머리글

본 책자는 싱가포르에 진출하려는 50인 미만 중심의 한국 기업의 이해를 돕기 위하여 현지에서 적용이 가능하도록 작성되었으며 싱가포르 인력부(Ministry of Manpower) 공무원의 도움을 받아 작성되었습니다. 본 책자에 첨부된 산업안전보건법과 관련 법규 및 규정 등의 영역본은 싱가포르 인력부(Ministry of Manpower)에서 공식적으로 발표한 자료이나 국문번역은 싱가포르 산업안전보건법 및 산업안전보건제도를 이해하기 쉽도록 한국어로 번역한 것으로 법적효력이 없음을 알려드립니다.

또한 한국산업안전보건공단은 법률해석에 따른 어떤 법적소송, 민사 또는 행정소송등에 대한 책임이 없음을 알려드립니다. 관련법에 대한 정확한 해석 및 해설은 영어로 명시된 법률이 가장 유효하며 싱가포르 소재의 관련당국에 문의하시기 바랍니다.

아울러, 본 책자는 안전보건공단 홈페이지(www.kosha.or.kr) 국외안전보건 정보로 들어오시면 전자파일로 받아보실 수 있습니다.

2012년 11월

한국산업안전보건공단

국제협력팀

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■ 부 록

해외 진출기업을 위한

산업안전보건제도

<싱가포르 편>

Ⅰ. 개 요

Ⅱ. 산업재해 발생현황

Ⅲ. 산업안전보건 체제

Ⅳ. 산업안전보건관련 기관현황

Ⅴ. 산업안전보건제도

Ⅵ. 주요 벌칙사항

Ⅶ. 유용한 연락처

Ⅷ. 산업안전보건 주요용어 해설

Ⅸ. 일반현황

Ⅰ 개 요

싱가포르에서는 근로자에 대한 획기적으로 산업안전보건환경 개선 및 2004년 근로자 10만명 4.9명의 사망자를 2015년에는 2.5명으로 줄이기 위하여 2005년 대대적으로 산업안전보건체계에 대한 개정에 착수하였으며 2007년에 목표달성 후 2018년까지 1.8달성을 위하여 WSH2018전략을 수립함.

새로운 산업안전보건체계의 주요사항은 아래와 같습니다.

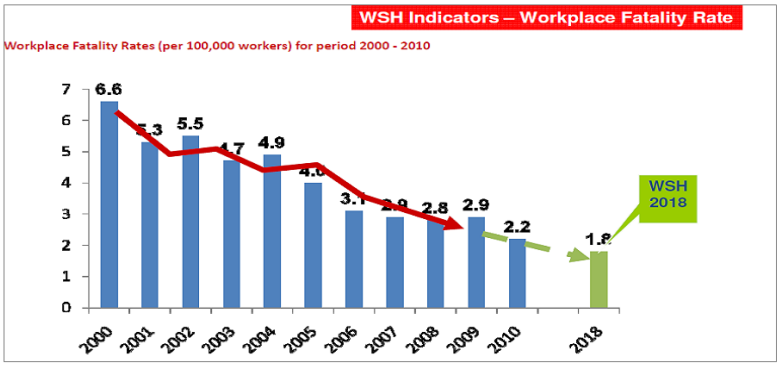
- 모든 관련당사가 참여하여 작업장에서 발생될 수 있는 모든 위험을 제거하거나 최소화하여야 함.
- 모든 산업은 안전에 대하여 더 큰 성과를 가져야 함.
- 열악한 안전경영에 대하여 높은 벌금을 부과함으로써 산업재해 예방 추진

Ⅱ 산업재해 발생 현황

2011년으로 싱가포르에서 발생한 산재발생 현황은 다음과 같으며

- 근로자 10만명당 사망률 2.3명(61명 사망)
- 보고된 산업재해자 수 10,060명
  - 이중에서 121명이 영구 불능 이멈 9,939명은 임시 불능

직업병으로 확인된 근로자수는 839명으로 근로자 10만명당 발생율은 32.1명임



※ 사망십만인율 : 근로자 10만명 당 사망률(Fatality rate)

산업별 사망자 분포율 및 10만인율은 다음과 같습니다.

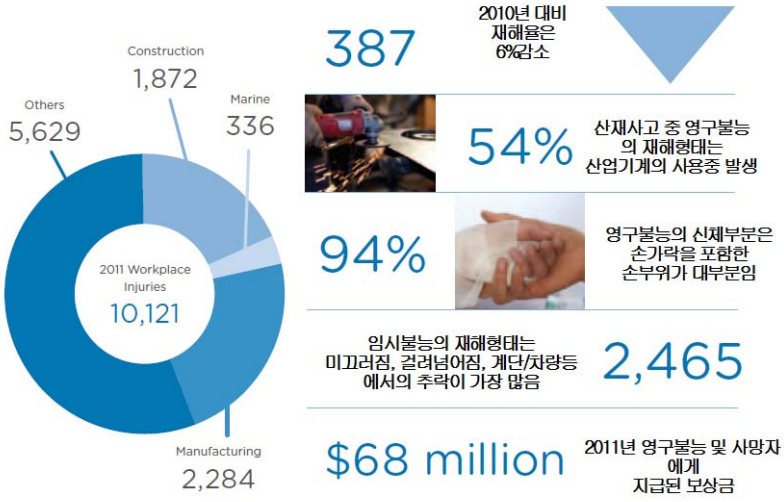
산업분야	2011		2010	
	사망자수	10만인율	사망자수	10만인율
전 분야	**61**	**2.3**	**55**	**2.2**
건설	**22**	**5.3**	**32**	**8.1**
해양	**10**	**9.0**	**6**	**5.6**
제조	**13**	**3.0**	**7**	**1.6**
석유화학제품 제조	4	8.5	3	6.0
금속 작업	4	3.1	3	2.5
비금속 광물제품 제조	2	41.7	0	0.0
목제품 제조	1	28.6	0	0.0
가구 제조	1	8.6	0	0.0
기타	1	9.1	0	0.0
유틸리티	**1**	**7.3**	**1**	**7.6**
상수공급 및 폐수처리 운영	1	8.9	1	9.3
도소매 무역	**0**	**0.0**	**1**	**0.3**
이송 및 저장	**10**	**4.9**	**4**	**2.0**
물류 및 이송	6	6.7	0	4.7
상품이송을 위한 서비스	1	13.7	0	0.0
호텔 및 레스토랑	**0**	**0.0**	**0**	**0.0**
정보 및 통신	**1**	**1.0**	**1**	**0.0**
부동산, 임대 및 리스 활동	**1**	**1.2**	**0**	**1.3**
과학 및 기술 활동	**1**	**0.5**	**0**	**0.0**
농업 및 공업활동	1	1.9	0	0.01
수의 활동	0	0.0	1	0.0
행정 및 지원서비스 활동	**0**	**0.0**	**0**	**0.5**
의료 및 보수 서비스 활동	0	0.0	0	0.0
사회 및 개인 서비스	**2**	**0.3**	**2**	**0.3**
보건활동	0	0.0	0	0.0
차량 보수 및 수리	**2**	**N/A**	**1**	**N/A**

※ source : Work Safety and Health Report 2011(MOM & WSHC)

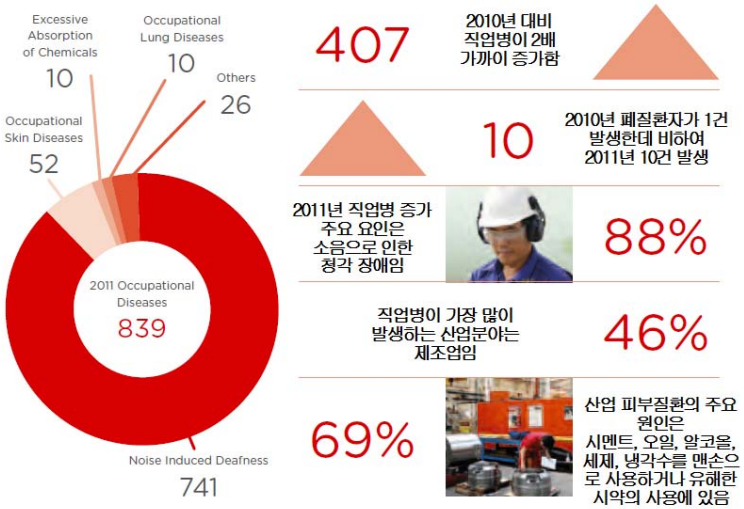
재해형태별 사망요인을 살펴보면 추락 및 구조물/장비의 붕괴사고가 가장 높음.

재해형태	2011	2010
합 계	**61**	**55**
추락	**26**	**22**
– 고소작업시 추락(FFH) Falls from Height	**17**	**17**
– 미끄러짐, 걸려넘어짐 및 추락(계단, 차량 등)	9	5
구조물/장비의 붕괴	**8**	**6**
크레인 관련	**6**	**2**
– 크레인 붕괴	2	1
차량에 의한 충돌	**6**	**9**
(지게차, 트럭, 탱크로리, 버스등)	3	7
중량물에 끼임	**5**	**4**
낙하물에 의한 충격	**3**	**6**
화재 및 폭발	**2**	**2**
감 전	**1**	**1**
밀폐장소의 산소결핍	**1**	**1**
이외(익사, 갱폼등의 붕괴)	**3**	**2**

※ source : Work Safety and Health Report 2011(MOM & WSHC)



[2011년 발생된 산업재해를 분석한 결과]



[2011년 직업병에 따른 재해현황 분석 결과]

Ⅲ 산업안전보건 체계

싱가포르에서 산업안전보건과 관련된 법령은 다음과 같습니다.

1. 산업안전보건법(Workplace Safety and Health Act, WSHA)

싱가포르에서 산업안전보건과 관련된 주요 법률은 산업 안전보건법에 명시되어 있으며 동법은 공장법(Factory Act, FA)를 대체하여 2006년 3월 1일부터 효력이 발생되었습니다. 산업 안전보건법의 주요 법적체계는 작업장과 관련된 모든 당사자의 안전에 관한 습관 및 관습을 유지하는데 있으며 작업장에서 수행하는 데 필요한 근로자뿐만아니라 타인에 대해서도 보호하도록 규정하고 있습니다. 첫 번째 단계에서는 건설현장, 선박건조 및 일반공장과 같은 위험성이 높은 작업장에 대하여 적용되면 약 70만명의 근로자가 해당될 것으로 보입니다. 두 번째 단계에는 모든 작업장에 동 법을 적용할 예정입니다. 동 법은 성능기반체계를 강조하고 있으며 근로자의 안전 및 보건을 위한 합리적인 이행조치를 위하여 관련 당사자에게 작업장의 안전 및 보건운영에 대한 중요성을 강조하고 있습니다. 관련 당사자란 사업주, 사장, 근로자, 제조업체 및 기계,장비등을 유지하고 설치하는 사람들 뿐만아니라 원재료 공급자등 작업을 수행하는데 필요한 모든 사람을 포함하고 있습니다.

동 법을 위반하는 자는 최대 50만불의 벌금형에 처해 질 수 있으며 개인의 경우 최대 20만불의 벌금형 또는 2년이하의 징역 또는 20만불의 벌금 및 2년이하의 징역에 동시 처해 질 수 있습니다. 자세한 내용은 부록 【붙임 1】를 참조하시기 바랍니다.

《산업안전보건법의 적용범위 확대계획》

1. Phase 1-법시행 원년도 적용대상(2006년 3월 1일)
 - 공장, 건설업, 조선업, 항만, 공항, 실험실 등
2. Phase 2-1차 확대적용 대상(2008년 3월 1일)
 - 건강관리업, 수의업, 호텔 및 식당, 상수도·하수도 및 폐기물관리업, 조경 및 유지보수업, 상품운송 관련업
3. Phase 3-2차 확대적용 대상(2011년 9월까지, 전업종 포괄)
 - 교육, 공공관리, 도소매무역, 재정&보험, 친목회와 공동체, 정보&대화, 예술·엔터테인먼트&레크레이션, 부동산·대여와 임대, 다른 서비스 활동, 농업&어업

☞ **Phase3까지 확대적용으로 인해 160만명의 근로자, 100,000개의 기관, 14개 산업 분야가 WSH Act의 적용을 받게 되며, Phase1,2의 근로자 90만명을 합산하면 최종 250만 전체 근로자가 법의 테두리에 들어오게 됨**

2. 산업 안전보건법 보조 규정(Workplace Safety and Health Subsidiary Legislation)

산업 안전보건법은 보조 규정이 있으며 그 목록은 다음과 같습니다.
보조 규정중 주요규정은 위험성평가(Risk Assessment)규정이 있으며 이는 근로자가 노출되는 위험을 감소시키거나 제거하기위하여 각 작업 단계별 위험성평가를 사업주가 실시하도록 요구하는 것입니다.

	규정명	요약 설명
1	Workplace Safety and Health(Composition of Offences) Regulations 산업 안전보건(법률 위반) 규정	사업주/근로자 법률위반사항에 대한 공무원의 고소범위
2	Workplace Safety and Health(Exemption) Order 산업 안전보건(면제)에 관한 고시	동법 규정에 따른 군면제사항
3	Workplace Safety and Health(First-Aid) Regulations 산업 안전보건(응급조치) 규정	산업에서 법적으로 설치하여야 할 응급조치 설비
4	Workplace Safety and Health(General Provisons) Regulations 산업 안전보건(일반조건) 규정	공장에 대한 기본적인 안전 및 보건 조건 규정

	규정명	요약 설명
5	Workplace Safety and Health(Incident Reporting) Regulations 산업 안전보건(산재보고) 규정	사업주가 인력부에 사고발생시 보고해야할 법규정
6	Workplace Safety and Health(Registration of factories) Regulations 산업 안전보건(공장등록) 규정	공장, 건설현장 및 선박야적장에 대하여 인력부에 등록하기 위한 요구조건
7	Workplace Safety and Health(Risk Management) Regulations 산업 안전보건(위험관리) 규정	위험을 경감시키기 위하여 사업주가 수행하여야 할 각 단계별 위험성 평가 규정
8	Factories(Abrasive Blasting) Regulations 공장(연마제를 이용한 블라스팅) 규정	연마제를 이용한 블라스팅 사용시 안전 및 보건에 관한 규정
9	Factories(Asbestos) Regulations 공장(석면) 규정	석면노출과 관련된 안전보건 규정
10	Factories(Building Operations And Works of Engineering Concstruction) Regulations 공장(건물운영 및 설계,건설 작업) 규정	건설현장에서의 안전보건규정
11	Factories(Certificate of competency-Examinations) Regulations 공장(법적인증-시험) 규정	압력장치 운전 및 운전요원의 관리를 위한 규정
12	Factories(Persons-in-Charge) Regulations 공장(개인책임) 규정	
13	Factories(Explosive Powered Tools) Regulations 공장(방폭 전기 기구) 규정	방폭전기기구에 관한 안전보건 규정
14	Factories(Industrial Safety Helmets and Footwear) Notification 공장(산업안전모 및 안전화) 고시	안전모 및 안전화의 질에 대한 규정
15	Factories(Medical Examinations) Notification 공장(건강검진) 고시	건강검진에 대한 규정
16	Factories(Noise) Regulations 1996 공장(소음) 규정 1996	과도한 소음노출에 관한 안전 및 보건 규정
17	Factories(Operation of Cranes) Regulations 공장(크레인 운전) 규정	이동크레인, 타워크레인 사용을 위한 안전규정 및 자격을 받은자의 운전, 보조-신호수 및 승강감독자의 필요성
18	Factories(Qualification And Training of safety Officers) Regulations 공장(자격증 및 안전관리자 훈련) 규정	법으로 임명해야 하는 안전관리자 및 의무, 등록, 훈련 및 자격을 규정
19	Factories(Registration and Duties of Safety Officers) Regulations 공장(안전관리자의 의무 및 등록) 규정	
20	Factories(Safety Officers) Order 공장(안전관리자) 고시	

	규정명	요약 설명
21	Factories(Safety Training Course) Order 공장(안전 훈련과정)	특수요원이 법적으로 받아야할 안전보건 교육과정
22	Factories(Scaffolds) Regulations 2004 공장(작업발판) 규정 2004	작업발판사용과 관련 안전보건규정
23	Factories(Ship building and ship repairing) Regulations 공장(선박건조 및 수리) 규정	선박내에서 작업에 대한 안전보건 규정
24	Factories(Safety Committees) Regulations 공장(안전위원회) 규정	사업주가 안전보건위원회를 구성해야할 필요성 및 법적의무
25	Factories(Singapore Standards and Codes of Practice) Order 공장(싱가포르 표준서 및 이행코드) 고시	싱가포르 표준서 및 이행코드에 따르는 규정

※ 동 규정은 MOM 웹사이트 www.mom.gov.sg에서 찾아보실 수 있으며 중요규정은 【붙임 2】를 참조

3. 근로자 보상법(Workman's Compensation Act)

근로자 보상법은 근로자가 고용기간 동안 재해, 사망 또는 질병에 걸리는 경우에 보상을 받을 수 있도록 근로자의 권리를 규정하고 있는 법으로 동 법에 따라 사업주는 그들의 근로자에 대하여 보험에 가입하여야 합니다.
사업주가 동법에 의거하여 근로자에 대한 보상보험에 가입하지 않는 경우 1만불의 벌금형에 처하거나 12개월 미만의 징역 또는 동시에 처해 질 수 있습니다.

4. 기타 규정

근로자의 산업안전보건에 영향을 미치는 기타 법령으로는 환경오염관리법, 방사선보호법, 화재 안전법 및 보조 규정이 있습니다.

5. 이행 코드 및 지침서

상기 관련법 및 규정이외에 이행코드 및 지침서는 사업장에서 사업주가 근로자의 안전보건을 위하여 실질적으로 이행할 수 있도록 도와주는 표준서를 말합니다. 이 이행코드(Codes of Practice)는 산업계 및 유관기관이 생산성 혁신위원회(SPRING Singapore)와 공동으로 제작되었습니다. 석면제거와 같은 특별규정 또는 문제에 대한 표준서는 인력부(The Ministry of Manpower)에서 직접 작성합니다. 산업 안전보건 자문위원회(WSHAC, Workplace Safety and Health Advisory Committe)에서 COP를 승인하며 승인된 COP를 ACOP(Approved code of practice)라고 합니다. 25개의 ACOP가 있고 2007년 5월 1일부터 발효가 되었습니다. ACOP에 대한 목록은 부록 【붙임 4】를 참조하시기 바랍니다.

Ⅳ 산업안전보건관련 기관현황

1. MOM OSHD
(Ministry of Manpower, Occupational Safety and Health Division)

OSHD의 조직은 원래 6개 부서로 구성되어 있었으나 현재는 4개 부서와 WSHC 사무국(Workplace Safety and Health Council Office)로 구성되어 있으며 270여명의 산업안전보건감독관 및 150여명의 검사관이 있습니다.

■ **부서별 주요업무**

① 정책정보서비스부

- 조직의 역량강화를 위한 정책과 전략 수립
- 효과적인 정보시스템, 자원, 비즈니스 정보를 활용 안전보건 경향과 위험 분석
- 고객 모니터링을 통해 고객응대 서비스의 지속적인 향상

② 안전보건전문가부

- 다양한 재해와 직업병 조사, WSH 표준 개발
- 구체적인 WSH 위험요인과 산업을 위한 운영 연구 및 개발
- 프로젝트, 정보교환, 방문 및 교육을 위해 국제단체 및 국가 기관과 협력

③ 감독부

- 사업장이 수용할 수 있는 안전 및 보건 표준을 유지하도록 WHS 법률의 집행
- 다양한 관할 기관과 담당자를 위한 라이센스의 발급
- 전략적인 감독의 시행과 사업장 감시

④ 산재보상부

- 재해자와 사망한 직원의 가족을 돕기 위해 직장상해보상법(WICA)을 담당
- 사업장 재해, 위험 발생 및 직업병 보고를 위한 사고 보고 시스템 관리

2. WSHC 사무국(Workplace Safety and Health Council Office)

WSHC 사무국은 4개 부서로 구성되어 있으며, MOM, 기타 정부 기관, 산업체, 조합, 전문가 협회들과 긴밀하게 협력, 싱가포르 WSH 표준 향상과 WSH 2018의 실현방법 개발

■ **부서별 주요업무**

① 산업 감지 및 참여(IS&E) 부서

- 사업장 안전 보건의 지속 가능한 향상을 위해 부문별 노력을 이끌고 솔루션 제안
- 사업장 안전 보건을 증진 및 이에 대한 업계의 주도적인 노력을 증대를 위한 산업계 주주들과 협력

② 산업 능력 강화(ICB) 부서

- 조직, 개인, 구현 자원의 차원에서 사업장 안전 보건 향상을 위한 노력을 주도
- bizSAFE(사업 안전), 위험 관리 보조 기금(RMAF), 문화 구현 프로그램 등의 안전보건 증진 프로그램운영을 통해 조직의 WSH 표준을 향상
- 교육과정의 개발과 인증 요구사항 뿐만 아니라 WSH 전문가와 인력을 위한 종합적인 능력 계발 골자의 적용을 감독

③ WSH 실천 방안 및 연구(P&R) 부서

- 양질의 WSH 실천 방안 개발과 채택을 주도
- 싱가포르 국내의 WSH 실적 향상을 위한 새로운 방안을 개발하기 위해 연구와 환경조사의 실행
- 전문적이고 맞춤화된 WSH 솔루션 제공을 통해 사업장 안전 보건 위원회를 'WSH 정보 및 자문 서비스'를 위한 국제적 센터로 발전시키기 위한 노력전개

④ 전략 및 관리(S&M) 부서

- 정책 지침 제시
- 사업장 안전 보건 위원회 사무국의 운영 계획, 예산 할당, 사업 실행 감시 기능을 감독
- MOM과 협력, WSH 2018 전략목표의 실행과 달성을 모니터링

3. 자문 보조위원회(Advisory Sub-Committees)

자문 보조 위원회는 2개의 보조 위원회가 있으며 EPSC(Engagement and Publicity Sub-Committee) 및 CETSC(Competency, Education & Training Sub-Committee)가 있습니다.

CETSC의 주요역할은 산업안전보건과 관련된 교육과정을 개발하고 다른 전문 교육 및 훈련과정을 산업안전보건에 접목하는 역할을 수행하고 있습니다.
이외에 인력부에서는 싱가포르 국립 경영자 총연맹(SNEF, Singapore National Employer Federation) 및 국립노동조합연맹(NTUC, National Trade Union Congress) 협력하여 작업장의 산업안전보건 향상 및 안전문화 형성에 대한 전략을 개발하고 갱신하기 위하여 노력하고 있다고 합니다.

V 산업안전보건제도

싱가포르에서는 2005년 산업안전보건법을 개정하면서 사업장 규모에 관계없이 모든 공장에 대하여 사업주가 의무적으로 위험성평가(Risk Assessment)를 작성하여 WSHC에 보고하도록 하고 있습니다. 50인 미만 사업장의 경우 싱가포르에서 규정하고 있는 GroupA 및 GroupB에는 해당되지 않는 것으로 고려되며 상기 그룹A, B에 해당되지 않는 공장에 대해서는 위험성평가 자율선언을 온라인 등으로 제출하도록 되어 있습니다.

※ Group A 및 Group B는 위험성이 높은 사업장으로 사업분야 별 및 근로자 수에 따라 다음 사항을 이행하도록 규정하고 있음
- 근로자 100인 이상 사업장 : 안전보건경영시스템(OSHAS 18001)운영
- 근로자 50인 이상 사업장 : 안전보건위원회 설치 및 운영

온라인 등록과정은 아래 웹사이트를 참조하시기 바랍니다.
http://www.mom.gov.sg/workplace-safety-health/applications-registrations/factories/Pages/BeforeYouApplyRegistrationorNotification.aspx#FN

1 안전보건관리 체계

싱가포르에서는 산업안전보건법을 준수해야 할 의무가 있는 대상자를 아래와 같이 구분하여 정의를 하였으며 구분된 대상자가 준수하여야 할 의무사항에 대한 지침서(Guide to the Workplace Safety and Health Act)를 발행하였습니다.

■ **사업주 :** 서비스 계약하에 일을 수행하기 위하여 어떤 사람을 고용한 자
- 의무
  - 작업장에서 근로자에 대한 위험을 관리하거나 제거하기 위하여 위험성평가를 수행
  - 작업장에서 근로자에 대한 업무조정 및 작업설비를 안전하게 유지
  - 작업장의 작업공정에서 기계, 장치, 공장, 제품, 물질에 대한 안전성 보증
  - 비상사태시 대응하기 위한 조치 마련 및 개발
  - 적절한 작업지시서, 정보, 훈련 및 감독을 근로자에게 제공

■ **사장 :** 서비스 계약이외에 기타 계약하에 일을 수행하거나 노동력을 조직에 공급하기위하여 종사하는 자
- 의무 : 사업주와 동일함

■ **소유자(Occupier) :** 공장으로 등록된 작업장에서 소유자란 공장허가증 또는 등기증명서에 기재된 자를 말함, 모든 작업장에서 소유자는 그 자신의 재산과 관계없이 그 자신이 등재된 건물/시설물을 관리하여야 함
- 의무
  - 고용인이 아닐지라도 다음 지역에서 근무하는 자의 건강 또는 안전에 대하여 보증하여야 함 ; 작업장내, 작업장의 모든 입구 및 출구, 작업장에서 유지되어야하는 제품, 물질, 장치 또는 기계류
  - 소유자는 작업장 근로자는 말할 것도 없고 고용인과 계약자가 공통으로 사용하는 지역에 대해서도 책임을 진다.
    ① 전기 발생기 및 모터가 설치된 공통 지역
    ② 호이스트, 승강기, 승강기어, 승강부속품 및 승강장치가 설치된 공통지역
    ③ 공통지역으로 부터의 입구 및 출구
    ④ 공통지역에 설치된 기계 또는 공장

■ **계약자(Contractor) :** 작업장에서 작업을 수행하거나 노동력을 공급하는 서비스 계약하에 있는 법인 또는 개인

■ **제조자 또는 공급자(Manufacturer or Supplier) :** 작업장에서 사용하는 기계, 장치 또는 위험물질을 공급하거나 제조하는 자
- 의무 : 기본적으로 장치, 기계 제조자 또는 물질 공급자는 사용에 관한 안전사항을 제공하여야 한다.

- 기계, 장치 및 위험물질 사용안전에 대한 적절한 정보 제공
- 기계, 장치 및 위험물질 사용에 있어서의 안전 보증
- 기계, 장치 및 위험물질 시험 및 검사를 받아 사용에 안전하다는 것을 보증

※ 안전을 위하여 제조자 또는 공급자가 보증해야 할 기계/장치 목록은 4항 안전인증 및 검사 및 6항 직업병 및 MSDS 참조

■ **설치자(Erector or Installer) :** 작업장의 사용을 위하여 건물 자체 또는 기계, 장치를 설치하는 자

– 의무 : 기계류 또는 장치를 설치 또는 변경하는 경우 근로자의 안전 및 건강을 보증하여 함

■ **근로자 :** 고용인을 포함하여 서비스계약하에 고용된 자 또는 산업근로학생과 같이 사업주아래서 훈련을 받거나 일하는 자, 자원봉사자

– 의무

- 작업장에 적용되는 규칙 및 안전작업절차서를 준수해야 함.
- 불안전한 행동으로 자신뿐만아니라 다른 근로자를 위험에 빠트리지 말아야 함
- 부주의한 행동 또는 경솔한 행동으로 안전장치를 파손시키지 말아야 함
- 작업을 위해 제공된 개인보호구는 항상 올바르게 사용해야 함

■ **자영업자 :** 서비스 계약없이 근로를 수행하는 자

– 의무 : 자신의 안전 및 건강을 유지하기 위한 조치를 취해야 함

안전전문가(Safety Officer), 안전보건전문가(Safety and Health Officer), 안전감시자(Safety Auditors), 권한을 위임받은 보일러 검사원(authorized boiler inspectors), 공장의사(Designed Factory Doctors)등은 사업주 또는 소유주가 임명하여 인력부(Ministry of Manpower)에 서면으로 등록해야 하며 안전전문가 또는 안전보건전문가는 작업장 안전보건위원회으로부터 승인을 받아야 하며 그 임기는 2년임

근로자수 50인미만인 사업장에 대해서는 관련법령에 의해 안전전문가를 선임하도록 하는 규정은 없습니다만 근로자수에 관계없이 공장법에 의한 안전전문가 또는 산업안전보건법에 의한 안전보건전문가를 임명해야 하는 작업장은 다음과 같습니다.

- 배를 건조, 수리, 피팅, 파쇄, 재건조하는 Shipyard
- 석유공정 또는 석유제품을 제조하는 모든 공장

- 엔지니어링 건설계약금액이 1천만 달러가 넘는 작업 또는 건물을 운영하는 모든 공장
- 의류제조를 제외한 100인 이상의 모든 사업장

2 산업재해 발생신고 의무

■ **산업안전보건(사고의 보고)규정에 의하면 중대재해 및 위험상황 발생 시 보고 의무는 다음과 같습니다.**

사망사고 또는 위험상황 발생(관련규정 Part II참조) : 사고 발생 즉시 사업주가 작업장안전보건위원(Workplace Safety and Health Commissioner)에게 통지하고 사고 이후 10일이내에 보고서를 제출해야 함.

여기서 위험상황 발생이란

① 근로자가 사망할 위험이 발생할 우려가 있는 작업장의 사고

② 근로자가 아닌 고용인, 자영업자 또는 제3자가 작업장내에 있을 때 사망할 수 있을 위험이 발생할 우려가 있는 작업장의 사고를 의미하며 구체적으로 다음과 같습니다.

- 용기, 바퀴, 연마석 또는 기계적인 힘에 의해 작동되는 연마휠이 파쇄되거나 터질 위험이 있는 경우
- 승강장치의 작동 불능 또는 붕괴
  - 여기서 승강장치란 크레인, 데릭, 윈치, 호이스트, 지지부 또는 사람이나 물건을 더 낮은 곳 또는 높은 곳을 올리기 위하여 사용하는 장치
  - 승강장치의 작동불능 또는 붕괴란 체인 또는 로프 슬링의 파손뿐만 아니라 하중을 받는 베어링부분의 파손으로 위험상황을 초래할 우려가 있는 것
  - 상기와 더불어서 크레인을 overturning할때에도 위험상황으로 간주함
- 실내를 포함한 작업장소에서 화재 또는 폭발이 발생한 경우로 실내/작업장소의 구조에 손상결과를 가져오거나 기계, 공장에 손상을 가져온 경우 일반적인 작업은 완전히 중지해야 하며 기계 및 공장가동은 적어도 5시간이상 중지하여야 함. 폭발 또는 화재는 먼지, 가스, 증기 및 어떤 외부물질(셀룰로이드 포함)에 의하여 발생할 수 있음

- 전기적인 단락, 전기 기계, 공장 또는 장치의 작동불능 또는 폭발, 화재로 구조적인 손상을 입은 경우 적어도 5시간 해당되는 기계, 공장 또는 장치의 가동을 멈추어야 함.
- 사람이 작업하는 장소(실내)에서 화재 또는 폭발이 일어난 경우 적어도 24시간 동안 일반작업을 완전히 중지해야 함.
- 스팀 보일러, 대기압보다 높은 압력으로 저장하기 위한 회수기 또는 용기의 폭발 또는 파열이 있는 경우
  ※ 저장 유체는 공기를 포함한 가스 및 압축가스로부터 유도된 액체/고체를 의미
- 지지대, 거푸집의 붕괴
- 높이가 15미터를 초과하는 작업발판의 부분파손 또는 전체파손 높이가 2미터 이상으로 사람이 추락할 우려가 있는 장소에서의 달걸이 또는 줄걸이용 작업발판의 부분파손 또는 전체파손
- 홍수가 일어날 수 있는 건조/부유 부두속으로 바닷물의 침수 또는 침출

■ 산재사고 보고의무

재해로 인하여 3일연속 병가를 신청하거나 진단 또는 치료를 위하여 24시간 병원에 있는 경우 사업주는 그 사고이후 10일이내 작업장안전보건위원(Workplace Safety and Health Commissioner)에게 보고서 제출

■ 산업질병 보고의무

사업주는 근로자로부터 등록된 의료 전문가에 의해 작성된 진단서를 서면으로 접수받은 경우 진단서 접수일로부터 10일이내에 작업장안전보건위원(Workplace Safety and Health Commissioner)에게 보고서 제출

재해보상법 및 산업안전보건법에 의거하여 인력부(MOM)에 보고되어야 하는 직업병은 40가지로 다음과 같습니다.

1) Aniline poisoning 아닐린 중독
2) Anthrax 탄저병
3) Asenical poisoning 비소 중독
4) Asbestosis 석면폐
5) Barotrauma 진동장애
6) Beryllium poisoning 베릴륨 중독
7) Byssinosis 면폐증
8) Cadmium poisoning 카드뮴 중독
9) Carbarmate poisoning 카바메이트계 농약 중독
10) Cataracts due to infra-red, ultraviolet or X-ray radiation 적외선, 자외선, 엑스선에 의한 백내장

11) Compressed air illness or its sequelae, including dysbaric osteonecrosis 감압병 또는 그 후유증(골괴사 포함)
12) Cyanide poisoning 시안중독
13) Disease caused by excessive heat 고열에 의한 질병
14) Disease caused by ionizing radiation 전리방사선에 의한 질병
15) Glanders 마비저
16) Hydrogen sulphide poisoning 황화수소물 중독
17) Lead poisoning 연중독
18) Leptospirosis or its sequelae 렙토스피라증(감염)
19) Liver angiosarcoma 간혈관육종 20) Manganese poisoning 망간중독
21) Mercurial poisoning 수은중독 22) Mesothelioma 중피종
23) Musculoskeletal disorders of the upper limb 상지의 근골계 질환
24) Noise-induced deafness소음성 난청
25) Occupational asthma 직업성 천식
26) Occupational skin cancers 직업성 피부암
27) Occupational skin diseases 직업성 피부질환
28) Organophosphate poisoning 유기 인중독
29) Phosphorous poisoning 인 중독
30) Poisoning by benzene or ahomologue of benzene 벤젠 또는 동족체 중독
31) Poisoning by carbon dioxide gas 이산화탄소 중독
32) Poisoning by carbon disulphide 이황화탄소 중독
33) Poisoning by carbon monoxide gas 일산화탄소 중독
34) Poisoning by oxides of nitrogen 질소산화물 중독
35) Poisoning from halogen derivatives of hydrocarbon compounds 탄화수소화합물의 할로겐 유도체로부터의 중독
36) Silicosis 규폐증(유리규산에 의한 진폐)
37) Toxic anaemia 독성물질에 의한 빈혈
38) Toxic hepatitis 독성간염
39) Tuberculosis 결핵
40) Ulceration of the corneal surface of the eye from exposure to tar, pitch, bitumen, mineral oil(including paraffin), soot 타르, 피치, 역청, 광물성오일(파라핀 포함), 검댕등에 노출되어 각만표면에 생긴 궤양

※ 사업주는 사고통지서 및 보고서에 대한 기록을 3년 동안 유지하여야 하며 작업장안전보건위원(Workplace Safety and Health Commissioner)의 요구 시 이에 대한 내용을 즉각 제시해야 함.

아래 웹사이트를 방문하시면 중대재해 등 사고 발생 시 전자파일 서비스로 제출하는 절차가 자세히 나와 있습니다.

http://www.mom.gov.sg/workplace-safety-health/incident-reporting/Pages/How-to-report.aspx#commissioner

3 법적 안전보건 교육 제도

싱가포르 MOM에서는 노동력의 기술자격시스템을 개발하기 위하여 WSHC와 WDA(Workforce Development Agency) 공동으로 협력하여 Workforce Skills Qualification(WSQ) System의 하나인 고용능력기술 시스템(ESS, Employability Skills System)을 개발하고 있으며 책임수준에 따라 필요한 역할을 다음과 같이 정의하고 있습니다.

운영자(Operations)	감독자(Supervisory)	관리자(Management)
– 산업안전보건법 준수	– 산업안전보건법 준수	– 산업안전보건법 준수
– 위험평가 및 위험관리	– 산업안전보건 정책, 절차 및 프로그램 해석	– 산업안전보건 관리체계수립 및 유지
– 산업안전보건의 참여 및 상담을 통한 공헌	– 산업안전보건 정책, 절차 및 프로그램 근로자 교육	– 산업안전보건 관리를 위한 상담체계 수립 및 참여유지
	– 산업안전보건 관리를 위한 상담및참여에 대한 모니터링 및 이해	– 위험관리 절차 수립 및 유지
	– 위험관리 절차에 대한 이행 및 모니터링	– 조직의 산업안전보건시스템, 정책, 절차 및 프로그램의 평가

이러한 역할을 수행하기 위하여 법적으로 모든 작업장산업안전보건요원, 매니저, 감독자, 근로자는 싱가포르 인력부(The Ministry of Manpower)로부터 인증 받은 교육과정을 인증받은 교육기관으로부터 받도록 규정하고 있습니다.

LIST OF MOM ACCREDITED COURSES

S/N	MOM Accredited Courses	Relevancy	Reference
1.	Safety orientation Course (Tunneling) for Workers	**Tunneling Workers:** Any worker who is carrying out work in a tunnel in building and engineering construction worksites	WSH (Construction) Regulations, R88
2.	Compressed Air Works Course (Man Lock Attendant)	**Man Lock Attendant:** Any worker performing the role of a Man Lock Attendant	WSH (Construction) Regulations, R108(3)
3.	Compressed Air Works Course (Medical Lock Attendant)	**Medical Lock Attendant:** Any worker performing the role of a Medical Lock Attendant	WSH (Construction) Regulations, R108(3)
4.	Building Construction Supervisors Safety Course	**Construction Supervisors:** Any person who supervises or oversees work carried out in a building and engineering construction worksite	WSH (Construction) Regulations, R9(2)
5.	Building Construction Supervisors Safety Course (Tunneling)	**Construction Supervisors (Tunneling):** Any person who supervises any process or work in a tunnel carried out in a building and engineering construction worksite	WSH (Construction) Regulations, R9(2)
6.	Shipyard Safety Instruction Course for Workers (General Trade)	**Shipyard Workers (General):** Any person carrying out hazardous work in a shipyard or on board a ship in the harbour.	WSH (Shipbuilding and Ship-Repairing) Regulations, R6(1), R6(2)

S/N	MOM Accredited Courses	Relevancy	Reference
7.	Shipyard Safety Instruction Course for Workers (Hot-work Trade)	**Shipyard Workers (Hot-work):** Any person carrying out hot work in a shipyard or on board a ship in the harbor.	WSH (Shipbuilding and Ship-Repairing) Regulations, R6(3), R6(4)
8.	Shipyard Safety Instruction Course for Workers (Painter Trade)	**Shipyard Workers (Painter):** Any person carrying out spraying painting or painting in a confined space, in a shipyard or on board a ship in the harbor.	WSH (Shipbuilding and Ship-Repairing) Regulations, R6(5), R6(6)
9.	Shipyard Supervisors Safety Course	**Shipyard Supervisors:** Any person who supervises or oversees any process or work in a shipyard or on board a ship in the harbor.	WSH (Shipbuilding and Ship-Repairing) Regulations, R6(7), R6(8)
10.	Shipyard Safety Assessor (Hot-work certification) Course	**Shipyard Hot work Safety Assessors:** Any person who is appointed as a hot work safety assessor in a shipyard or on board a ship in the harbor.	WSH (Shipbuilding and Ship-Repairing) Regulations, R27(3)
11.	Safety Instruction Course for Ship-repair Managers	**Ship Repair Managers:** Any person who is appointed as a ship repair manager in a shipyard or on board a ship in the harbor.	WSH (Shipbuilding and Ship-Repairing) Regulations, R7(2)
12.	Rigger Course	**Riggers:** Any person who is appointed as a rigger for any lifting operation by a mobile or tower crane	Factories (Operation of Cranes) Regulations, R18(3)
13.	Signalmen Course	**Signalman:** Any person who is appointed as a signalman for any lifting operation by a mobile or tower crane	Factories (Operation of Cranes) Regulations, R19(2)

S/N	MOM Accredited Courses	Relevancy	Reference
14.	Lifting Safety Course for Supervisors	**Lifting Supervisors:** Any person who is appointed as a lifting supervisor for any lifting operation by a mobile or tower crane	Factories (Operation of Cranes) Regulations, R20(2)
15.	(i) Crawler Crane Operation (ii) Mobile Crane (Truck Mounted) Operation (iii) Tower Crane (Saddle Jib) Operation (iv) Luffing Jib Tower Crane Operation	**Crane Operators:** Any person who is appointed as a mobile or tower crane operator	Factories (Operation of Cranes) Regulations, R6(1)
16.	(i) Marine Metal Scaffolding Course for Scaffolders (ii) Metal Scaffold Erection Course	**Scaffold Erectors:** Any person who is appointed as a scaffold erector to erect, install, re-position, alter or dismantle a scaffold	Factories (Scaffolds) Regulations, R8(4)
17.	Suspended Scaffold Riggers' Course	**Suspended Scaffold Erectors:** Any person who is appointed as a suspended scaffold erector to erect, install, re-position, alter or dismantle a suspended scaffold	Factories (Scaffolds) Regulations, R7(1)

S/N	MOM Accredited Courses	Relevancy	Reference
18.	(i) Marine Metal Scaffolding Course for Supervisors (ii) Metal Scaffold Erection Supervisors Course	**Scaffold Supervisors:** Any person who is appointed as a scaffold supervisor to supervise the erection, installation, re-positioning, alteration or dismantling of a scaffold	Factories (Scaffolds) Regulations, R6(1)
19.	Suspended Scaffold Supervisors' Course	**Suspended Scaffold Supervisors:** Any person who is appointed as a suspended scaffold supervisor to supervise the erection, installation, re-positioning, alteration or dismantling of a suspended scaffold	Factories (Scaffolds) Regulations, R6(1)
20.	Explosive Powered Tools Operators' Course	**Explosive Powered Tools Operators:** Any persons who operates an explosive power tool	WSH (Explosive Powered Tools) Regulations, R13, R2
21.	Industrial Audiometry Course	**Audiometric examiner:** Any person who carries out audiometric examination of others	Factories (Medical Examination) Regulations, R6(2)
22.	Noise Monitoring Course	**Noise Monitoring Officer:** Any person who is appointed to conduct noise monitoring at a workplace	Factories (Noise) Regulations, R6(2), R8(4)
23.	Industrial Noise Control Course	**Noise Control Officer:** Any person who is appointed to advise the occupier of a workplace on noise control measures	Factories (Noise) Regulations, R4(5), R8(4)
24.	Occupational First Aid Course	**First-Aider:** Any person who is appointed as a first-aider in a workplace	WSH (First-Aid) Regulations, R5(2)

S/N	MOM Accredited Courses	Relevancy	Reference
25.	Graduate Diploma in Occupational Medicine	**Designated Factory Doctors:** A registered medical practitioner who conducts periodic medical examinations for hazardous occupations	Factories (Medical Examination) Regulations, R13(1)
26.	Management of Hazardous Substances Course	**Competent Person for Management of Hazardous Substances:** Any person who control toxic or harmful substances	WSH (General Provisions) Regulations, R41(1), R2
27.	Sampling and Monitoring of Airborne Contaminants	**Competent Persons for Sampling and Monitoring Airborne of Contaminants:** Any person who monitor the atmosphere of any place of work in which toxic substances are manufactured, handled, used or given off and ensure that toxic dust, fumes, gases, fibres, mists or vapours are not present in quantities liable to injure the health of persons at work.	WSH (General Provisions) Regulations, R39(6), R2
28.	Confined Space Safety Assessor Course	**Competent Person as Confined Space Safety Assessor:** Any person who test the atmosphere of a confined space for the purpose of persons entering and working safely in the confined space	WSH (Confined Spaces) Regulations, R9(b)
29.	Graduate Certificate in Workplace Safety & Health	**WSH Auditors:** Any person who is approved by the Commissioner for Workplace Safety & Health to audit any risk assessment relating to the workplace, work process.	WSH (SHMS & Auditing) Regulations, R4(1)(a)

S/N	MOM Accredited Courses	Relevancy	Reference
30.	Specialist Diploma in Workplace Safety & Health	**WSH Officers:** Any person who is approved by the Commissioner for Workplace Safety & Health to assist the occupier of the workplace in identifying and assessing, recommending to eliminate any risk as well as implement measure or safe work procedure	WSH (WSHO) Regulations, R3(1)(a)
31.	Advanced Certificate in WSH	**WSH Coordinators:** Any person who assist the occupier to identify any unsafe condition in the workplace; recommend measures to remedy the unsafe conditions and implement measures.	WSH (Construction) Regulations, 2007 R6(1)
32.	WSQ Operate Forklift	**Forklift Operators:** Any person who drives or operates a forklift truck in a factory.	Factories (Safety Training Courses) Order, Para 2 WSHA S12(3)(e)
33.	Formwork Safety Course	**Formwork Supervisors:** Any person who is appointed as a formwork supervisor to supervise the construction, erection, alteration or dismantling of formwork structures in building and engineering construction worksites	Factories (Safety Training Courses) Order, Para 2 WSH (Construction) Regulations, R60(3)
34.	Construction Safety Orientation Course	**Construction Workers:** Any worker employed in manual labor to carry out construction work in building and engineering construction worksites	Factories (Safety Training Courses) Order, Para 2 WSH (Construction) Regulations, R9(1)

S/N	MOM Accredited Courses	Relevancy	Reference
39.	Oil and Petrochemical Industry Supervisors Safety Course	**Oil and Petrochemical Industry Supervisors:** Any person who supervises any process or work carried out in a factory of the oil and petrochemical industry	Factories (Safety Training Courses) Order, Para 2
40.	Safety Orientation Course for Workers (Metalworking)	**Metalworking Industry Workers:** Any worker employed in manual labour to carry out work in a factory engaged in the manufacture of basic metals, fabricated metal products, machinery or equipment and electrical machinery and apparatus.	Factories (Safety Training Courses) Order, Para 2
41.	Basic Industrial Safety and Health Course for Supervisors	**Metalworking Industry Supervisors:** Any person who supervises any process or work carried out in a factory engaged in the manufacture of basic metals, fabricated metal products, machinery or equipment and electrical machinery and apparatus.	Factories (Safety Training Courses) Order, Para 2
42.	Project Safety & Health Coordinator	Any person who facilitate the process to involve all construction project stakeholders to review the design & mitigate risks; maintain records of safety & health issues arising from the Design Review Process & actions taken; and ensure the relevant safety and health information is passed on to the contractor for his tendering & work process.	Guidelines on Design for Safety in Buildings and Structures
43.	Work-At-Height Course for Supervisors	Any person whose nature of work involves supervision of workers who needs to work at height.	WSHA S12(3)(e) WSH CP1: Working Safely at Height 2009

상기 교육과정과 관련하여 인증받은 교육기관 명은 【붙임 5】를 참조하시기 바라며 크레인(이동크레인(lorry loader제외) 및 타워크레인)은 MOM에 등록한 자만이 운전하도록 법으로 규정하고 있습니다.

4 검사 및 안전인증 제도

싱가포르 산업안전보건(일반 조건) 규정에 따르면 크레인 및 압력용기는 인력부에서 인증받은 기관으로부터 검사를 받지 않으면 사용할 수 없도록 규정하고 있습니다.

승강장치에 대한 인증검사기관 명단 및 압력용기에 대한 인증검사기관 명단은 【붙임 6】 및 【붙임 7】을 각각 참조하시기 바라며 현재까지 승인된 크레인 계약업체 명단은 【붙임 8】을 참조하시기 바랍니다.

제조업체 또는 물품공급업체가 사용에 대한 안전성을 보증해야 할 의무를 가진 기계류는 다음과 같습니다.

- Bar-benders 바 곡관기
- Equipment or piping intended for operation under pressure, including all statutory pressure vessels 모든 법적 압력용기를 포함하여 가압하에서 운전되는 장치 또는 배관류
- Equipment or piping intended to contain corrosive, toxic or flammable substances 부식성, 독성 또는 가연성물질을 포함하는 장치 또는 배관류
- Equipment used for abrasive blasting, including any accessory, apparatus or fitting necessary to enable its use and operation
  연마가공에 사용되는 장치, 그 장치의 사용 및 운전에 필요한 피팅류 또는 기구, 부속품 포함
- Explosive powered tools 방폭 전기 툴(도구)
- Forklifts 지게차
- Lifting equipment 승강장치
- Materials or components used for the construction of support structures 지지 구조물 건설을 위해 사용하는 재료 또는 구성물
- Power presses 파워 프레스
- Scaffolds and any materials or components used to erect them
  작업발판 및 작업발판을 설치하기 위해 사용되는 재료 또는 구성물
- Welding equipment, including any accessory, apparatus or fitting necessary to enable its use 용접장치, 용접장치 부속물, 기구 또는 용접장치를 사용하는데 필요한 피팅류

5 건강검진 제도

산업안전보건(건강검진) 규정에 의하면 위험작업 전 건강진단은 사업주로부터 명령을 받은 날로부터 근로자는 3개월 이내 지정된 산업의사로부터 검진을 받도록 규정하고 있습니다. 근로자수에 관계없이 모든 사업장에서 근로자가 아래 위험작업을 하는 경우 공장에 산업의사를 선임하여 인력부에 신고하도록 산업안전보건(치료의사) 규정에서 정의하고 있습니다.

여기서 위험작업이란

- 비소, 카드뮴, 납, 망간 수은 또는 그 복합물의 액체, 흄, 먼지, 가스 또는 증기에 노출되거나 사용하거나 취급하는 작업
- Benzene, perchloroethylene, trichloroethylene, organophospate 또는 Vinylchloride monomer의 흄, 증기에 노출, 사용 또는 취급하는 작업
- 타르, 피치, 역청(아스팔트), 크레오소토(의료, 방부제용 석탄산)에 노출, 사용 또는 취급하는 작업
- 석면, 원면(raw cotton) 또는 실리카에 사용 또는 취급하는 작업
- 강렬한 소음(8시간 85DB)에 노출(소음기준 붙임 4-4 참조)
- 압축공기를 사용하는 환경에서의 어떤 작업*
  (*30일이내 지정된 산업의사로부터 검진을 받아야 함)
  ※ 지정된 산업의사는【붙임 9】을 참조하시기 바랍니다.

건강진단 주기 및 검진주기 12개월에서 6개월이며 【붙임 2】의 산업안전보건(건강검진)규정을 참조하시기 바랍니다. 아울러 근로자의 소음측정은 인증된 소음측정전문의가 수행하도록 규정하고 있습니다.

6 작업환경 측정 및 MSDS 제도

물질안전보건자료(MSDS)와 관련하여 제조업체 및 공급업체가 사용에 대한 안전을 보증할 의무가 있는 물질은 다음과 같으며 독성물질에 대한 허용노출한계는 산업안전보건(일반조건) 규정을 참조하시기 바랍니다.

- 발암물질
- 폭발물
- 가압하의 가스
- 유전자 변형물질
- 산화물질
- 부식성 물질
- 가연성 물질
- 자극제
- 유기과산화물
- 발화물질
- 알러지를 일으키는 물질(Sensitizer)
- 자체 발열물질
- 자체 반응성물질
- 물과 접촉하는 경우 가연성가스를 방출하는 물질
- 수생환경 유해물질
- 독성 물질

또한 근로자가 10인이상인 공장은 적어도 매 3년에 1회 소음측정을 하도록 규정하고 있습니다. 이외 산업안전보건(일반조건) 규정 Part II에는 건강과 관련된 일반규정으로

- 감염물질 및 생물학적으로 위험한 물질
- 작업공간
- 환기
- 조명
- 작업장 바닥의 배수
- 위생조건
- 진동감소
- 과열, 과냉 및 해로운 방사선에 대한 보호등을 언급하고 있고 위험성평가서 제출 시 이에 대한 고려를 하도록 되어 있으나 작업환경주기, 누가 작업환경을 측정하는지 등 관련규정으로는 알 수가 없습니다. 다만 소음측정, 유해화학물질 측정 등은 인증받은 교육기관에서 교육을 받은 사람만이 측정할 수 있도록 규정하고 있습니다.

싱가포르 【붙임 3】의 지침서 중 소음진동관리 지침서(Guideline for Noise Control Vibration)에 따르면 허용가능한 소음노출한계는 다음 도표와 같으며 근로자는 소음평균가중치 85dB,A기준으로 작업시간 8시간동안 노출되어서는 안됩니다. 아래 표에 따르면 매 3dB,A가 소음수준이 증가될수록 노출시간은 절반으로 감소되어야 하며. 어떠한 경우에도 충격소음이 140dB,A을 초과해서는 안됩니다.

소음수준(SPL), dBA	최대 시간	소음수준(SPL), dBA	최대 시간
82	16 hrs	97	30 mins
83	12 hrs 42 mins	98	24 mins
84	10 hrs 5 mins	99	19 mins
85	8 hrs	100	15 mins
86	6 hrs 21 mins	101	12 mins
87	5 hrs 2 mins	102	9 mins
88	4 hrs	103	7.5 mins
89	3 hrs 11 mins	104	6 mins
90	2 hrs 31 mins	105	5 mins
91	2 hrs	106	5 mins
92	1 hrs 35 mins	107	3 mins
93	1 hrs 16 mins	108	2.5 mins
94	1 hrs	109	2 mins
95	48 mins	110	1.5 mins
96	38 mins	111	1 mins

Ⅵ 주요 벌칙 사항

다음은 산업안전보건법 위반에 대한 주요벌칙사항을 정리한 것으로 상세한 것은 관련법을 참조하시기 바랍니다.

구분	최대 벌금	최대 징역	조건
개인	U$200,000	2 years	어느 1개 또는 둘다
법인체	U$500,000		
안전조치 오용 또는 개인보호구 미사용	– 1차 위반 U$1,000 – 2차 연속위반 U$2,000		
안전조치 오용 또는 개인보호구 미사용으로 연속 2차 위반으로 사망자가 발생한 경우 a. 개인 b. 법인체	U$400,000 U$1 million	2 years	어느 1개 또는 둘다

■ **작업중지 명령 또는 개선명령을 위반한 경우**

구분	최대 벌금	최대 징역	조건
개선명령을 위반한 자	U$50,000	12 개월	어느 1개 또는 둘다
위반 후 연속하여 위반한 경우	연속위반 일 당 U$5,000추가		
작업중지명령을 위반 한 자	U$500,000	12 개월	어느 1개 또는 둘다
위반 후 연속하여 위반한 경우	연속위반 일 당 U$20,000추가		

Ⅶ 유용한 연락처

■ **산업안전보건 주무기관 : MOM(Ministry of Manpower)**

Email : MOM_OSHD@mom.gov.sg
Telephone : +65 64385122
Fax : +65 63171261
Website : http://www.mom.gov.sg/oshd

■ **안전하지 않은 작업상태시 긴급연락처**

Hotline : +65 63171111
Website : http://www.mom.gov.sg/oshd
Mailing Address : Occupational Safety and Health DivisionMinistry of Manpower 18 Havelock Road #03-02 Singapore 059764

■ **산업안전보건관련 최신 정보 취득을 위한 사이트**

The OSH Alert at the following website: http://oshalert.mom.gov.sg

■ **산업안전보건법 개정판 및 관련 규정 구매처**

SNP Corporation (Legal) Ltd Legal Publications Retail Outlet 1 Kim Seng Promenade #18-01/06 Great World City East Tower Singapore 237994
Tel: +65 68269691
Website: http://www.snpcorp.com/webshop

Ⅷ 산업안전보건관련 주요 용어 해설

■ **공장으로 간주되는 건물**

• **중공업(Heavy industries)**

- 독, 부두, 제티(Jetty), 방파제 및 그 주변 영역을 포함한 야드로서 배를 파쇄하거나 건조, 재건조, 수리, 재정비 또는 마무리하는 야드. 이는 소유자 또는 소유자를 대신하는 다른 사람에 의하여 선박건조와 유사한 활동을 하는 야드 옆의 물의 영역까지 포함한다.
- 운송을 위하여 사용되는 다른 공장, 기관차, 항공기, 차량의 수리, 건설 또는 재건설을 하는 건물/시설물로써 운송일부 또는 타 산업 또는 상업의 일부로 수행하는 건물. 단지 기관차, 항공기 또는 차량에 덮개를 하거나, 청소, 세척, 운전을 위한 수리 또는 사소한 조정등을 목적으로 사용하는 건물/시설물은 포함되지 않음
- 설계, 건설 등을 수행하거나 운영을 위한 건물/시설물

• **경공업(Light industries)**

- 천, 원사의 포장, 훅, 도금 랩핑등을 수행하는 건물/시설물
- 풍경, 소품 또는 드레스 수선 또는 각색을 하는 건물/시설물로 거래 또는 이득을 위하여 극장공연 발표 또는 영화, 공공 전파등을 위하여 필름, 테이프, 디스크를 생산하기위한 부분으로 사용되는 건물/시설물. 극장의 무대 또는 드레스룸으로 간헐적으로 각색 또는 수리를 하는 건물은 포함되지 않음
- 거래 또는 이득을 위하여 시네마 필름을 제조하는 건물/시설물. 시네마 필름 생산과 연결된 배우의 무대 또는 드레스룸은 포함되지 않음
- 낚시 산업의 일부로 그물망을 수리하거나 만드는 데 이용되는 건물/시설물
- 다른 사업의 부수적인 업무 수행을 위하여 편지인쇄, 오프셋, 리소그래프, 사진그라비어, 윤전그라비어 또는 이와 유사한 공정 또는 인쇄된 재료를 묶는 데 사용하는 건물/시설물

• **기타 산업(Ancillary industries)**

- 공장이 싱가포르내 또는 싱가포르 외부에 위치하든 관계없이 실질적인 작업을 실시하기 전에 품목을 분류하는데 사용하는 건물/시설물

- 공장이 싱가포르내 또는 싱가포르 외부에 위치하든 관계없이 실질적인 작업을 위하여 다른 공장과 연계하여 품목을 포장하거나 용기에 넣거나 병기에 충진하거나 세척하는데 사용하는 건물/시설물
- 공공기관과 연계되거나 다른 사업의 일부로서 운영되는 세탁소
- 설계건설과 관련된 작업 또는 건물운영의 일부로서 품목이 제조되거나 준비되어지는 건물/시설물

• **저장 설비(Storage facilities)**
- 저장용량이 140㎥가 넘지 않는 용기에 액화가스를 포함한 가스를 저장하기 위하여 사용되는 건물/시설물
- 저장용량이 5000㎥가 넘지 않는 용기에 독성물질 또는 가연성액체를 저장하는데 사용되는 건물/시설물(액화가스 및 지하에 설치된 용기는 제외)

• **유틸리티(Utilities)**
- 거래 및 이득을 위하여 전기에너지 공급과 연결하여 전기에너지를 생산하는 데 사용되는 건물/시설물
- 기계적인 힘을 이용하여 물공급과 연관되거나 또는 물공급을 위해 사용되는 건물/시설물
- 하수 작업과 연관되어 펌핑스테이션의 가동 및 이러한 작업을 수행하기 위하여 사용되는 건물/시설물

• **기 타(General)**
- 거래 또는 이득을 위하여 사업의 일부로써 기계적인 힘을 이용하여 품목의 수리 및 제조를 위해 사용하는 건물/시설물
- 다른 사업의 일부 또는 거래, 이득을 위하여 기계적인 힘을 이용하여 제품의 분류, 포장, 처리 및 저장을 위해 사용하는 건물/시설물

※ 산업안전보건법에서 공장이라함은 다음 사항을 위하여 사용되는 모든 시설물을 말함
- 제품 또는 제품의 부품을 만드는 건물/시설물
- 제품의 변경, 수리, 장식, 마무리, 세척을 하는 건물/시설물
- 제품을 파쇄 또는 파괴하는 작업을 하는 곳
- 제품의 판매와 연결되어 있는 곳

공장이란 예를 들면 제조공장, 자동차 서비스 매장, Shipyard 와 건설현장을 말함

Ⅸ 일반 현황

1 국가 개요

가. 일반사항

- 수도 : 싱가포르(518만명, 2011년 기준)
- 면적 : 약 712.4 ㎢(서울시 의 1.18배)
- 인종 : 중국계(74.1%), 말레이계(13.4%), 인도계(9.2%), 기타(3.3%)
- 종교 : 불교(33.3%), 기독교(18.3%) 이슬람교(14.7%)
- 정부형태 : 내각 책임제
- 독 립 일 : 1965.8.9(말레이시아 연방에서 분리)
- 대 통 령 : Tony Tan Keng Yam(취임:2011.9.1, 임기:6년)
- 총리 : Lee Hsien Loong(실권자)
  - 2006.5 및 2011.5 총선에서 집권당을 승리로 이끈 후 재집권

나. 한-싱가포르 관계

- 주요협정체결
  - 2005년 한국-싱가포르 FTA 체결
  - 2009년 6월 한국-ASEAN FTA 투자협정체결(발효 9월)
  - 2010년 6월 : 이명박 대통령 싱가포르 방문(한-싱가포르 정상회담)
- 교역규모 : 298억 600만 달러(2011년 기준)
  (수출 : US$ 20,839, 수입 US$ 8,967)
- 한국의 수출 : 선박, 집적회로반도체, 경유, 휘발유 등
- 한국의 수입 : 반도체 제조용 장비, 중유, 나프타
- 교 민 : 약 2만명
- 투 자 : 1570건, 52억 4922만 달러(2011년 누적 신고기준)

2 최근 경제 동향

가. 2011년 경제 성장

싱가포르 통상산업부의 2011년 경제지표 발표에 따르면 싱가포르 경제는 전년대비 4.9% 성장한 것으로 나타남

2010년 14.5%의 놀라운 경제성장은 싱가포르의 카지노 개장 에 따른 관광객 증가와 중국, 인도 등 주변국의 거대 소비시장 부상으로 가능했음

[2011년 싱가포르 GDP증가율]

	2010년	2011년 1분기	2011년 2분기	2011년 3분기	2011년 4분기	2011년	2012년 1분기
전년동기 대비 증가율(%)							
전체 GDP	14.8	9.1	1.2	6.0	3.6	4.9	1.6
생산 산업							
- 제조업	29.7	15.8	-5.9	13.7	9.2	7.6	-1.0
- 건설업	3.9	4.2	1.1	2.4	2.9	2.6	7.7
- 서비스 창출사업	11.1	7.5	4.6	3.6	2.1	4.4	2.2

※ 자료 : KOTRA

나. 주요 이슈

싱가포르와 한국은 양국 기업간 협력을 통해 세계 진출 활성화에 관심을 가지고 있으며 양국 간 협력을 논의하고 있음.

싱가포르에서는 **드라마, 음악, 영화, 음식, 패션** 등 거의 알려진 모든 분야에서 **한류의 영향**을 강하게 느낄수 있으며 이를 활용한 사업들도 크게 성장하고 있음.

비비고, 매드 포 갈릭, BBQ 등 유명 **한국 레스토랑**이 시내중심가에 있고 싱가포르 유통업체인 FairPrice와 협력하여 한국음식을 전국매장에 공급하고 있으며 **한국패션, 미용**에 대한 현지인들의 관심도가 매우 높고 삼성,LG,핸드폰, TV, 에어컨 등 **전자제품분야**에서 큰 시장규모를 유지하고 있음.

3 주요 산업 동향

가. 개 요

싱가포르 산업을 이끌고 있는 주력산업은 서비스업 및 제조업으로 2010년 기준 서비스업이 총 GDP의 67.6%를, 제조업이 22.2%를 차지하고 있다. 세부 서비스 업종별로 살펴보면 도소매업. 사업서비스업, 금융서비스업순이며 도시 국가 특성상 농수산업, 광업 등 1차산업에 대한 비중은 극히 낮음.

나. 주요산업

1) 전자산업

싱가포르에는 14개의 웨이퍼 실리콘 제조공장과 20개 반도체 조립 및 시험기업, 약 40개의 집적회로 설계센터와 세계3대 웨이퍼 공장을 두고 있으며 싱가포르 경제의 초석이 된 산업분야로 싱가포르 전체 제조 산출량의 34.8%를 차지하고 있음

2) 바이오 메디컬 과학산업

2011년 3분기 기준으로 싱가포르 성장을 견인한 전자제조분야가 -20.3%의 성장률을 보인 반면 바이오 메디컬 분야는 112.3%의 성장률을 보이며 싱가포르를 지탱하는 주요 산업군으로 성장함. 싱가포르 전체 제조 산출량의 8.6% 차지하고 있음

3) 화학산업

세계 3대 석유정제 및 거래 허브 중의 하나이며 94개 이상의 석유기업, 석유화학 기업, 특수화학 기업등이 입주해 있는 화학단지가 구축되어 있으며 에틸렌 생산량은 연 400만톤에 이르게 될 전망으로 전체 제조 산출량의 29.8%차지하고 있음

4) 금융서비스업

600개 이상의 싱가포르 및 해외금융기관들이 활동하고 있으며 세계적인 금융중심지로 Global Cometitiveness Report 2011~2012에 따르면 전세계 142개국의 글로벌 경쟁력에서 2위를 차지함

이외 주요 산업분야로는 관광서비스업, 항공우주산업, 태양에너지 외에 바이오 연료, 풍력 및 조력에너지 등의 청정에너지 산업 등이 있음

해외 진출기업을 위한

산업안전보건제도(부록)

<싱가포르 편>

【별첨 1】 싱가포르 산업안전보건법 전문(국문 및 영문)
Workplace Safety and Health Act

【별첨 2】 싱가포르 산업안전보건 규정(영문)
Workplace Safety and Health(First-Aid) Regulation
Workplace Safety and Health(General Provisions) Regulation
Workplace Safety and Health(Risk Management) Regulation
Workplace Safety and Health(Operation of Crane) Regulation
Workplace Safety and Health(Medical Examination) Regulation
Workplace Safety and Health(Incident Reporting) Regulation
Workplace Safety and Health(Registration of factories) Regulation

【별첨 3】 싱가포르 산업안전보건 규정 지침서(영문)
Guide to the Workplace Safety and Health(Incident Reporting) Regulation
Guide to the Workplace Safety and Health(WSHI) Regulation
Guide to the Workplace Safety and Health Act 2006
Guide to the Workplace Safety and Health(First Aid) Regulation
Guide to the Workplace Safety and Health(Risk Management) Regulation
Guide line for Noise Control Vibration

【별첨 4】 List for Approved Code of Practice

【별첨 5】 List for Approved Training Providers

【별첨 6】 List for Approved Inspection Agency for lifting Equipment

【별첨 7】 List for Approved Inspection Agency for Pressure vessel

【별첨 8】 List for Approved Crane Model and Crane Contractorr ※1.

【별첨 9】 List for Designated Workplace Doctorsr ※1.

【별첨 10】 List of Audiometriciansr ※1.

※ 필요시 공단 홈페이지(www.kosha.or.kr) 안전보건정보 – 국외 안전보건정보에서 다운로드 받으시기 바랍니다.
※ 주 : 하기 산업안전보건법, 규정 및 지침서는 최신본이 아닐 수 있으므로 반드시 현지에서 확인하여야함

【별첨 1】

제 1 부

서문

약칭

1. 이 법을 산업안전보건법이라고 약칭할 수 있다.

법 적용

2. —(1) 이 법(규정이 아닌)에 명시적으로 별도로 제공된 경우를 제외하고 이 법의 조항은 별표 1 에 지정한 작업장 분류 또는 등급 내의 작업장에 적용된다.
(2) 총리는 *관보*에 포함하여 발행된 명령에 의해 별표 1 에 지정한 작업장 분류 또는 등급을 추가할 수 있으며, 필요 시 또는 합당한 경우 임시 조항을 명령에 규정할 수 있다.
(3) (2)항에 따라 내려진 모든 명령은 *관보*에 실어 발행된 후 가능한 빨리 의회에 상정해야 한다.

정부에 대한 법 적용

3. —(1) (2)항에 제공된 경우를 제외하고 이 법은 정부를 구속하며 다음 대상에 적용된다.
(a) 정부가 전부 또는 일부를 소유하거나 점유한 작업장; 그리고
(b) 정부에 의해 또는 정부를 대신하여 건축 작업 또는 토목 시공 작업을 수행하는 작업 영역
(2) 이 법의 어떤 조항도 법 위반에 대한 정부의 책임을 경감하지 않는다.
(3) 의문의 여지를 막기 위해 어느 누구도 정부에 용역을 제공하는 데 참여한다는 이유로 이 법의 위반에 대한 책임을 면제받을 수 없다.

제 2 부

해석

일반적 해석

4. —(1) 이 법에서 문맥상 달리 요구되는 경우를 제외하고 —
"공인 교육 제공자"는 섹션 31 의 목적을 위해 안전보건 교육 과정을 제공하도록 판무관의 승인을 받은 교육 제공자를 의미한다.
"공기 저장 탱크"는 다음을 의미한다.—
(a) 압축 공기를 저장하고 공기 압축 설비에 연결된 용기(파이프나 코일 또는 부속품, 컴프레서 부속품 또는 부품 제외);
(b) 압축 공기를 저장하고 내연기관을 시동할 목적으로 사용되는 고정 용기;
(c) 공기 분사용 병; 또는
(d) 고체 또는 액체 형태의 물질을 저장하고 압축 공기의 힘을 받는 용기
"승인된 규약"은 섹션 40B 에 따라 발행되거나 승인된 규약을 의미하며 해당 섹션에 따라 수시로 개정되는 규약을 포함한다.
"직장"은 다음을 의미한다. —

(a) 종업원의 경우, 작업이 수행되는 장소와 관계없이 종업원이 자신의 고용주에 의한 거래, 업무, 직무 또는 사업과 관련하여 작업을 수행하는 모든 시기;
(b) 자영업자의 경우, 작업이 수행되는 장소와 관계없이 어떤 사람이 자영업자로서 작업을 수행하는 모든 시기; 그리고
(c) 모든 다른 경우, 작업이 수행되는 장소와 관계없이 어떤 사람이 자신을 고용한 타인의 지휘에 따라 작업을 수행하는 모든 시기
"공인 검사관"은 규정된 검사 또는 다음과 같은 시험을 수행할 목적으로 섹션 33 에 따라 판무관이 승인한 사람을 의미한다.
(a) 도르래 및 승강기;
(b) 승강 기어;
(c) 승강 장치 또는 승강 기계;
(d) 증기 보일러;
(e) 증기 저장 탱크;
(f) 공기 저장 탱크;
(g) 냉장 설비 압력 저장 탱크;
(h) 압력 용기; 또는
(i) 이 법에서 공인 검사관이 검사하거나 시험하도록 요구한 모든 다른 기계
"신체 부상"은 건강 상해, 질병 감염 및 신체 부상 또는 질병의 악화, 가속화 또는 재발을 포함한다.
"건물"은 다음을 포함한다. —
(a) 사람의 거주 목적으로 사용하든 또는 다른 목적으로 사용하든 상관없이 집 또는 다른 구조물 전체 또는 일부;
(b) (a)항의 집 또는 구조물과 연결된 구조물, 지지물 또는 기반
"건축 작업"은 다음을 의미한다. —
(a) 건물의 시공, 구조 변경, 수리 또는 유지보수(전기 장치의 재배선, 승강기, 공조 설비 및 건물 보조 도관의 교체, 구조물의 재도장, 개장 및 외부 청소 포함);
(b) 건물 파괴; 또는
(c) 예정된 건물의 부지 준비 및 기반 다지기
단, 토목 시공 작업은 포함하지 않는다.
"분류 또는 등급"은 작업장과 관련한 경우 소재지를 참조하여 기술한 작업장군을 포함한다.
"판무관"은 섹션 7 에서 임명한 작업장 안전보건 판무관을 의미한다.
"용역 계약"은 구두 또는 서면을 막론하고, 어떤 사람이 타인을 종업원으로 고용한다는 데 동의하고 해당 타인이 그의 종업원 역할을 한다는 데 동의하는 명시적 또는 묵시적인 계약을 의미하며 견습 계약을 포함한다.
"계약자"는 용역 계약에 따라 다른 방법으로 타인(이 법에서는 수장이라 함)이 고용한 사람을 의미한다.
수장이 수행하는 거래, 업무, 직무 또는 사업과 관련하여
(a) 이득 또는 보상을 받기 위해 노동을 제공; 또는
(b) 이득 또는 보상을 목적으로 작업을 수행
"위원회"는 섹션 39 에 따라 설립된 산업안전보건 위원회를 의미한다.
"위험 발생"은 별표 2 에 지정한 발생을 의미한다.

"대리 판무관"은 섹션 7 에서 임명한 산업안전보건 대리 판무관을 의미한다.
"전기 장치"는 전기 전도, 제어 또는 사용에 따른 목적으로 사용되는 케이블, 전선, 고정구, 부속품, 장치 또는 기타 장치를 의미한다.
"고용"은 이득 또는 보상을 제공하고 타인에게 작업을 시키는 것을 의미한다.

제 3 부

법 행정

작업장 안전보건 판무관 및 기타 공무원 임명

7. —(1) 총리는 어떤 사람을 작업장 안전보건 판무관으로 임명하고 다른 사람을 이름 또는 사무에 의해 산업안전보건 대리 판무관으로 임명할 수 있다.
(2) 판무관은 총리의 일반 또는 특별 지휘에 따라 이 법의 행정을 책임져야 하며 이 법 또는 다른 성문법에 의해 자신에게 부과된 임무를 수행하고 부여된 권한을 행사할 수 있다.
(3) 판무관은 이 법의 행정상 판무관을 보조하기 위해 필요한 경우 이름 또는 사무에 의해 임의의 인원을 조사관으로, 임의의 다른 인원을 공인 집행관으로 임명할 수 있다.
(4) 판무관은 총리의 승인을 받아 판무관이 지정할 수 있는 조건 또는 제한에 따라 이 법에 의해 자신에게 부여된 권한 또는 부과된 임무의 전부 또는 일부의 실행을 대리 판무관, 조사관 또는 공인 집행관에게 위임할 수 있다.
(5) 이 섹션에 근거하여 이루어진 모든 임명의 공시는 *관보*에 실어 발행해야 한다.

판무관, 대리 판무관, 조사관, 공인 집행관 등은 공무원으로 간주

8. 섹션 7 에 따라 임명한 판무관과 모든 대리 판무관, 조사관 및 공인 집행관과 모든 위원회 위원은 형법(Cap. 224)의 의미에서 공무원으로 간주해야 한다.

조사관 및 공인 집행관 식별

9. 모든 조사관 및 공인 집행관은 —
(a) 해당하는 경우 조사관 또는 공인 집행관으로 임명한다는 인증서를 제공 받는다.
(b) 이 법에 따라 필요 시 권한을 행사할 때 해당 권한 행사의 영향을 받는 사람에게 자신이 임명 받은 인증서를 발부한다.

제 4 부

작업장에서 일하는 사람의 일반 임무

서로 다른 기능에 따른 임무

10. 의문의 여지를 막기 위해 여기서 아래와 같이 선언한다. —
(a) 한 사람이 한 시기에 다음 중 둘 이상의 역할을 할 수 있다.
(i) 고용주;

(ii) 계약자;
(iii) 하위 계약자;
(iv) 수장;
(v) 자영업자;
(vi) 작업장 점유자;
(vii) 업무 수행에 사용하기 위한 기계, 장비 또는 위험 물질의 설계자, 제조자 또는 공급자;
(viii) 업무 수행에 사용하기 위한 기계 또는 장비의 가설자, 설치자 또는 수정자;
(ix) 기계적 힘 또는 업무 수행에 사용하기 위한 기계를 유지관리하고 이 법에 따라 해당인에게 임무나 책임을 부과할 수 있는 사람에 의해 움직이는 기계의 소유자, 임대인 또는 임차인
(b) 이 법은 같은 기능인지 또는 다른 기능인지 상관없이 한 시기에 두 사람 이상에게 동일한 임무나 책임을 부과할 수 있다; 그리고
(c) 이 법에 의해 어떤 사람에게 부과된 임무나 책임은 같은 기능인지 또는 다른 기능인지 상관없이 해당 임무나 책임이 한 명 이상의 다른 사람에게 부과되었다는 사실 때문에 축소되거나 영향을 받지 아니한다.

작업장 점유자의 임무

11. 합리적 실행인 경우 개인이 업무 수행 중이든 또는 점유자의 종업원이든 상관없이 다음 사항이 안전하고 작업 영역 내의 모든 사람의 건강에 위험이 없도록 대책을 수행하는 것은 모든 작업장 점유자의 임무이다.
(a) 작업장;
(b) 모든 작업장 출입 수단; 그리고
(c) 작업장에 보존된 기계, 장비, 설비, 물품 또는 물질

고용주의 임무

12. —(1) 합리적 실행인 경우 업무를 수행하는 자신의 종업원의 안전보건을 확보하는 데 필요한 대책을 수행하는 것은 고용주의 임무이다.
(2) 합리적 실행인 경우 작업장에서 자신이 수행하는 사업의 영향을 받을 수 있는 사람(자신의 종업원이 아닌)의 안전보건을 확보하는 데 필요한 대책을 수행하는 것은 모든 고용주의 임무이다.
(3) (1)항의 목적상 업무를 수행하는 사람의 안전보건을 확보하는 데 필요한 대책은 다음을 포함한다. —
(a) 전술한 사람들을 위해 업무 수행 시의 복지를 위한 시설과 협정에 관하여 안전하고 건강에 위험이 없으며 적당한 작업 환경 제공 및 유지
(b) 전술한 사람들이 사용하는 모든 기계, 장비, 설비, 물품 또는 프로세스에 관하여 적당한 안전 대책이 수행되는지 확인
(c) 전술한 사람들이 다음과 같은 사물의 배열, 폐기, 조작, 구성, 처리, 보관, 운송, 작업 또는 사용으로 인해 위험요인에 노출되지 않는지 확인 —
(i) 자신의 작업장; 또는
(ii) 자신의 작업장 부근 및 고용주의 통제 하에 있는;
(d) 전술한 사람들이 업무를 수행하는 동안 일어날 수 있는 긴급 상황에 대처하기 위한 절차 개발 및 구현
(e) 업무를 수행하는 사람들이 자신의 업무를 수행하는 데 필요한 적당한 지침, 정보, 교육 및 감독을 받고 있는지 확인

(4) 모든 고용주는 규정에 요구된 경우 자신의 사업 수행 방법에서 전술한 사람들이 자신의 작업장에서 일하는 동안 자신의 안전보건에 영향을 받을 수 있는 측면에 관하여 규정된 정보를 해당인들(자신의 종업원이 아닌)에게 제공해야 한다.

자영업자의 임무

13. —(1) 합리적 실행인 경우 작업장에서 자신이 수행하는 사업의 영향을 받을 수 있는 사람(자신의 종업원이 아닌)의 안전보건을 확보하는 데 필요한 대책을 수행하는 것은 모든 자영업자(자신이 계약자이든 또는 하위 계약자이든 상관없이)의 임무이다.

(2) 모든 자영업자는 규정에 요구된 경우 자신의 사업 수행 방법에서 전술한 사람들이 자신의 작업장에서 일하는 동안 자신의 안전보건에 영향을 받을 수 있는 측면에 관하여 규정된 정보를 해당인들(자신의 종업원이 아닌)에게 제공해야 한다.

수장의 임무

14. —(1) (2)항에 따라, 합리적 실행인 경우 다음과 같은 사람들의 안전보건을 확보하는 데 필요한 대책을 수행하는 것은 수장의 임무이다. —

(a) 업무 수행 시 수장이 고용한 계약자;

(b) 업무 수행 시 계약자가 고용한 직접 또는 간접의 하위 계약자; 그리고

(c)업무 수행 시 전술한 계약자 또는 하위 계약자가 고용한 종업원

(2) (1)항의 수장에게 부과되는 임무는 (1)항에 명시한 계약자, 하위 계약자 또는 종업원이 작업 수행 방법에 관하여 수장의 지휘에 따라 작업하는 경우에만 적용된다.

(3) 합리적 실행인 경우 작업장에서 자신이 수행하는 사업의 영향을 받을 수 있는 사람(수장의 지휘에 따라 작업하는 (1) (*a*), (*b*) 또는 (*c*)항에 명시한 사람이 아닌)의 안전보건을 확보하는 데 필요한 대책을 수행하는 것은 모든 수장의 임무이다.

(4) (1)항의 목적상 업무를 수행하는 사람의 안전보건을 확보하는 데 필요한 대책은 다음을 포함한다. —

(a) 전술한 사람들을 위해 업무 수행 시의 복지를 위한 시설과 협정에 관하여 안전하고 건강에 위험이 없으며 적당한 작업 환경 제공 및 유지

(b) 전술한 사람들이 사용하는 모든 기계, 장비, 설비, 물품 또는 프로세스에 관하여 적당한 안전 대책이 수행되는지 확인

(c) 전술한 사람들이 다음과 같은 사물의 배열, 폐기, 조작, 구성, 처리, 보관, 운송, 작업 또는 사용으로 인해 위험요인에 노출되지 않는지 확인 —

(i) 자신의 작업장; 또는

(ii) 자신의 작업장 부근 및 수장의 통제 하에 있는;

(d) 전술한 사람들이 업무를 수행하는 동안 일어날 수 있는 긴급 상황에 대처하기 위한 절차 개발 및 구현

(e) 업무를 수행하는 사람들이 자신의 업무를 수행하는 데 필요한 적당한 지침, 정보, 교육 및 감독을 받고 있는지 확인

(5) 모든 수장은 규정에 요구된 경우 자신의 사업을 수행하는 방법에서 전술한 사람들(수장의 지휘에 따라 일하는 (1) (*a*), (*b*) 또는 (*c*)에 명시한 사람이 아닌)이

자신의 작업장에서 일하는 동안 안전보건에 영향을 받을 수 있는 측면에 관하여 규정된 정보를 그들에게 제공해야 한다.

업무를 수행하는 사람의 임무

15. —(1)다음은 업무를 수행하는 모든 사람의 임무이다. —

(a) 업무를 수행하는 동안 자신의 안전보건 및 복지를 보호하기 위해 적합한 기구, 방호복, 편의, 장비 또는 기타 수단이나 제공된 사물(단독으로 사용하든 타인과 공동으로 사용하든 상관없이)을 예정된 보호를 제공하는 방법으로 사용; 그리고

(b) 자신의 고용주, 수장 또는 타인이 해당하는 경우 이 법의 조항을 준수할 수 있도록 하는 한도까지 자신의 고용주 또는 수장 및 타인과 협력

(2) 업무를 수행하는 어떤 사람도 업무를 수행하는 사람(자신 포함)의 안전보건 또는 복지를 보호하기 위해 이 법의 요구사항에 따라 제공된 기구, 방호복, 편의, 장비 또는 기타 수단이나 사물을(단독으로 사용하든 또는 타인과 공동으로 사용하든 상관없이) 고의로 또는 무분별하게 방해하거나 오용해서는 안 된다.

(3) 합리적 이유 없이 자신 또는 타인의 안전보건을 위태롭게 하는 행동을 고의로 또는 무분별하게 행하는 업무를 수행하는 사람은 잘못을 저지른 것이다.

(4) (1) 또는 (2)항을 위반하는 사람은 잘못을 저지른 것이며 유죄 판결 시 $1,000 이하의 벌금형 또는 2 회 이상 위반하는 경우 $2,000 이하의 벌금형에 처해질 수 있다.

업무 수행에 사용되는 기계, 장비 또는 위험 물질의 제조자 및 공급자의 임무

16. —(1) 이 섹션에 따라 합리적 실행인 경우 다음 사항을 확보하는 것은 업무 수행에 사용하기 위한 기계, 장비 또는 위험 물질을 제조하거나 공급하는 사람의 임무이다.

(a) 업무 수행에 사용하기 위해 기계, 장비 또는 위험 물질을 공급 받는 사람에게 기계, 장비 또는 위험 물질 사용의 안전에 관한 다음과 같은 정보를 제공한다.

(i) 기계, 장비 또는 위험 물질의 적절한 사용 및 유지관리를 위해 실행해야 하는 주의(있는 경우);

(ii) 기계, 장비 또는 위험 물질과 관련된 건강 위험요인(있는 경우); 그리고

(iii) 안전한 사용과 관련하여 소절 (*c*)에 따른 기계, 장비 또는 위험 물질의 시험이나 검사와 관련된 정보 및 그 결과

(b) 기계, 장비 또는 위험 물질아 적절히 사용할 경우 안전하고 건강에 위험이 없도록 함

(c) 소절 (*b*)에서 부과한 임무를 준수하기 위해 기계, 장비 또는 위험 물질을 시험하고 검사함

(2) (1)항에 명시한 사람에게 부과되는 임무는 다음과 같다. —

(a) 수익성이 있는지 여부와 관계없이 전술한 사람이 수행하는 거래, 업무, 직무 또는 사업 과정에서 기계, 장비 또는 위험 물질을 제조하거나 공급하는 경우에만 적용;

(b) 업무를 수행하는 사람이 사용하기 위해 기계, 장비 또는 위험 물질을 독점 제조하거나 공급하는지 여부와 관계없이 적용; 그리고

(c) 판매, 전송, 임대 또는 고용을 통해 기계, 장비 또는 위험 물질을 공급하는 경우 및 수장인지 또는 대리인인지와 관계없이 타인에게 공급할 목적으로 어떤 사람에게 기계, 장비 또는 위험 물질을 공급하는 경우

(3) (1)항에 명시한 사람에게 부과되는 임무는 타인으로부터 고객이 기계 또는 장비를 인수하는 금융 업무 과정에서 해당인이 또 다른 사람에 대한 고용-구매 계약, 조건부 판매 계약 또는 신용 판매 계약에 따라 기계 또는 장비를 공급한다는 이유만으로는 해당인에게 적용되지 않는다.

(4) 어떤 사람(이 항에서 표면상의 공급자라 칭함)이 고용-구매 계약, 조건부 판매 계약 또는 신용 판매 계약에 따라 업무에 사용하기 위한 기계 또는 장비를 고객에게 공급하고 표면상의 공급자가 다음과 같이 하는 경우 —

(a) 해당 계약 수단을 통해 타인이 상품을 인수하는 금융 업무를 수행; 그리고

(b) 전술한 업무 과정에서 제 3 자(이 항에서 실제 공급자라 칭함)로부터 고객이 인수하는 자금을 제공하는 수단으로 고객에게 공급된 기계 또는 장비의 이권을 인수

실제 공급자는 이 섹션의 목적상 표면상의 공급자 대신 고객에게 기계 또는 장비를 공급하는 것으로 취급해야 하며, 따라서 (1)항에 의해 공급자에게 부과되는 임무는 표면상의 공급자가 아닌 실제 공급자에게 적용해야 한다.

(5) 어떤 사람이 업무에 사용하기 위해 기계, 장비 또는 위험 물질을 설계, 제조 또는 공급하고, 합리적 실행의 범위 내에서 해당 기계, 장비 또는 위험 물질이 적절히 사용할 경우 안전하고 건강에 위험이 없도록 보장하기에 충분한 명시된 조치를 취하기 위해 타인이 서면 약속을 기준으로 이러한 행위를 수행하는 경우, 이 약속은 전술한 사람으로부터 (1) (*b*)항에서 부과한 임무를 해당 약속의 조건과 관련하여 합리적인 한도까지 완화하는 효과를 가진다.

(6) (1) (*c*)항에 따라 (1) (*b*)항에서 부과한 의무를 이행하기 위해 기계, 장비 또는 위험 물질의 검사와 시험을 요구 받는 사람은 다음과 같은 한도까지 (1) (*c*)를 준수하는 것으로 간주한다.

(a) 해당인에 의해 또는 해당인을 대신하여 검사 또는 시험을 다른 방법으로 이미 수행한 경우; 그리고

(b) 해당 검사 또는 시험에 의존하는 사람에게 합리적인 경우

(7) 이 섹션의 목적상 안전 부재나 건강 위험은 발생할 수 있거나 발생과 관련된 경우가 합리적으로 예측할 수 없는 1 회 발생으로 나타난 경우에는 무시된다.

(8) 이 섹션에서 기계, 장비 또는 위험 물질과 관련한 "공급자"에는 공급하는 해당 품목의 제조자를 포함하지 않지만 해당 품목을 공급하는 수입업자는 포함한다.

(9) 이 섹션은 별표 5 에 명시한 기계, 장비 또는 위험 물질에만 적용된다.

기계 또는 장비를 가설, 설치 또는 수정하는 사람 및 업무에 사용하기 위한 기계를 제어하는 사람의 임무

17. —(1) 합리적 실행인 한도 내에서 기계 또는 장비를 적절히 사용할 경우 안전하고 건강에 위험이 없는 방법으로 가설, 설치 또는 수정하도록 하는 것은 업무에 사용하기 위한 기계 또는 장비를 가설, 설치 또는 수정하는 사람의 임무이다.

(2) (1)항에 따라 기계 또는 장비를 가설, 설치 또는 수정하는 사람에게 부과되는 임무는 기계 또는 장비가 해당인의 거래, 업무, 직무 또는 사업 과정에서 가설, 설치 또는 수정되는 경우에만 적용된다.
(3) (1)항에 따라 기계 또는 장비를 적절히 사용할 경우 안전하고 건강에 위험이 없는 방법으로 가설, 설치 또는 수정하도록 요구받는 사람은 다음과 같은 한도까지 해당 항을 준수한 것으로 간주한다.
(a) 해당인이 합리적 실행인 한도까지 기계 또는 장비의 설계자, 제조자 또는 공급자가 제공한 가설, 설치 또는 수정과 관련된 정보에 따라 가설, 설치 또는 수정하도록 한 경우
(b) 해당 정보에 의존하는 사람에게 합리적인 경우
(4) 기계적 동력에 의해 움직이는 기계를 작업장에 사용하는 경우에는 이 법의 조항에도 불구하고 다음과 같이 하는 것이 기계 소유자의 임무이다.
(a) 합리적 실행인 한도까지 기계가 안전한 상태에서 유지되도록 함; 그리고
(b) 기계의 안전한 사용을 위해 실행해야 할 주의사항(있는 경우) 및 기계와 관련된 건강 위험요인(있는 경우)을 기계 사용자에게 제공
(5) 기계적 동력에 의해 움직이는 기계의 소유자가 임대인 또는 임차인과 고용 또는 임대 계약을 체결한 경우 (4)항에 따라 부과된 임무는 소유자가 아닌 기계의 임대인 또는 임차인에게 적용된다.
(6) 기계적 동력에 의해 움직이는 기계의 소유자, 임대인 또는 임차인이 기계를 유지관리하기 위해 타인과 계약을 체결한 경우 (4) (*a*)항에 따른 임무는 기계 소유자, 임대인 또는 임차인이 아닌 해당 타인에게 적용된다.
(7) (1), (2) 및 (3)항은 별표 5 의 제 1 부에 명시한 기계 또는 장비에만 적용된다.

점유자 및 고용주의 다른 관련 임무

18. —(1) 고용주는 이 법에 따라 업무 수행 시 자신의 종업원의 안전, 보건 또는 복지를 확보하기 위해 수행하거나 제공하는 사항과 관련하여 다음과 같이 하지 않아야 한다. —
자신이 자신의 종업원에게 지불하도록 계약된 금액에서 공제 또는 공제할 수 있도록 허용; 또는
(b) 자신의 종업원으로부터 지불을 받거나 자신의 대리인에게 받도록 허용
(2) 고용주는 종업원이 다음과 같이 한다는 이유로 종업원을 해고하거나 해고한다고 위협해서는 안 된다. —
(a) 이 법의 위반이나 진술된 위반 또는 그렇게 하라는 제안에 대해 조사관, 공인된 사람 또는 이 법에 따라 검사 또는 조사를 수행하는 다른 공공 당국을 도운(정보를 제공하거나 다른 방법으로) 경우;
(b) 안전보건 문제와 관련하여 조사관 또는 공인된 사람에게 보고 또는 보고하라는 제안을 하도록 돕기 위해 성실하게 노력하거나 해당 보고 또는 제안을 실행한 경우;
(c) 산업안전보건 위원회 위원으로 성실하게 임무를 수행하고 있는 경우; 또는
(d) 섹션 21 에 따라 내린 명령을 따르거나 다른 방법으로 이 법을 따르거나 그렇게 하라고 제안한 경우
(3) 작업장의 점유자는 작업장에 다음과 같은 기록을 유지하도록 해야 한다.
(a) 이 법의 조항에 따라 판무관이 작업장에 관하여 발행한 모든 문서;
(b) 이 법에 따라 요구받은 대로 판무관에게 제공한 모든 통지의 복사본; 그리고

(c) 이 법에 따라 작업장에 관하여 준비한 모든 보고서 및 구체적 사항
(4) 작업장의 점유자는 (3)항에 언급한 기록이 다음과 같이 되도록 해야 한다. —
(a) 기록이 작성된 날로부터 5 년 이상 또는 규정된 다른 기간 동안 보존; 그리고
(b) 해당 기간에 그렇게 수행하도록 요구받으면 언제나 검사를 위해 조사관에게 기록의 복사본 제공
(5) (1) 또는 (2)항을 위반하는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.
(6) (3) 또는 (4)항을 위반하는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $2,000 이하의 벌금형에 처해질 수 있다.

공통 영역의 점유자의 임무

19. —(1) (2)항의 목적상 건물이 하나 이상의 작업장, 공동 재산 또는 해당 작업장에서 업무를 수행하는 사람이 사용하거나 해당인이 이동하기 위해 사용하는 건물의 제한된 공동 재산(이 섹션에서 공동 영역이라 칭함)은 작업장의 일부로 취급해야 한다.
(2) 다음 사항과 관련하여 이 법의 조항을 준수하는 것은 공동 영역 점유자의 임무이다. —
(a) 공동 영역에 위치한 발전기 및 모터;
(b) 공동 영역에 위치한 도르래 및 승강기, 승강 기어, 승강 기구 및 승강 기계;
(c) 공동 영역에 출입하기 위한 수단; 그리고
(d) 공동 영역 소유자 또는 점유자에 속하거나 이들에 의해 공급되는 공동 영역에 위치한 기계 또는 설비
(3) 이 섹션에서 —
"공동 재산" 및 "제한된 공동 재산"은 2004 년도 건물 유지보수 및 층 관리법(2004 년도 법 47 조)에서와 같은 의미를 가진다.
공동 영역과 관련하여 "점유자"는 해당하는 경우 공동 영역을 통제하는 관리 기업 또는 자회사 관리 기업을 포함한다.

제4부에 따른 임무 위반

20. 어떤 사람에게 임무를 부과하는 제4부의 조항을 위반하는 경우 해당인은 잘못을 저지른 것이다.

제 5 부

판무관의 권한

개선 명령 또는 작업 정지 명령을 내릴 권한

21. —(1) 이 섹션은 판무관이 다음과 같은 것으로 판정한 경우에 적용된다. —
(a) 작업장이 작업장에서 수행되는 공정이나 작업이 근무하는 사람의 안전보건 및 복지가 보장되도록 수행할 수 없는 상태에 있거나 작업장의 기계, 장비, 설비 또는 물품의 일부가 그렇게 사용되는 경우;
(b) 어떤 사람이 이 법의 임무를 위반한 경우; 또는

(c) 어떤 사람이 판무관의 의견으로 근무 중인 사람의 안전보건 및 복지에 위험을 노출하거나 노출할 가능성이 있는 행동을 했거나 그러한 행동을 억제한 경우

(2) 이 섹션이 적용되는 경우 판무관은 작업장에 관하여 다음 대상자에게 개선 명령 또는 작업 정지 명령을 내릴 수 있다. —

(a) 작업장 또는 작업장에서 수행되는 공정이나 작업을 통제하는 사람;

(b) 이 법에 따른 그의 의무가 작업장에서 근무하는 사람의 안전보건 및 복지를 확보하는 것인 사람; 또는

(c) 작업장에서 근무하는 사람의 안전보건 및 복지에 위험을 노출하거나 노출할 가능성이 있는 사람

(3) 이 섹션에 따른 개선 명령은 —

(a) 명령을 수행하는 사람에게 판무관의 요구를 만족하는 수준까지 다음과 같은 대책을 수행하도록 지시한다.

(i) 근무 중인 사람의 안전보건 및 복지에 관하여 작업장에서 작업 또는 공정을 수행할 수 있도록 위험을 해결;

(ii) 이 법에서 부과한 임무를 준수; 또는

(iii) (1) (*c*)에 언급한 행동을 하거나 행동을 억제; 그리고

(b) 명령이 발효되는 날짜 및 명령에 요구한 조치를 수행해야 하는 기간(개선 명령이 발효된 날로부터 계산)을 명시한다.

(4) 작업 정지는 —

(a) 명령을 수행하는 사람에게 작업 또는 공정의 수행을 다음과 같은 기간 동안 즉시 중지하도록 지시한다. —

(i) 무한히; 또는

(ii) 근무하는 사람의 안전보건 및 복지와 관련하여 작업장에서 작업 또는 공정을 수행할 수 있도록 위험을 해결하기 위해 판무관이 요구한 대책을 판무관이 만족하는 수준으로 수행할 때까지; 그리고

(b) 명령이 발효되는 날짜를 명시한다.

(5) 판무관은 개선 명령 또는 작업 정지 명령을 내릴 권한을 대리 판무관에게 위임할 수 있다.

(6) 개선 명령을 준수하지 않는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $50,000 이하의 벌금형 또는 12 개월 이하의 금고형 또는 벌금형과 금고형에 모두, 또는 계속 위반할 경우 매일 또는 유죄판결 후 위반이 계속된 기간 동안 $5,000 이하의 추가 벌금형에 처해질 수 있다.

(7) 작업 정지 명령을 준수하지 않는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $500,000 이하의 벌금형 또는 12 개월 이하의 금고형 또는 벌금형과 금고형에 모두, 또는 계속 위반할 경우 매일 또는 유죄판결 후 위반이 계속된 기간 동안 $20,000 이하의 추가 벌금형에 처해질 수 있다.

(8) 어떤 사람이 개선 명령 또는 작업 정지 명령을 준수하지 않을 경우 판무관은 다음과 같이 할 수 있다. —

(a) 모든 합리적인 시기에 작업장에 입장하여 명령을 발효하는 데 필요할 수 있는 조치 실행 및 작업 수행; 그리고

(b) 다음을 방지하기 위해 적절한 조치 실행 —

(i) 영역에 무단 진입; 또는

(ii) 명령의 영향을 받는 기계, 장비, 설비 또는 물품에 무단 접근
(9) (8)항에 따라 판무관에게 발생한 비용 및 지출은 개선 명령 또는 작업 정지 명령을 수행하는 사람이 정부에 지불해야 하는 채무로 복구할 수 있다.
(10) 판무관이 (8) (*b*)항에 따라 영역 또는 기계, 장비, 설비 또는 물품에 관하여 조치를 실행한 경우 이 조치가 시행된 것을 알고 있거나 판무관의 허가 없이 해당 영역에 입장하거나 해당 기계, 장비, 설비 또는 물품에 대한 접근 권한을 얻는 사람은 잘못을 저지른 것이며 유죄로 판결된 경우 $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

판무관이 내린 명령에 대한 항소

22. —(1) 섹션 21 에 따라 판무관이 내린 명령의 영향을 받는 사람은 명령을 내린 날짜로부터 14 일 이내에 해당 명령의 철회 또는 변경을 총리에게 항소할 수 있다.
(2) 개선 명령에 대해 총리에게 항소하는 경우 항소 결과가 나올 때까지 해당 명령을 보류하는 효과를 갖지 않는다.
(3) 작업 정지 명령에 대해 총리에게 항소하는 경우 영향을 받은 사람은 항소 결과가 나올 때까지 명령을 준수해야 하며 해당 작업 정지 명령은 다른 방법으로 철회되거나 변경될 때까지 효력을 가진다.

인증서를 정지할 권한

23. —(1) 판무관은 적합하다고 생각하는 경우 이 법에 따라 작업 또는 작업장에 관하여 자신이 발급한 인증서를 정지할 수 있으며, 인증서에 명기된 사람에게 정지 사실 및 정지 사유를 서면으로 통지해야 한다.
(2) (1)항에 따라 인증서가 정지된 경우 영향을 받은 사람은 인증서가 요구한 작업장에서의 작업 수행을 즉시 중지해야 한다.
(3) (2)항을 위반하는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

제 6 부

사고, 위험 발생 및 직업병 조사, 심리 및 보고

사고, 위험 발생 등에 대한 조사

24. 판무관은 작업장에서의 사고, 위험 발생 또는 직업병을 인지한 경우 조사관에게 해당 사고, 위험 발생 또는 직업병의 상황을 조사하도록 지시할 수 있다.

기계, 장비 등의 변경 또는 추가

25. —(1) 아무도 판무관의 동의 없이 다음과 같이 할 수 없다. —
(a) 인명 사망 또는 위험 발생이나 직업병을 일으키는 사고의 원인에 기여할 수 있는 기계, 장비, 설비 또는 물품의 변경, 교체, 제거 또는 추가; 또는
(b) 치명적 사고나 위험 요인의 현장 또는 직업병을 발생시킨 현장 변경
(2) 사고, 위험 발생 또는 직업병이 발생하는 작업장의 점유자는 누구든지 다음과 같이 하지 못하도록 모든 합리적 조치를 실행해야 한다.

(a) 인명 사망 또는 위험 발생이나 직업병을 일으키는 사고의 원인에 기여할 수 있는 기계, 장비, 설비 또는 물품의 변경, 교체, 제거 또는 추가; 또는
(b) 치명적 사고나 위험 요인의 현장 또는 직업병을 발생시킨 현장 변경
(3) (1)항에서 언급한 변경, 교체, 제거 또는 추가는 반대로 입증된 경우를 제외하고 작업장 점유자가 행한 것으로 가정한다.
(4) (1) 또는 (2)항의 어떤 사항도 구호 작업 또는 인명 및 재산의 일반적 안전을 위해 필요한 작업에 방해가 되도록 운용해서는 안 된다.
(5) (1)항을 위반한 사람 및 (2)항을 위반하는 작업장 점유자는 잘못을 저지른 것이며 유죄로 판결될 경우 $10,000 이하의 벌금형 또는 12 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

총리는 직접 심리할 수 있다.

26. —(1) 총리는 작업장에서 발생한 사고, 위험 발생 또는 직업병 및 그 원인과 환경에 대해 심리하기 위해 심리위원회를 임명할 수 있으며, 이 위원회가 심문 결과를 총리에게 보고하도록 지시할 수 있다.
(2) (1)항에서 언급한 심리위원회는 다음과 같은 위원으로 구성한다. —
(a) 총리가 지방 법원 재판장에게 자문한 후 임명한 지방 법원 판사; 그리고
(b) 총리가 임명한 한 명 이상의 평가사
(3) 심리위원회는 다음 활동에 가장 효과적이라고 생각하는 방법과 조건으로 개방 법정에서 심리를 개최할 수 있다.
(a) 사고, 위험 발생 또는 직업병의 원인과 상황 확인; 그리고
(b) 이를 총리에게 보고할 수 있도록 함
(4) 심리위원회는 심리를 목적으로 다음과 같은 권한을 가진다. —
(a) 이 법에 따라 위반을 시도하는 경우 지방 법원 판사의 모든 권한;
(b) 이 법에 따른 조사관의 모든 권한; 그리고
(c) 다음과 같은 모든 권한:
(i) 모든 작업 영역에 진입 및 검사, 심리위원회에게 심리의 목적상 필요한 것으로 나타난 진입 또는 검사;
(ii) 지방 법원 판사가 서명한 소환장에 의해 심리위원회가 사전에 호출하는 것이 적합할 것으로 생각되는 모든 해당인의 출두 요구 및 적합하다고 생각하는 심리에 대한 답변 또는 회신 요구
(iii) 심리위원회가 심리 목적상 중요하다고 생각하는 모든 책자, 논문 및 문서 작성 요구; 그리고
(iv) 조사를 받는 모든 사람에게 선서를 하게 하고 조사에서 자신이 한 진술이 사실임을 선언하는 문서를 작성하고 서명할 것을 요구
(5) 심리의 결론에 도달한 경우 심리위원회는 총리에게 제출할 다음과 같은 보고서를 작성해야 한다. —
(a) 사고, 위험 발생 또는 직업병의 원인과 상황 명시; 그리고
(b) 심리위원회가 실행하는 것이 적절하다고 생각하는 관측 또는 권고 추가
(6) 지방 법원 판사가 사고, 위험 발생 또는 직업병과 관련하여 어떤 사람에 대해 형사 소송을 제기해야 한다는 의견을 가진 경우에는 보고서 복사본을 검사에게도 전달해야 한다.
(7) 다음과 같은 사람은 —
(a) 지방 법원 판사의 소환, 명령 또는 요구에 불응; 또는

(b) 심리위원회의 임무 실행을 막거나 방해
잘못을 저지른 것이며 유죄로 판결된 경우 $2,000 이하의 벌금형에 처해질 수 있다.
(8) (7) (*a*)항에 따른 위반을 범한 사람에 대해 변호하려면 지방 법원 판사의 소환, 명령 또는 요구에 응하지 않은 사실에 대해 합리적으로 해명했음을 입증해야 한다.
(9) 총리는 심리위원회의 보고를 자신이 적합하다고 생각하는 시기와 방법으로 공개할 수 있다.

사고, 위험 발생 등의 통지 및 보고

27. —(1) 총리는 규정에 의해 고용주, 점유자, 등록된 개업의 또는 다른 사람에게 전술한 작업장에 사고, 위험 발생 또는 직업병이 발생한 경우 판무관에게 통지하거나 보고서를 제출할 것을 요구할 수 있다.
(2) (1)항에 따라 만들어진 규정은 다음 대상에 적용할 수 있다. —
(a) 별표 1 에 명시하지 않은 작업장; 그리고
(b) 별표 6에 명시된 직장의 면책 대상자인 사람

제 7 부

안전보건 관리 제도

작업장 안전보건 집행관 및 조정자

28. —(1) 규정된 분류 또는 등급의 작업장 내의 모든 작업장에 작업장 안전보건 집행관 또는 작업장 안전보건 조정자를 임명해야 한다.
(2) 이 섹션의 목적상 총리는 다음 사항을 규정할 수 있다. —
(a) 작업장 안전보건 집행관 및 작업장 안전보건 조정자의 임명 방법;
(b) 작업장 안전보건 집행관 및 작업장 안전보건 조정자의 기능 및 임무; 그리고
(c) 작업장 안전보건 집행관 및 작업장 안전보건 조정자의 권한, 즉 해당하는 경우 이 법에 따라 자신의 기능 및 임무를 수행하기 위해 필요한 집행관 또는 조정자에게 필요한 권한

작업장 안전보건 위원회

29. —(1) 규정된 분류 또는 등급의 작업장 내의 모든 작업장은 작업장 안전보건 위원회를 임명해야 한다.
(2) 모든 작업장 안전보건 위원회는 고용주뿐만 아니라 작업장의 종업원 대표도 참여하도록 구성해야 한다.
(3) 작업장에 대해 임명된 작업장 안전보건 위원회의 기능은 다음과 같다.
(a) 작업장의 인력 안전보건에 영향을 끼치거나 영향을 끼칠 수 있는 검토 환경 유지;
(b) 안전보건 작업 조건을 달성하고 유지관리하는 과정에서 경영진과 종업원 사이의 협력 촉진;
(c) 종업원의 안전보건을 위해 사고 또는 위험 발생 현장에 대한 수시 점검 수행;
(d) 이 법에서 위원회에 대해 규정 또는 부여된 다른 기능 및 임무 실행; 그리고

(e) 규정될 수 있는 다른 기능
(4) 경영진은 위원회가 이 섹션에 따른 위원회의 기능 및 임무를 수행할 목적상 합리적으로 요구할 수 있는 설비 및 보조를 작업장의 안전보건 위원회에 제공해야 한다.
(5) 작업장 안전보건 위원회는 위원회가 이 법에 따른 기능과 임무를 수행하는 데 필요한 권한으로 규정될 수 있는 기능을 가진다.

작업장 안전보건 감사자

30. —(1) 규정된 분류 또는 등급의 작업장 내의 모든 작업장은 작업장 안전보건 감사자를 임명해야 한다.
(2) 작업장에 관하여 임명된 작업장 안전보건 감사자의 기능은 판무관이 결정할 수 있는 방법으로 작업장에서 근무하는 사람의 안전보건 및 복지를 확보하는 차원에서 다음과 같은 사항을 모두 감사해야 한다.
(a) 작업장의 안전보건 관리 시스템;
(b) 작업장 또는 해당 작업장에서 수행되는 작업과 관련된 위험 평가;
(c) 작업장에서 수행되는 작업 공정; 또는
(d) 작업장
(3) 작업장 안전보건 감사자는 감사자가 이 법에 따른 기능과 임무를 수행하는 데 필요한 권한으로 규정될 수 있는 기능을 가진다.
(4) 이 섹션에서 "위험 관리"는 식별된 위험요인에 노출될 확률과 그로 인해 발생하는 부상 또는 질병을 평가하고 위험 통제에 적절한 대책을 결정하는 과정을 의미한다.

안전보건 교육 과정

31. —(1) 총리는 *관보*에 실어 발행한 명령에 의해 규정된 분류 또는 등급의 사람에게 명령에 명시된 교육 과정에 참여하도록 요구할 수 있다.
(2) (1)항에 따라 교육 과정에 참여하도록 요구받은 사람의 고용주는 해당인에게 교육이 필요한 작업을 할 수 있도록 허가하기 전에 전술한 안전보건 교육 과정을 이수하도록 해야 한다.
(3) (1)항에 언급한 안전보건 교육 과정은 공인 교육 제공자가 수행해야 한다.
(4) 어떤 사람이 이 섹션에서 요구한 안전보건 교육 과정을 이수했더라도 판무관은 보충 과정이 필요한 것으로 생각할 경우 해당인에게 또 다른 교육 과정에 참여할 것을 요구하는 서면 지시를 발행할 수 있다.
(3) (2)항을 위반하는 고용주는 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

행동을 위한 판무관의 승인 요구사항

32. 아무도 판무관의 승인을 받지 않고는 제 7 부에서 언급한 공인된 사람으로 행동해서는 안 된다.
(a) 다음 대상에 대해 규정된 검사 또는 시험을 수행하기 위한 공인 검사관 —
(i) 도르래 또는 승강기;
(ii) 승강 기어;
(iii) 승강 장치 또는 승강 기계;
(iv) 증기 보일러;
(v) 증기 저장 탱크;

(vi) 공기 저장 탱크;
(vii) 냉장 설비 압력 저장 탱크;
(viii) 압력 용기; 또는
(ix) 이 법에서 공인 검사관이 검사하거나 시험하도록 요구한 모든 다른 기계
(b) 작업장 안전보건 집행관;
(c) 작업장 안전보건 조정자;
(d) 작업장 안전보건 감사자; 또는
(e) 공인 교육 제공자

승인 신청 및 허가

33. —(1) 공인된 사람으로 행동하기 위한 승인 신청은 다음과 같이 해야 한다.
(a) 판무관이 결정할 수 있는 형식으로;
(b) 판무관이 요구할 수 있는 정보, 명세서 및 문서를 첨부하여; 그리고
(c) 규정된 수수료를 지불하고
(2) (1)항에 따른 신청을 받은 경우, 판무관은 다음과 같이 할 수 있다. —
(a) 무조건 또는 판무관이 적합하다고 생각하는 조건부로 신청받은 승인을 허가; 또는
(b) 신청을 거부
(3) 판무관은 신청자가 다음과 같은 조건을 만족한 것으로 판무관이 판정한 경우를 제외하고 어떤 사람도 공인된 사람으로 승인해서는 안 된다.
(a) 규정된 자격과 규정된 실무 경험을 가지고 있음; 그리고
(b) 관련 공인된 사람의 업무를 수행하도록 위탁하기에 충분한 역량이 있고 모든 다른 면에서 적합하며 적절한 사람
(4) 판무관은 (2)항에 따라 부과한 기존 조건을 언제든지 변경 또는 취소하거나 새로운 조건을 부과할 수 있다.
(5) 어떤 사람을 공인된 사람으로 승인하는 경우, 판무관은 판무관이 명시할 수 있는 기간 동안 해당 계약 조건에 따라 관련 공인된 사람으로 행동하도록 승인하는 인증서를 신청자에게 발급해야 한다.

승인 지속시간

34. —(1) 섹션 35 에 따라 어떤 사람을 공인된 사람으로 승인하는 것은 판무관이 결정할 수 있는 기간 동안 유효하다.
(2) 판무관은 서면으로 신청하고 규정된 수수료를 지불한 경우 공인된 사람의 승인을 갱신할 수 있다.

승인 취소

35. —(1) 판무관은 다음과 같은 경우 어떤 사람을 공인된 사람으로 승인한 것을 정지하거나 취소할 수 있다.
(a) 해당자가 다음과 같은 것으로 판무관이 판정한 경우 —
(i) 사기 또는 사칭에 의해 승인을 받았거나 획득;
(ii) 승인을 허가한 계약 조건을 위반; 또는
(iii) 관련 승인된 사람으로 행동하기에 더 이상 적합하고 적절한 사람이 아님; 또는
(b) 판무관이 정지 또는 취소가 공공의 이익에 부합한다고 생각한 경우
(2) 판무관은 (1)항에 따라 어떤 사람을 공인된 사람으로 승인을 취소하기 전에 다음과 같이 해야 한다. —

(a) 영향을 받은 사람에게 정지 또는 취소하겠다는 의도를 서면으로 통지;
(b) 취소가 발효되는 날짜를 통지 날짜 이후 21 일 이내로 지정; 그리고
(c) 영향을 받은 사람에게 공인된 사람으로서의 승인을 취소해서는 안 된다는 사유를 판무관에게 제시하도록 요구
(3) (2)항에 따라 통지를 부여한 대상자가 다음과 같이 한 경우 —
(a) 대상자에게 부여한 기간 또는 판무관이 허용할 수 있는 연장된 기간 이내에 사유를 제시하지 않은 경우; 또는
(b) 충분한 사유를 제시하지 못한 경우;
판무관은 승인 취소가 발효되는 날짜를 해당자에게 서면으로 통지해야 한다.
(4) 공인된 사람으로서의 승인이 취소된 사람은 (3)항에 명시한 통지를 받은 후 14 일 이내에 해당 결정을 최종 승인하는 총리에게 서면으로 취소해 달라고 항소할 수 있다.

인증서 명도

36. 섹션 35 에 따라 판무관이 인증된 사람으로서의 승인을 취소한 사람은 취소 날짜로부터 7 일 이내에 섹션 33(5)에 따라 발급한 승인 인증서를 명도해야 한다.

직위의 잘못된 가정

37. 어떤 사람도 섹션 33 에 따라 판무관이 승인한 경우를 제외하고 관련 승인된 사람으로 판무관이 승인했다고 주장하거나 암시해서는 안 된다.

제7부에 따른 위반

38. 섹션 32, 36 또는 37을 위반하는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

제 8 부

작업장 안전보건 위원회

작업장 안전보건 위원회 설립

39. —(1) 작업장 안전보건 위원회는 각각 이 섹션에 따라 총리가 임명한 다음과 같은 위원으로 구성해야 한다.
(a) 의장;
(b) 부의장; 및
(c) 최소 10 명 이상 18 명 이하의 다른 위원
(2) 위원회의 의장, 부의장 및 모든 위원은 3 년 이하의 기간 동안 자격이 유지되며 재임명 자격을 가진다.
(3) 총리는 언제든지 위원회의 의장, 부의장 또는 위원의 임명을 취소할 수 있다.
(4) 위원회의 위원이 사망하거나 사임하거나 면직된 경우, 총리는 결원을 채우기 위해 다른 사람을 위원으로 임명할 수 있으며 이렇게 임명된 사람은 결원된 위원의 남은 임기 동안 직위를 유지한다.
(5) 위원회의 권한은 이로 인한 위원의 결원에 영향을 받지 않는다.

위원회의 권한과 소송

40. —(1) 이 법의 조항에 따라 위원회는 자체의 절차를 결정할 수 있다.

(2) 위원회의 회의에서 5 명의 위원이 출석하면 의결 정족수가 된다.
(3) 위원회의 의장 또는 위원장이 결석 시 부의장이 위원회의 모든 회의를 주재하며 부의장도 결석 시에는 출석 위원 중 회의를 주재할 한 명을 선임한다.
(4) 위원회의 부의장은 의장이 내릴 수 있는 지휘에 따라 이 법에 따른 위원회 의장이 행사할 수 있는 모든 권한을 행사한다.
(5) 위원회는 위원회의 견해상 해당 위원회를 통해 더 효율적으로 규제하고 관리할 목적으로, 해당 위원과 다른 사람으로 또는 해당 위원과 다른 사람으로 동시에 구성하는 것이 적당하다고 생각하는 수만큼의 위원을 자체 위원 또는 위원회의 위원이 아닌 다른 사람 중에서 임명할 수 있다.

위원회의 기능

40A. 위원회의 기능은 다음과 같다. —
(a) 직장 안전보건 및 복지와 관련하여 허용할 수 있는 규약 개발 또는 개발 촉진;
(b) 직장 안전보건 및 복지와 관련하여 허용할 수 있는 규약 채택 촉진;
(c) 직장 안전보건 및 복지를 보존, 개선 및 촉진하기 위해 개인 또는 조직에 지원, 보조 또는 조언의 제공하기 위한 또는 그와 관련된 프로그램 및 기타 활동 고안, 구성 및 구현;
(d) 직장 안전보건 및 복지와 관련된 작업장의 역량, 기술 및 전문지식의 개발과 개선 촉진 및 홍보;
(e) 직장 안전보건 및 복지와 관련된 사안 연구;
(f) 직장 안전보건 및 복지와 관련된 학과가 있는 대학교 및 기타 교육 기관에 상이나 장학금 수여, 강의 설치 및 보조금 지급;
(g) 직장 안전보건 및 복지와 관련하여 이 법의 요구사항에 관한 실무 지도 제공; 그리고
(h) 이 법에 따라 수행할 권한이 있거나 수행해야 하는 모든 사항 수행

규약

40B. —(1) 위원회는 직장 안전보건 및 복지와 관련하여 이 법의 요구사항에 관한 실무 지도를 제공할 목적으로 수시로 다음 활동을 전부 또는 일부 수행할 수 있다.
(a) 위원회가 이 목적에 적합한 규약이라고 생각하는 경우 또 다른 성문법에 따라 발령하거나 승인된 규약을 포함할 수 있는 하나 이상의 규약 발령;
(b) 위원회가 이 목적에 적합한 문서라고 생각하는 경우 위원회 이외의 개인 또는 조직이 준비한 문서를 규약으로 승인;
(c) 이 섹션에 따라 발령되거나 승인된 규약 개정 또는 취소
(2) (1) (*a*) 또는 (*b*)에 따라 위원회가 아닌 개인 또는 조직이 준비한 또 다른 성문법이나 문서를 근거로 발령되거나 승인된 규약을 발령하거나 승인하는 위원회의 권한은 해당 규약이나 문서의 일부를 발령하거나 승인하는 권한을 포함한다.
(3) (1)항에 따라 위원회가 규약을 발령, 승인, 개정 또는 취소하는 경우 위원회는 다음과 같이 해야 한다. —
(a) 규약의 발령, 승인, 개정 또는 취소의 적절한 공개를 보호하는 방법으로 해당 규약의 발령, 승인, 개정 또는 취소(해당하는 경우) 통지 발행;
(b) 소절 (*a*)에 언급한 통지에 다음 사항을 명시한다. —

(i) 발령, 승인, 개정 또는 취소(해당할 경우) 날짜;
(ii) 규약을 발령, 승인, 개정 또는 취소하는 위험요인, 활동 또는 물품의 분류; 및
(iii) 통지 주제인 규약을 검사할 수 있는 장소와 시간 또는 인터넷 웹사이트; 그리고
(c) 규약의 효력이 유지되는 범위 내에서 해당 규약 및 해당 규약의 모든 개정판의 복사본을 다음 활동에 사용할 수 있도록 확보 —
(i) 대중 위원이 무료로 검사; 및
(ii) 대중 위원이 합리적인 가격으로 구입
(4) 어떤 규약, 승인된 규약의 개정판 및 해당 승인된 규약의 취소도 (3)항에 따라 관련 통지를 발행할 때까지 강제력 또는 효력을 갖지 않는다.
(5) 위원회가 아닌 개인 또는 조직이 준비한 또 다른 성문법이나 문서에 따라 발령되거나 승인된 규약이기도 한 승인된 규약은 해당 법이나 문서가 이 섹션에 따라 승인된 규약으로 발령되거나 승인된 날짜에 존재하는 내용으로 구성해야 한다.
(6) 승인된 규약의 조항이 이 법의 조항과 일치하지 않는 경우 해당 조항은 불일치 한도까지 —
(a) 이 법의 조항을 적용해야 한다; 또는
(b) 이 법의 조항과 관련하여 효력을 상실한다.
(7) 승인된 규약은 종속 법으로 간주하지 아니한다.

형사 소송에 승인된 규약 사용

40C. —(1) 개인은 승인된 규약을 준수하지 않았다는 이유만으로 형사 소송의 책임을 지지 않는다.
(2) 이 법에 따른 위반에 대한 소송에서 위반을 성립하는 것으로 입증하기 위해 소송이 필요한 사안과 관련된 승인된 규약은 소송의 증거로 허용된다.
(3) 이 법에 따른 위반에 대한 소송에서 다른 증거 방법에 영향을 끼치지 않고 —
(a) 섹션 40B(3)(*a*)에 따라 위원회가 발행한 통지의 복사본이라고 주장하는 문서의 작성은 위반이 입증될 때까지 해당 통지로 본다.
(b) 규약 작성 또는 섹션 40B(3)(*a*)에 따른 통지가 적용된다고 주장하는 규약의 개정이나 취소는 위반이 입증될 때까지 해당 통지가 적용되는 것으로 본다.
(4) 이 법의 조항의 목적상 어떤 기계, 장비, 설비, 장치 또는 물품이 양호한 구성, 건전한 내용, 적정한 강도 또는 일반적으로 안전하고 건전하다고 인정되는 관행의 원칙에 따라 구성되었는지 여부를 결정할 때에는 싱가포르 표준생산성혁신청법의 섹션 7(2)(*h*)에 따라 표준생산성혁신청이 제정 및 발행한 관련 싱가포르 표준 또는 위원회가 인정할 수 있는 다른 표준, 규약 또는 지침을 고려한다.

제 9 부

검사 및 기타 시행 권한

조사관의 권한

41. —(1) 이 법의 실행 목적상 조사관은 다음과 같은 전체 또는 일부 권한을 가진다.
(a) 언제든지 작업장에 진입하여 조사 및 검사;
(b) 다음과 같은 것으로 믿을 만한 합리적 사유가 있는 장소에 합리적인 모든 시기에 진입하여 조사 및 검사 —
(i) 작업장; 또는
(ii) 일부가 작업장인 장소;
(c) 소절 (*a*) 및 (*b*)에서 언급한 장소의 모든 기계, 장비, 설비, 장치 또는 물품의 조사 및 검사;
(d) 이 법에 따라 유지하거나 유지해야 하는 작업장 기록, 인증서, 통지 및 문서 작성 요구, 그리고 이들에 대한 조사, 검사 및 복사본 작성;
(e) 작업장 및 근무하는 사람에 관하여 이 법의 조항을 준수하는지 여부를 확인하기 위해 필요할 수 있는 검사 및 심리 실행;
(f) 작업장에서 발견되는 사람에게 자신이 알고 있는 구체적 사항을 고용주 및 작업장 점유자에게 제공하도록 요구;
(g) 조사관이 등록된 개업의인 경우 작업장에서 근무하고 있거나 근무했던 사람에 대해 이 법에 따른 임무의 목적상 필요할 수 있는 의료 조사 수행;
(h) 분석 또는 시험의 목적상 작업장에서 발견되거나 방출되는 자재나 물질의 샘플 채취;
(i) 작업장의 소음, 조명, 열 또는 유해 물질이나 위험 물질의 수준 및 근무 중인 사람에 대한 노출 수준;
(i) 병원, 의원 또는 영안실에 대해, 작업장에서 근무하고 있거나 근무했던 사람으로서 작업장에서의 사고로 부상하거나 작업장에서 발생한 직업병에 감염된 것으로 의심되고 병원 또는 의원에서 치료를 받고 있는 사람에 대한 정보(의료 기록 포함) 제공 요구
(k) 작업장에서 근무하는 사람의 안전보건에 위험이 있을 수 있어 작업장의 상태 및 작업장에서 수행되는 공정을 기록해야 한다고 생각하는 경우 해당 사진 또는 영상 기록 채록;
(l) 어떤 사람에게 이 법에 따른 조사 또는 심리와 관련된 물품을 생산하도록, 그리고 필요한 경우 해당 물품을 보호하도록 요구;
(m) 작업장에서 발견한 사람에게 개인의 신원에 대한 증거 작성 요구
(2) 작업장에서 발견된 개인은 조사관이 해당 작업장과 관련하여 이 법에 따라 자신의 권한을 행사하는 데 필요한 경우 진입, 검사, 조사, 심리, 샘플 또는 기타 물품 채취에 필요한 모든 보조와 협력을 해야 한다.
(3) 작업장 진입이 불가능한 경우 조사관은 다음과 같이 할 수 있다. —
(a) 작업장으로 인도하는 외부/내부 문 또는 창을 파괴하여 열기;
(b) 해당 작업장 및 작업장의 모든 부분에 강제 진입; 또는
(c) 해당 진입 또는 탐색에 대한 방해물을 강제 제거
(4) 다음과 같은 사람은 — 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.
(a) 조사관이 이 섹션에 따른 조사관의 권한을 행사할 때 방해하거나 지연시킴;

(b) 이 섹션에 따른 조사관의 명령을 준수하지 않거나 이 법에 따라 작성을 요구받은 기록, 인증서, 통지 또는 문서를 작성하지 않음;
(c) 고용주 또는 작업장 점유자에 관한 정보를 제공하지 않음; 또는
(d) 조사관이 조사하기 전 또는 조사하는 중에 사람이 나타나지 않도록 숨기거나 막았거나, 또는 숨기거나 막으려고 시도

샘플 채취 권한

42. —(1) 조사관은 언제든지 작업장 점유자 또는 작업장을 분명히 책임지고 있는 사람에게 통지한 후 분석을 위해 다음 대상에 대한 충분한 샘플을 채취할 수 있다.
(a) 작업장에 사용했거나 사용하기로 예정된 물질;
(b) 작업장에서 발견되고 이 법에 따른 조사 또는 심리의 목적상 필요한 물질;
(c) 이 법에 따라 금지되었으나 작업장에 사용하거나 존재하는 것으로 의심되는 물질; 또는
(d) 작업장에서 발견된 것으로서 조사관의 의견으로 분석 시 작업장에 근무하는 사람에게 인체 부상을 야기할 가능성이 있는 것으로 입증될 가능성이 있거나 입증될 수 있는 물질
(2) 작업장 점유자 또는 작업장을 분명하게 책임지고 있는 사람은 이 섹션에 따라 샘플을 채취할 때, 그리고 필요한 장치를 제공할 때 조사관에게 샘플을 세 부분으로 분할하고, 샘플의 성격상 허용되는 방법으로 각 부분을 표시하거나 숨기거나 고정하고 아래와 같이 하도록 요구할 수 있다. —
(a) 한 부분을 작업장 점유자 또는 작업장을 분명히 책임지고 있는 사람에게 제공;
(b) 한 부분을 향후 비교용으로 보존; 및
(c) 한 부분을 보건과학청(HSA) 또는 판무관이 임명할 수 있는 시험 연구소에 분석용으로 제출
(3) 보건과학청 또는 (2) (*c*)항에 따라 판무관이 임명한 시험 연구소가 채택한 분석에 의해 이 섹션에 따른 샘플의 분석 결과에서 인증된 것으로 주장하는 인증서는 이 법에 따른 소송의 증거가 될 수 있지만 각 소송 당사자는 분석을 수행한 사람을 증인으로 소환하도록 요구할 수 있다.
(4) 아무도 작업장 감시 또는 분석용 샘플 채취에 사용되는 장비, 계측기 또는 장치를 방해하면 안 된다.
(5) 다음과 같은 사람은 — 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.
(a) (4)항을 위반; 또는
(b) 판무관의 허가 없이 이 섹션에 따라 수행한 분석의 결과를 발행하거나 타인에게 공개

출두자를 조사하거나 보호할 권한

43. —(1) 조사관은 다음과 같이 할 수 있다. —
(a) 작업장에서 일어난 사고나 위험 발생 또는 직업병의 사실과 상황 또는 이 법에 따른 사안에 관하여 잘 알 것으로 여겨지는 사람을 구두로 조사 및 조사 대상자가 작성하는 진술서를 축소; 그리고

(b) 싱가포르 한도 내에서 제공된 정보 또는 다른 정보로부터 이 법에 따른 사안의 사실과 상황을 잘 알 것으로 나타난 사람이 조사관 앞에 출두하도록 명령에 의해 서면으로 요구

(2) (1) (*a*)항에 언급한 사람은 어떤 사실이나 상황에 관하여 자신을 범죄 책임, 처벌 또는 벌금에 노출시키는 경향이 있는 진술서의 작성을 거부할 수 있다는 것을 제외하고, 이 법에 따른 산안에 관하여 잘 알고 있는 사실과 상황을 진실하게 진술해야 한다.

(3) 어떤 사람이 이 섹션에 따라 작성한 진술서는 작성자에게 읽어 주고 필요하면 정정한 후 작성자의 서명을 받아야 한다.

(4) 어떤 사람이 (1) (*b*)항에 따라 명령에 의해 요구한 출두에 응하지 않은 경우 조사관은 명령에 의해 요구한 해당인의 출석을 보호하기 위해 영장을 발급할 수 있는 치안 판사에게 비출두 사실을 보고할 수 있다.

조사관의 증인 자격

44. 이 법에 따른 소추가 조사관의 요구로 또는 실행으로 제기된 경우, 조사관이 자신의 요구로 또는 실행으로 소추가 제기된 이 법 위반에 대한 소추의 증인으로 증거를 제시하는 조사관의 자격에 이의를 제기할 수 없다.

보호된 정보를 공개하지 않는 개인

45. —(1) 이 법에 따라 조사관 기능을 행사하는 사람이 다른 사람의 개인사에 관한 보호된 정보를 획득한 경우, 공개가 다음과 같은 경우를 제외하고 해당 보호된 정보를 타인에게 공개하지 않아야 한다. —

(a) 정보와 관련된 사람의 서면 동의를 얻은 경우;

(b) 이 법의 행정 또는 시행을 목적으로 하는 경우; 또는

(c) 법정, 재판소, 당국 또는 문서 작성 또는 질문에 대한 답변을 요구할 수 있는 법적 권한이 있는 개인의 요구에 따른 경우

(2) (1)항을 위반하는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 $10,000 이하의 벌금형 또는 2 년 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

(3) 이 섹션의 목적상 보호된 정보를 공개하는 사람에는 현재 또는 과거의 조사관 자격으로 해당인이 소유하거나 해당인이 통제하는 정보가 포함된 기록, 문서 또는 기타 자료에 접근하도록 허가한 타인도 포함한다.

(4) 이 섹션에서 "보호된 정보"는 거래 비밀을 공개하거나 개인의 적법한 사업과 관련하여 공개할 경우 해당인에게 부정적 영향을 줄 것으로 합리적으로 예상되는 정보를 의미한다.

제 10 부

위반, 벌칙 및 소송

미등록 공장

46. —(1) 아무도 다음과 같은 경우 작업 영역을 공장으로 점유하거나 사용해서는 안 된다.

(a) 규정에서 개인에게 공장의 등록 인증서 또는 규정에 따라 발급한 공장 허가서를 보유하도록 요구한 경우; 그리고
(b) 개인이 유효한 공장 등록 인증서 또는 공장 허가서를 보유하고 있지 않은 경우
(2) (1)항을 위반하는 사람은 잘못을 저지른 것이며 유죄로 판결될 경우 —
(a) $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.
(b) 계속 위반할 경우 $500 이하의 추가 벌금형 또는 7 일 이하의 추가 금고형 또는 매일 또는 유죄판결 후 위반이 계속된 기간 동안 추가 벌금형과 추가 금고형에 모두 처해질 수 있다.

합리적 실행인 것을 제공할 부담

47. 이 법의 조항에 따른 위반에 대한 소송에서 합리적 실행인 사항을 수행할 임무를 준수하지 않은 사람을 변호하려면 다음 사실을 입증해야 한다. —
(a) 임무를 만족하기 위해 실제로 수행한 것 이상을 수행하는 것이 합리적 실행이 아닌 경우; 또는
(b) 임무를 만복하기 위해 실제로 사용한 것보다 더 나은 합리적 수단이 없는 경우

법인체 등에 의한 위반

48. —(1) 이 법에 따른 위반을 법인체가 범한 경우, 법인체의 임원은 잘못을 저지른 것이 되며 다음을 입증한 경우를 제외하고 소송을 당하고 그에 따라 처벌될 책임이 있다. —
(a) 임원의 동의 또는 묵인 없이 위반을 범함; 그리고
(b) 임원이 자신의 능력과 기능의 성격상 행사해야 하는 만큼 그리고 모든 상황에 맞춰 위반을 방지하기 위해 최선을 다함
(2) 법인체의 업무가 그 구성원에 의해 관리되는 경우, (1)항은 구성원이 법인체의 감사인 것처럼 관리하는 기능과 관련된 구성원의 행동 및 불이행에 따라 적용해야 한다.
(3) 이 법에 따른 위반을 개인 또는 법인체의 협력에 의해 범하게 된 경우, 협력자 또는 법인체의 임원은 잘못을 저지른 것이 되며 다음을 입증한 경우를 제외하고 소송을 당하고 그에 따라 처벌될 책임이 있다.
(a) 임원의 동의 또는 묵인 없이 위반을 범함; 그리고
(b) 임원이 자신의 능력과 기능의 성격상 행사해야 하는 만큼 그리고 모든 상황에 맞춰 위반을 방지하기 위해 최선을 다함
(4) 이 법에 따른 위반을 비법인 연합(협력 제외)이 범한 경우, 비법인 연합의 임원 또는 그 관리기구의 구성원은 잘못을 저지른 것이 되며 다음을 입증한 경우를 제외하고 소송을 당하고 그에 따라 처벌될 책임이 있다.
(a) 임원의 동의 또는 묵인 없이 위반을 범함; 그리고
(b) 임원이 자신의 능력과 기능의 성격상 행사해야 하는 만큼 그리고 모든 상황에 맞춰 위반을 방지하기 위해 최선을 다함
(5) 이 섹션에서 —
"법인체"는 유한 책임 협력을 포함한다;
"임원"은 —

(a) 법인체와 관련하여 감사, 협력자, 경영위원회 위원, 경영자, 관리자, 이사 또는 법인체의 기타 유사한 임원을 의미하며 해당 능력으로 행동한다고 주장하는 사람을 포함한다; 그리고
(b) 비법인 연합(협력 제외)과 관련하여 사장, 이사 또는 비법인 연합 위원회 위원 또는 의장, 이사 또는 위원회 위원과 유사한 직위를 가진 사람을 의미하며 해당 능력으로 행동한다고 주장하는 사람을 포함한다.
"협력자"는 협력자로 행동한다고 주장하는 사람을 포함한다.
(6) 총리가 적절하다고 생각하는 수정사항과 더불어 이 섹션의 조항을 적용하기 위해 싱가포르 이외 지역의 법에 따라 결성되거나 인정된 법인체나 비법인 연합에 대해 규정을 제공할 수 있다.

섹션 15(3) 또는 21(7)에 따른 위반으로 기소된 사람 체포

49. —(1) 섹션 15(3) 또는 21(7)에 따른 위반을 범한 것으로 합리적으로 의심되는 사람은 경찰 또는 판무관이 대리인으로 승인한 조사관이 영장 없이 체포하여 치안판사 법원 또는 지방 법원에 기소할 수 있다.
(2) 다른 성문법에도 불구하고 경찰 또는 (1)항에 따라 체포를 수행하고 체포한 사람의 신원, 이름 및 거주 장소에 관하여 확인한 조사관은 해당인을 법정 또는 경찰서에 출두시키는 대신 통지에 지정한 시기와 날짜에 해당인에게 법정 출두를 요구하도록 규정한 통지를 보낼 수 있다.
(3) 경찰 또는 조사관은 체포한 사람의 신원을 확인할 목적으로 해당인이 처벌을 받아야 한다고 생각한 사람의 신원 증거를 요구할 수 있다.
(4) 경찰 또는 조사관은 필요한 경우 (2)항에 따라 제공한 통지의 복사본을 준비하고 작성하여 법정에서 요구할 경우 법정에 제출해야 한다.
(5) (2)항에 따라 제공한 통지에 따라 체포한 사람이 법정에 출두하면, 법정은 기소된 위반을 인지하고 해당자가 (1)항에 따라 출두한 것처럼 심리를 진행해야 한다.
(6) (2)항에 따라 통지를 제공받은 사람이 통지에 따라 법정에 출두하지 않은 경우, 법정은 해당인의 체포 영장을 발부할 수 있다.
(7) (6)항에 따라 발부한 영장에 따라 체포된 사람이 법정에 출두하면, 법정은 해당인이 (1)항에 따라 출두한 것처럼 심리를 진행해야 하며 판결 시 (2)항에 따라 제공한 통지에 따라 출두하지 않은 것에 대해 처벌받지 않아야 할 사유를 제시할 기회를 주어야 한다.
(8) (7)항에 따라 정당한 사유가 제시되지 않으면, 법정은 해당인을 $2,000 이하의 벌금형 또는 2 개월 이하의 금고형에 처할 수 있다.

일반 벌칙

50. 이 법에 벌칙이 명시적으로 제공되지 않은 경우 이 법(규정 제외)을 위반한 사람은 유죄로 판결될 경우 다음과 같이 처벌된다.
(a) 자연인의 경우 $200,000 이하의 벌금형 또는 2 년 이하의 금고형 또는 벌금형과 금고형 모두; 그리고
(b) 법인체의 경우 $500,000 이하의 벌금형 및 유죄 판결 후 계속 위반한 경우 추가로 잘못을 저지른 것이며 다음과 같은 벌금형에 처해진다. —
(i) 자연인의 경우 매일 또는 유죄 판결 후 위반을 계속한 기간 동안 $2,000 이하; 또는

(ii) 법인체의 경우 매일 또는 유죄 판결 후 위반을 계속한 기간 동안 $5,000 이하

반복 위반자에 대한 벌칙

51. 어떤 사람이 다음과 같이 한 경우 —

(a) 인명 사망의 원인이 되는 이 법(규정 제외)에 따른 위반을 이전에 최소 한 번 이상 범함; 그리고

(b) 차후에 타인의 사망의 원인이 된 동일한 위반을 범함

법정은 해당인을 규정된 경우 금고형과 더불어 다음과 같이 처벌할 수 있다.

(i) 자연인의 경우 $400,000 이하의 벌금형, 계속 위반의 경우 매일 또는 유죄 판결 후 위반을 계속한 기간 동안 $2,000 이하의 추가 벌금형; 그리고

(ii) 법인체의 경우 $1,000,000 이하의 벌금형, 계속 위반의 경우 매일 또는 유죄 판결 후 위반을 계속한 기간 동안 $5,000 이하의 추가 벌금형

위반 사유의 개선을 명령하는 법정의 권한

52. —(1) 어떤 사람이 이 법에 따른 위반을 범한 경우 법정은 벌칙 부과와 더불어 또는 벌칙을 부과하는 대신 명령에 지정한 기간 내(또는 법정이 허용할 수 있는 추가 기간 내)에 위반이 발생한 사안을 해결하기 위해 지정한 절차를 수행하도록 명령할 수 있다.

(2) (3)항에 입각하여 (1)항에 따라 명령을 내린 경우, 위반을 범한 사람은 명령에 지정되거나 법정이 위반 발생 사안을 해결하기 위해 허용한 기간 동안 위반 계속에 관하여 이 법에 따른 책임을 지지 않는다.

(3) 위반을 범하고 나서 명령에 지정하거나 (1)항에 따라 법정이 허용한 기간이 만료된 후에도 명령을 이행하지 않은 경우, (1)항에 언급한 사람은 잘못을 저지른 것이며 유죄 판결 시 전술한 위반을 범한 날짜 후 비준수를 계속한 기간 동안 매일 $1,000 이하의 벌금형에 처해질 수 있다.

인증서 위조, 잘못된 진입 및 잘못된 선언

53. 다음과 같은 행동을 한 사람은 — 잘못을 저지른 것이며 유죄로 판결될 경우 $5,000 이하의 벌금형 또는 6 개월 이하의 금고형 또는 벌금형과 금고형에 모두 처해질 수 있다.

(a) 이 법에 의해, 이 법에 따라 또는 이 법의 목적상 요구한 인증서를 위조;

(b) 이 법에 의해, 이 법에 따라 또는 이 법의 목적상 특정 내용이 잘못인 것을 알면서도 인증서를 제공하거나 인증서에 서명;

(c) 이 법에 의해, 이 법에 따라 또는 이 법의 목적상 요구한 인증서가 위조되었거나 잘못인 것을 알면서도 해당 인증서를 언급하거나 사용;

이 법에 의해, 이 법에 따라 또는 이 법의 목적상 요구한 인증서가 적용되지 않는 것을 알면서도 해당 인증서를 타인에게 적용하도록 언급하거나 사용;

(e) 이 법에 의해, 이 법에 따라 또는 이 법의 목적상 요구한 인증서에 명명된 사람으로 사칭;

(f) 조사관으로 가장;

(g) 소절 (*a*)에서 (*f*)에 언급한 사안을 고의로 묵인;

(h) 이 법에 의해, 이 법에 따라 또는 이 법의 목적상 보존, 제공 또는 전송하도록 요구한 기록, 통지, 인증서 또는 문서에 고의로 잘못된 내용 기재;

(i) 이 법에 의해, 이 법에 따라 또는 이 법의 목적상 요구한 잘못된 선언문을 고의로 작성 및 서명; 또는

(j) 소절 (*h*) 또는 (*i*)에 언급한 잘못된 내용이나 선언문을 알면서도 사용

법정의 관할지

54. 형사소송법(Cap. 68)의 반대 조항에도 불구하고, 지방 법원은 이 법에 따른 위반을 심리할 관할권을 가지며 위반에 관한 모든 벌칙이나 처벌을 부과할 권한이 있다.

치안 판사가 위반을 인지할 수 있는 경우

55. 형사소송법 섹션 133 의 목적상, 그리고 그 서브섹션 (1) 및 (2)에도 불구하고 치안 판사는 조사관이 서면으로 작성하여 서명한 소장을 받으면 이 법에 따라 위반을 인지할 수 있다.

위반의 구성

56. —(1) 판무관은 자신의 재량으로 위반을 범한 것으로 합리적으로 의심되는 사람으로부터 위반에 대해 규정된 최대 벌금의 50% 이하인 금액 또는 총액 $5,000 중 더 적은 금액을 징수하여 이 법에 따라 합의 가능한 위반으로 규정된 위반을 합의할 수 있다.

(2) 이 금액을 지불했을 때 해당 위반에 대해서는 해당인에게 더 이상 소송을 제기하지 않아야 한다.

(3) 이 섹션에 따라 징수한 모든 금액은 국고금으로 지불해야 한다.

계약을 변경하는 권한

57. —(1) 작업장, 작업장으로 삼은 영역의 전부 또는 일부의 소유자와 점유자 사이의 계약 사유 때문에 작업장 소유자 또는 점유자가 이 법의 조항을 준수할 수 있도록 하거나 이 법에 의해 또는 이 법에 따라 부과된 표준이나 요구사항을 준수하는 데 필요한 작업 영역의 구조 또는 다른 사항의 변경을 수행하지 못하는 경우, 작업장 소유자 또는 점유자는 계약 조항에 대해 계약 조항의 취소 또는 변경을 고등법원에 신청할 수 있다.

(2) 고등법원은 양 당사자 및 그들이 소환을 원하는 증인의 진술을 청취한 후 법정이 해당 사례의 상황에 정당하고 적합하다고 생각하는 대로 계약 조항을 무효화하거나 변경하는 명령을 내릴 수 있다.

비용 배분 권한

58. —(1) 작업 영역에서 이 법의 조항을 준수하거나 이 법에 의해 또는 이 법에 따라 부과된 표준이나 요구사항을 준수하기 위해 작업장으로 삼은 부분의 전부 또는 일부의 구조 또는 다른 사항을 변경해야 하는데 작업장의 소유자 또는 점유자가 변경 비용의 전부 또는 일부를 작업장 소유자 또는 점유자가 지출해야 한다고 주장하는 경우, 작업장 소유자 또는 점유자는 둘 사이에 배분되는 비용의 배분을 고등법원에 신청할 수 있다.

(2) 고등법원은 양 당사자 및 양 당사자가 소환을 원하는 증인의 진술을 청취한 후 양 당사자 사이의 계약 조건에 따라 법원이 상황에 맞는다고 생각하는 대로 비용 배분에 관한 명령을 내릴 수 있으며, 또는 그 대안으로 작업장 소유자와 점유자가 요청할 경우 임대를 결정할 수 있다.

제 11 부

일반 사항

다른 법과의 관계

59. 이 법 또는 승인된 규약의 어떤 조항도 당시 시행되고 있다는 다른 성문법의 효력을 손상시키지 않는다.

민사 책임

60. —(1) 이 법의 어떤 조항도 다음과 같이 해석해서는 안 된다. —

(a) 행동에 의해서든 또는 태만에 의해서든 이 법의 조항 위반에 관한 민사 소송에서 소권을 부여하는 것으로; 또는

(b) 민사 소송의 소송에 대한 변호를 해주거나 또는 민사 소송의 소권에 다른 방법으로 영향을 끼치는 것으로

(2) (1)항은 어느 성문법에서든 부과한 임무 위반에 대해 소송할 수 있는 한도(있는 경우)까지 영향을 끼치지 않는다.

개인 책임으로부터 보호

61. —(1) 어떤 형사 소송, 민사 소송 또는 기타 법적 소송도 다음 대상자를 상대로 — (2)항에 명시한 항목에 대해 규정된 조사 또는 시험을 성실하게 수행하는 과정에서 해당 항목에 끼친 손해에 대해 개인적으로 소송을 제기할 수 없다.

(a) 판무관;

(b) 대리 판무관;

(c) 조사관; 또는

(d) 공인 검사관

(2) (1)항은 다음과 같은 항목에 관해서만 적용된다.

(a) 도르래 또는 승강기;

(b) 승강 기어;

(c) 승강 장치 또는 승강 기계;

(d) 증기 보일러;

(e) 증기 저장 탱크;

(f) 공기 저장 탱크;

(g) 냉장 설비 압력 저장 탱크;

(h) 압력 용기; 또는

(i) 이 법에서 공인 검사관이 검사하거나 시험하도록 요구한 모든 다른 기계

(3) 어떤 형사 소송, 민사 소송 또는 기타 법적 소송도 섹션 21 에 따른 임무 또는 기능의 성능 또는 주장된 성능의 과정에서 또는 그와 관련하여 성실히 수행해야 할 사항을 수행하거나 수행하지 않은 사실에 대해 판무관 또는 대리 판무관을 상대로 개인적으로 제기할 수 없다.

면책 근로자, 작업장 및 장비 등의

62. —(1) 이 법의 조항은 별표 6 에 명시한 대로 근무 중인 사람에게는 해당 작업이 별표 1 에 명시한 작업장에서 수행 또는 실행되었더라도 적용되지 않는다.

(2) 총리는 *관보*에 실어 발행한 명령에 의해 조건부로 또는 조건없이 다음 대상을 면제할 수 있다. —

(a) 임의 분류 또는 등급의 작업장을 이 법의 모든 또는 일부 조항으로부터;

(b) 임의 분류 또는 등급의 개인을 이 법의 모든 또는 일부 조항 준수로부터; 또는

(c) 임의 분류 또는 등급의 기계, 장비, 설비, 장치 또는 물품을 이 법의 모든 또는 일부 조항으로부터
(3) 판무관은 총리의 일반 또는 특별 지시에 따라 서면 인증서에 의해 조건부로 또는 조건없이 다음 대상을 면제할 수 있다.
(a) 인증서에 명시적으로 식별된 기계, 장비, 설비, 장치 또는 물품을 이 법의 모든 또는 일부 조항으로부터; 또는
(b) 인증서에 명시적으로 식별된 개인을 이 법의 모든 또는 일부 조항 준수로부터
(4) 이 섹션에 따라 조건부로 면제가 부여된 경우 해당 면제는 조건이 충족된 경우에만 작용한다.

문서 서비스 등

63. —(1) 이 법에 따라 제공하도록 요구되거나 승인된 문서(소환장 또는 명령서 포함)는 다음과 같이 제공될 수 있다.
(a) 개인에게 직접 배달하거나 해당인의 거주지에 맡기거나 등기 우편으로 해당인의 거주지에 송신하여;
(b) 회사에 대해, 회사의 협력자에게 직접 배달하거나 회사 사무실에 맡기거나 등기 우편으로 회사 사무실에 송신하여; 또는
(c) 작업 영역 소유자, 장비 소유자 또는 작업장 점유자(회사법(Cap. 50)에 따라 등록된 회사인 작업장의 소유자 또는 점유자, 또는 협동조합법(Cap. 62)에 따라 등록된 협동조합 포함)에게 전술한 방법으로 작업장의 관리자, 감독 또는 기타 책임자에게 원본을 직접 배달하여
(2) 해당 문서를 작업장 점유자에 대한 서비스의 목적상 추가 이름이나 설명 없이 적절한 작업장 우편 주소의 "작업장 점유자" 앞으로 우송할 수 있다.
(3) (1) 및 (2)항은 필요한 변경을 포함하여 이 법에 따라 개인, 회사, 작업장 소유자 또는 점유자에게 보내도록 요구되거나 승인된 문서 및 해당 문서의 송신, 우송 및 배달에 적용된다.

별표 개정

64. —(1) 섹션 2(2) 및 이 섹션에 따라 총리는 *관보*에 실어 발행한 명령에 의해 별표를 개정할 수 있다.
(2) 총리는 필요 시 또는 합당한 경우 해당 임시, 부수적 및 필연적 조항을 (1)항에 준하는 명령에 규정할 수 있다.
(3) (1)항에 따라 내려진 모든 명령은 *관보*에 실어 발행된 후 가능하면 일찍 의회에 상정해야 한다.

규정

65. —(1) 총리는 이 법의 목적 및 조항을 수행하기 위해 규정을 제정할 수 있다.
(2) (1)항의 일반성을 침해하지 않고, 총리는 다음의 모든 또는 일부 사안을 위한 또는 그에 관한 규정을 제정할 수 있다.
(a) 다음을 포함한 공장의 등록과 관련된 사안 —
(i) 등록이 요구되는 분류 또는 등급의 공장;
(ii) 등록 신청 형식 및 방법;
(iii) 등록 조건;
(iv) 등록 신청을 허가하거나 거부할 수 있는 상황;
(v) 공장 등록 인증서 또는 인증서를 대신하는 공장 허가서 발급;

(vi) 등록 인증서 또는 공장 허가서의 지속기간;
(vii) 공장으로 등록된 작업 영역에 대해 또는 공장 허가서를 발급한 작업 영역에 관하여 판무관이 보존할 등록서의 양식, 보관 및 유지관리;
(viii) 등록 인증서 또는 공장 허가서를 갱신, 연장 또는 취소할 수 있는 상황;
(ix) 공장 점유자에 대해 공장과 관련된 사안의 변경에 관한 정보를 판무관에게 제공해야 하는 임무 부과;
(x) 공장 등록 또는 공장 허가서 발급에 관하여 총리에게 항소 제기;
(b) 작업장의 조명, 환기, 온도, 습도, 복사 난방, 소음, 배수 및 위생, 그리고 이들을 위한 표준 정착;
(c) 작업장의 응급 구조 자원 제공 및 응급 구조 요원 임명
(d) 작업장에서 화재 발생 시 요구되는 절차 및 자원;
(e) 작업장의 공기에서 불순물을 제거하고 작업장의 과도한 열 및 소음을 줄이는 데 필요한 수단(있는 경우);
(f) 고체, 액체, 기체 또는 증기를 막론하고 유독성 또는 유해 물질의 허용 노출 레벨, 통제 및 폐기;
(g) 유해 생물 및 생체 유해 물질 처리, 보관 및 폐기;
(h) 위험 기계 또는 장비 사용 및 통제, 그리고 사용 시의 안전 대책 및 안전 조치;
(i) 근무 시 사용하기 위해 제공하는 의류 및 기구의 종류;
(j) 도르래나 승강기, 승강 기어, 승강 장치 및 승강 기계, 증기 보일러, 증기 저장 탱크, 공기 저장 탱크, 냉장 설비 압력 저장 탱크 또는 다른 기계 —
(i) 사용할 수 있는 조건 및 해당 사용과 관련된 안전 요구사항;
(ii) 시공, 사용 또는 유지보수;
(iii) 운용 또는 책임지고 통제할 수 있는 사람에 대한 역량 인증서 발급;
(iv) 그에 대해 수행해야 하는 검사 또는 시험;
(v) 안전한 작동 상태를 확보하기 위해 검사하거나 시험할 수 있는 사람;
(vi) 검사 또는 시험을 수행하는 방법;
(vii) 검사 또는 시험 빈도;
(viii) 해당 검사 또는 시험의 인증서 또는 보고서 양식, 보관 및 유지관리;
(ix) 해당 검사 또는 시험을 수행하는 승인된 사람에 대한 임무; 그리고
(x) 안전한 운용 또는 근무하는 사람의 안전을 확보하기 위해 개인에 대한 임무 부과;
(k) 이 법에 따라 수행한 사안이나 일 또는 발급한 문서에 관하여 지불해야 할 수수료;
(l) 내연기관을 책임지거나 운용하는 사람에 대한 역량 인증서 발급;
(m) 증기 보일러 또는 내연기관을 책임지거나 운용하는 사람에게 발급할 역량 인증서에 대한 검사의 성격, 검사관 위원회 구성, 역량 인증서 양식, 그리고 해당 검사 및 인증서에 대해 지불해야 할 수수료;
(n) 이 법에 따라 안전보건 교육 과정을 이수하도록 요구된 사람에 대해 해당 교육 과정을 수행할 공인 교육 제공자 인가, 교육 제공자를 인가하는 체계 제정 및 해당 체계하에서 공인 교육 제공자가 지불해야 할 수수료;
(o) 사용할 수 있는 가스 설비의 성격;
(p) 모든 또는 일부 가스 설비에 사용할 수 있는 고정구나 배관의 종류;

(q) 가스 설비에 대한 검사;
(r) 작업장에서 사용되는 제조시설, 기계, 장비, 장치, 설비, 물품 또는 공정 또는 작업장에서 수행되는 작업이 위험을 수반하는 경우 인체 부상 또는 건강 위해 위험의 예방 또는 최소화;
(s) 의료 감독 및 의료 검사(예방 성격의 의료 치료 제외)를 위해 수행하고 근무하는 개인 또는 인원 분류에 대해 위험 노출을 제거하기 위한 협정;
(t) 다음 작업 종류에 관한 안전보건 및 복지:
(i) 거래 또는 업무를 통해, 또는 산업 또는 상업적 사업 목적상 수행되는 건축 작업;
(ii) 거래 또는 업무를 통해, 또는 산업 또는 상업적 사업 목적상 수행되는 토목 시공 작업;
(iii) 건축 작업 또는 토목 시공 작업의 설계 및 관리;
(iv) 살충제 사용 또는 살충제에 대한 노출을 수반하는 작업;
(v) 도로 유지보수 및 수리;
(vi) 건축 보수 작업;
(vii) 승강기 유지보수 및 수리;
(viii) 좁은 공간에서의 작업;
(ix) 시각적 전지 장치의 사용이 수반되는 작업;
(x) 스팀 보일러, 증기 저장 탱크 또는 공기 저장탱크를 수반하는 작업; 그리고
(xi) 다음과 같은 기타 공정, 작업 또는 조작 —
(A) 근무 중인 사람의 신체 부상 위험을 야기하는 성격이 있음; 또는
(B) 근무 중인 사람에게 건강 위험요인을 노출함;
(u) 점유자, 고용주 또는 위험 평가 또는 안전보건 협정의 수행과 관련된 다른 사람의 위험 평가 또는 안전보건 협정 및 임무 수행;
(v) 안전보건 관리 시스템 및 점유자, 고용주 또는 안전보건 관리 시스템의 구현과 관련된 다른 사람의 임무 구현;
(va) 위원회와 관련하여 공무원이 아닌 위원회 위원에게 허용되는 지급;
(w) 이 법에 따라 요구되거나 규정하도록 허가된 사항 규정
(3) 이 섹션에 따라 제정한 규정은 해당 규정의 조항 위반에 관한 사항을 규정할 수 있으며 유죄로 판결될 경우 해당 위반에 대해 $20,000 이하의 벌금형 또는 2 년 이하의 금고형에 처해질 수 있음을 규정할 수 있다.
(4) 규정은 점유자, 소유자, 고용주, 제조자, 설계자 또는 고용된 사람을 포함하여 작업장 안전보건의 어떤 측면을 통제하거나 해당 측면에 영향을 끼치는 사람에 대한 임무를 부과할 수 있다.
(5) (2) (*r*)항에 따라 제정된 규정은 다른 사항 중에서도 다음을 규정할 수 있다. —
(a) 제조시설, 기계, 설비, 작업 공정 또는 설명과 관련하여 근무 중인 사람의 고용, 또는 고용 시간 변경이나 제한을 금지;
(b) 자재 또는 공정 사용의 금지, 제한 또는 통제;
(c) 근무 중인 사람이 제기하거나 들어올리거나 운반하거나 이동할 수 있는 최대 중량 기술;
(d) 기계 또는 설비를 사용하여 근무 중인 사람의 자격과 최소 연령 및 해당인이 받아야 하는 교육 규정; 그리고

(e) 먼저 수행해야만 작업을 수행할 수 있는 절차 규정
(6) (2) (*s*)항에 따라 제정한 규정은 다음과 같이 할 수 있다. —
(a) 규정에 따라 판무관을 통해 등록된 사람이 수행해야 할 의료 감독 및 의료 검사를 요구; 그리고
(b) 해당 등록을 위해 만족해야 할 자격 및 기타 조건 규정
(7) (2) (*t*)항에 따라 제정한 규정은 다음과 같이 할 수 있다. —
(a) 이 법의 조항을 해당 항에 언급한 작업 영역, 공정 또는 작업에 적용;
(b) 개발자, 계약자, 건축가 또는 엔지니어를 포함하여 해당 항에 언급한 종류의 작업에 참여하는 사람에 대해 임무 부과;
(c) 해당 항에 언급한 종류의 작업에 참여하는 사람의 자격 및 해당인이 받아야 할 교육 규정
(8) 이 섹션에 따라 제정된 모든 규정은 *관보*에 실어 발행된 후 가능하면 일찍 의회에 상정해야 한다.

유보 및 임시 조항

66. —(1) 2006 년 3 월 1 일 직전에 수석 조사관인 사람은 이 법의 섹션 7(1)에 따라 임명한 작업장 안전보건 판무관인 것으로 간주하되, 이 법이 법규화되지 않은 경우 해당 판무관의 임기는 수석 판무관 임기 만료 날짜에 만료된다.
(2) 2006 년 3 월 1 일 직전에 취소된 법의 섹션 84(1)에 따라 임명된 조사관 또는 집행관인 사람은 이 법의 섹션 7(3)에 따라 임명된 것처럼 직위를 계속 유지한다.
(3) 2006 년 3 월 1 일 직전에 다음 직위였던 모든 사람은
(a) 취소된 법의 섹션 71 에 따른 안전 집행관; 또는
(b) 취소된 법의 섹션 71A 에 따른 안전 조정자
이 법의 섹션 28 에 따라 작업장 안전보건 집행관 또는 작업장 안전보건 조정자로 임명된 것처럼 임기가 계속되며 이 법이 법규화되지 않은 경우 이들의 임기는 임기 만료 날짜에 만료된다.
(4) 2006 년 3 월 1 일 직전에 취소된 법의 섹션 72 에 따라 설립된 모든 안전 위원회는 이 법의 조항에 따라 이 법의 섹션 29 에 따라 설립된 작업장 안전보건 위원회인 것으로 간주한다.
(5) 2006 년 3 월 1 일 직전에 취소된 법의 섹션 71B 에 따라 승인된 감사자인 모든 사람은 이 법의 섹션 30 에 따라 작업장 안전보건 감사자로 임명된 것처럼 임기가 계속되며, 이 법이 법규화되지 않은 경우 그의 임기는 임기 만료 날짜에 만료된다.
(5) 2006 년 3 월 1 일 직전에 취소된 법에 따라 수석 의 섹션 71B 에 따라 수석 조사관이 승인한 승인된 사람 또는 승인된 보일러 검사자인 모든 사람은 이 법의 섹션 33 에 따른 공인 검사관인 것처럼 임기가 계속되며, 이 법이 법규화되지 않은 경우 그의 임기는 임기 만료 날짜에 만료된다.
(7) 취소된 법 또는 취소된 법의 보조 법률에 따라 작성, 허가 또는 승인된 허가서, 인증서 또는 보고서는 이 법의 조항과 모순되지 않는 경우, 그리고 이 법 또는 다른 성문법에 명시적으로 달리 제공된 경우를 제외하고 효력이 계속되며 이 법의 해당 조항에 따라 작성, 허가 또는 승인된 것으로 간주한다.
(8) 2006 년 3 월 1 일 직전에 취소된 법의 조항에 따라 승인 받기 위해 제출했는데 해당 신청이 전술한 날짜 전에 승인되지 않은 신청서 또는 다른

문서는 적용 가능한 경우 이 법의 해당 조항에 따라 승인 받기 위해 제출된 신청서 또는 문서인 것으로 간주한다.
(9) 취소된 법의 섹션 50 에 따라 총리에게 항소를 제기했는데 해당 항소가 2006 년 3 월 1 일 직전에 처리되지 않았거나 폐기된 경우, 이 법이 법규화되지 않은 경우 해당 항소는 취소된 섹션에 따라 처리될 수 있다.
(10) 이 법은 다음 대상에 영향을 끼치지 않는다. —
(a) 2006 년 3 월 1 일 전에 취소된 법의 제 5 부(Part V)에 따라 개시되거나 보류 중인 모든 조사 또는 심리, 그리고 이러한 모든 조사 또는 심리는 이 법이 법규화되지 않은 날짜 이후에도 계속될 수 있으며 그와 관련한 모든 사항은 모든 면에서 수행될 수 있다.
(b) 2006 년 3 월 1 일 전에 취소된 법에 따라 이루어진 수석 조사관 또는 총리의 명령, 지시 또는 결정의 운용 또는 효력 지속; 그리고
(c) 해당 명령, 지시 또는 결정에 관하여 2006 년 3 월 1 일 전에 발생한 항소에 대한 권한
2006 년 3 월 1 일 직전에 취소된 법에 따라 등록된 공장은 이 법의 조항에 따라 등록된 것으로 간주한다.
(12) 다음과 같은 승인, 통지, 지시, 명령, 요구사항 또는 면제는 —
(a) 취소된 법에 따라 제공, 발급 또는 작성됨; 그리고
(b) 2006 년 3 월 1 일 직전에 효력이 있음
이 법에서 달리 제공한 경우를 제외하고 이 법의 해당 조항의 목적상 유효하다.
(13) 취소된 법의 어떤 조항에 지정된 기간이 2006 년 3 월 1 일 직전에 현재인 경우, 이 법은 해당 기간이 시작되었을 때 이 법의 해당 조항이 유효한 것처럼 효력을 가진다. 그리고 (전술한 전제를 침해하지 않고)명시되고 현재인 기간은 이 법의 목적상 다음과 같은 것으로 간주한다. —
(a) 해당 날짜 직전에 거행되던 날짜 또는 행사부터 거행; 그리고
(b) 이 법이 법규화되지 않은 경우에 만료되는 경우에는 언제나 만료(연장에 대해서는 이 법의 조항에 따름)
그리고 전술한 기간의 시작, 지속시간 또는 종료에 의존하는 권리, 우선순위, 책임, 보상, 의무, 요구사항, 권한, 임무 또는 면제는 이 법에서도 취소된 법의 조항과 마찬가지로 인정된다.
(14) 취소된 법에 따라 제정되고 2006 년 3 월 1 일 직전에 유효하던 보조 법률은 이 법의 조항과 일치하지 않으면 철회되거나 취소될 때까지 이 법에 따라 제정된 것처럼 공장에서 계속 유효하다.
(15) 취소된 법 또는 취소된 법의 조항을 언급한 성문법 또는 문서는 효력을 보존할 필요가 있으면 가능한 경우 이 법 또는 이 법의 해당 조항을 인용한 것으로 해석된다.
(16) 2006 년 3 월 1 일 이후 2 년의 기간 동안 총리는 필요하거나 합당하다고 생각할 경우 취소된 법의 취소로 발생한 기타 임시, 부수적 및 필연적 사안을 규정에 의해 규정할 수 있다.

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별표 1

섹션 2(1) 또는 (2), 27(2) 및 62(1)

행동해야 하는 작업장

1. 공장 점유자가 책임, 관리 또는 통제권을 가지고 있는 공장에 근접한 작업 영역을 포함한 모든 공장
2. 항공기의 승무원 이외의 사람이 다음과 같은 작업을 수행하는 항공기 내의 작업 영역
(a) 항공기 또는 항공기의 내용물 검사 또는 조사; 또는
(b) 항공기의 청소, 화물 적재, 하역 또는 재급유
3. 다음과 같은 작업이 수행되는 항구의 선박
(a) 선박의 보일러(연소실 및 연실 포함) 물때 벗기기, 오물 제거 또는 청소;
(b) 선박의 탱크, 만곡부 또는 선창 청소; 또는
(c) 시공, 재시공, 수리, 고정, 기구 설치 또는 분해
4. 선박의 승무원이 아닌 사람에 의해 선박의 화물 적재, 하역 또는 연료 주입이 수행되는 도크, 부두 또는 선창
5. 고속 교통 시스템법(Cap. 263A)에 철로로 표현되고 철로 검사, 시험 또는 유지보수가 수행되는 작업 영역
6. 증기 보일러, 증기 저장 탱크 또는 공기 저장 탱크가 사용되는 작업 영역(가내 작업 영역 제외)
7. 물품에 대한 시험, 검사 또는 분석이 수행되는 실험실 또는 기타 작업 영역
8. 선박 승무원 이외의 사람에 의해 선박 또는 그 내용물에 대한 조사나 검사가 수행되는 선박
9. 터널, 교량 또는 고가교에 대한 조사나 검사가 수행되는 터널, 교량 또는 고가교
10. 호텔, 하숙, 기숙사, 호텔식 아파트, 샬레(스위스 지방의 농가), 캠핑장 또는 거래를 통해 또는 이득을 목적으로 단기 체류 숙박을 제공하는 기타 영역
11. 음식점, 바, 간이 식당 또는 지역 내 또는 다른 곳에서 소비할 식품이나 음료를 판매하거나 제공하는 기타 영역
12. 병원, 간호 시설, 요양원 또는 의료 또는 치과 치료 영역 또는 간호 및 사회 복귀 서비스를 제공하는 기타 영역
13. 다음과 같은 서비스를 제공하는 수의 센터:
(a) 진단 목적으로 수행되는 시험을 포함하여 동물이나 조류의 질병 및 부상 진단;
(b) 동물 또는 조류의 치료, 백신 접종 또는 접종
14. 조경 또는 정원 유지관리가 수행되는 작업 영역
15. 물 수집, 정화 또는 분배가 수행되는 작업 영역
16. 하수 또는 쓰레기의 폐기 또는 처리가 수행되는 작업 영역
17. 금속 또는 비금속 쓰레기나 폐기물의 재활용이 수행되는 작업 영역
18. 다음과 같은 작업이 거래를 통해 또는 이득을 목적으로 수행되거나 다른 사업으로 인해 우연히 수행되는 작업 영역
(a) 화물 전달, 포장 또는 크레이트 포장 서비스;
(b) 화물 검사 서비스;

(c) 컨테이너 서비스; 또는
(d) 크레인 서비스

[S72/2007]

별표 2

섹션 4(1)

위험 발생

1. 기계적 동력에 의해 움직이는 회전 용기, 바퀴, 맷돌 또는 회전 숫돌의 파열
2. 사람 또는 상품을 오르내리는 데 사용하는 크레인, 기중기, 권양기(winch), 승강기, 파일링 프레임(piling frame) 또는 기타 기구 또는 그 로드 베어링 부분의 붕괴 또는 고장, 또는 크레인의 오버튜닝(overturning)
3. 사람이 근무 중인 방 또는 장소의 구조물 또는 그 안에 들어 있는 기계나 설비의 폭발 또는 화재로 인한 손상, 그리고 폭발 또는 화재가 먼지, 가스 또는 증기 점화, 또는 셀룰로이드 또는 전체 또는 일부가 셀룰로이드로 구성된 물질의 점화로 인해 발생한 경우 방 또는 장소에서의 일상 작업 완전 중단 또는 5 시간 이내의 기계 또는 설비 정지
4. 폭발이나 화재가 유입되거나 그에 따라 구조 손상이 야기되거나 5 시간 이내의 정지 또는 사용불가 상태가 수반되는 전기 기계, 설비 또는 장치의 전기적 단락 또는 고장
5. 사람이 근무하는 방에 영향을 끼치고 그로 인해 24 시간 이하 동안 방 안에서의 일상 작업이 완전 중단되는 폭발이나 화재
6. 증기 보일러의 구조, 증기 저장 탱크 또는 대기 압력보다 높은 압력의 가스(공기 포함)나 가스 압축으로 형성된 액체 또는 고체를 저장하는 데 사용되는 용기의 폭발이나 고장
7. 거푸집 공사 또는 그 지지물의 고장이나 붕괴
8. 높이 15 미터를 초과하는 비계 또는 사람이 2m 이상 높이에서 떨어질 수 있는 현수 비계 또는 매달려 있는 비계의 일부 또는 전부 붕괴
9. 건식 도크 또는 부유 도크에 갑자기 해수가 삼출 또는 유입되어 야기된 건식 도크 또는 부유 도크 범람

별표 3

섹션 4(1)

직업병

1. 아닐린 중독
2. 탄저병

3. 비소 중독
4. 석면증
5. 압력손상
6. 베릴륨 중독
7. 면폐증
8. 카드뮴 중독
9. 카르바메이트 중독
10. 탄소 이황화합물 중독
11. 크롬 궤양
12. 만성 벤젠 중독
13. 압축공기 질환
14. 청산가리 중독
15. 상피종 궤양(타르, 피치, 역청, 광유 또는 파라핀 또는 전술한 물질의 화합물, 산물 또는 잔류물로 인한)
16. 황화수소나트륨 중독
17. 직업성 피부 질환
18. 납 중독
19. 간 혈관육종
20. 망간 중독
21. 수은 중독
22. 중피종
23. 소음성 난청
24. 직업성 천식
25. 유기인산염 중독
26. 3 가 인 중독
27. 탄화수소 화합물의 할로겐 유도로 인한 중독
28. 상지의 반복사용 긴장성 장애
29. 규폐증
30. 중독성 빈혈
31. 독성 간염

별표 4

섹션 4(1)

토목 시공 작업

1. 철로 또는 대피선 시공
2. 도크, 항만, 내륙 항해, 터널, 교량, 고가교, 상수도, 저수지, 파이프라인, 수로, 하수관, 하수도 또는 가스통 시공, 구조 변경 또는 수리(수정 조사(re-pointing) 및 재도장 포함) 또는 파괴
3. 다음 대상의 시공, 가설, 구조 변경, 검사, 유지보수, 수리, 파괴 또는 제거 —
(a) 물, 가스 또는 기타 물질 수송용 파이프라인

(b) 가내 작업영역에 위치한 열린 배수를 제외한 배수구(열렸는지 또는 덮였는지와 상관없이)
(c) 지하 전기 케이블 및 통신 케이블
4. 파이프라인 또는 지하 전기 케이블 및 통신 케이블에 접근을 제공하는 맨홀, 구덩이, 검사실, 밸브실 및 기타 유사한 좁은 구조물의 검사, 수리 또는 유지보수
5. 도로 또는 주차장 시공
6. 토지 개간

별표 5

섹션 16(9) 및 17(7)

기계, 장비 또는 위험 물질

제 1 부

기계 및 장비

1. 비계 및 비계를 세우는 데 사용되는 자재 또는 구성품
2. 모든 승강 장비
3. 포크리프트
4. 동력 프레스
5. 절곡기
6. 모든 법정 압력 용기를 포함하여 압력을 받아 작동하게 되어 있는 장비 또는 배관
7. 부식성, 독성 또는 인화성 물질을 저장하기 위한 장비 또는 배관
8. 사용 가능하게 만들기 위한 부속품, 장치 또는 고정구를 포함한 용접 장비
9. 지지 구조물 시공에 사용되는 자재 또는 구성품
10. 폭발성 전동 공구
11. 사용 및 작동이 가능하게 만들기 위해 필요한 부속품, 장치 또는 고정구를 포함하여 분사 연마에 사용되는 장비

제 2 부

위험 물질

1. 부식성 물질
2. 인화성 물질
3. 폭발물
4. 산화 물질
5. 자연 발화성 물질
6. 압축 가스
7. 유기 과산화물

8. 자기 발열 물질
9. 자체 반응성 물질
10. 물과 접촉하면 인화성 가스를 발산하는 물질
11. 독성 물질
12. 돌연변이 유도물
13. 발암 물질
14. 최기 물질
15. 감광제
16. 자극제
17. 수생 환경에 위험한 물질

별표 6

섹션 27(2) 및 62(1)

직장의 면책 대상자

1. 재임 중인 싱가포르 경찰(특수 경찰대 포함), 싱가포르 교도소, 국내 안전보안부, 중앙마약단속국, 싱가포르군, 싱가포르 민방위대 및 출입국 사무소 구성원
2. 승무원 자신 또는 선박, 항공기 또는 기타 국제 운송 방법의 기타 승무원 이외인 자의 보건안전에 위험을 노출하지 않는 선박, 항공기 또는 기타 국제 운송 방법에서 작업 중인 승무원

입법 이력
2006 년도 Act 7 – 2006 년도 작업장 안전보건법

최초 독회	:	2005 년 10 월 17 일 (2005 년 10 월 18 일 발행된 증서 번호 36/2005)
2 차 및 3 차 독회 날짜	:	2006 년 1 월 17 일
공포	:	2006 년 3 월 1 일

참고: 2006 년도 작업장 안전보건법의 제정으로 공장법(1998 년 개정판, 104 장)은 취소되었다.

비교표

작업장 안전보건법(2006 년도 Act 7)의 다음 조항은 본 2007 년 개정판에서 법 개정 판무관이 번호를 변경하였다.
이 비교표는 사용자의 편의를 위해 제공되며, 작업장 안전보건법의 일부가 아니다.

2007 년판	2006 년도 Act7
생략	66
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생략	68

WORKPLACE SAFETY AND HEALTH ACT

PART I

PRELIMINARY

Short title

1. This Act may be cited as the Workplace Safety and Health Act.

Application of Act

2. —(1) Except as otherwise expressly provided in this Act (but not the regulations), the provisions of this Act shall apply to workplaces within the class or description of workplaces specified in the First Schedule.

(2) The Minister may, by order published in the *Gazette*, add to the class or description of workplaces specified in the First Schedule, and may prescribe in the order such transitional provisions as may be necessary or expedient.

(3) Every order made under subsection (2) shall be presented to Parliament as soon as possible after publication in the *Gazette*.

Application of Act to Government

3. —(1) Except as provided in subsection (2), this Act shall bind the Government and shall apply to —

(a) any workplace wholly or partly owned or occupied by the Government; and

(b) any premises in which any building operation or any work of engineering construction is carried on by or on behalf of the Government.

(2) Nothing in this Act shall render the Government liable to prosecution for an offence.

(3) For the avoidance of doubt, no person shall be immune from prosecution for any offence under this Act by reason that the person is engaged to provide services to the Government.

PART II

INTERPRETATION

General interpretation

4. —(1) In this Act, unless the context otherwise requires —

"accredited training provider" means a training provider accredited by the Commissioner to provide safety and health training courses for the purposes of section 31;

"air receiver" means —

(a) any vessel (other than a pipe or coil or an accessory, a fitting or part of a compressor) for containing compressed air and connected with an air compressing plant;

(b) any fixed vessel for containing compressed air and used for the purpose of starting an internal combustion engine;

(c) any blast air bottle; or

(d) any vessel in which any substance in the form of solid or liquid is stored and from which it is forced by compressed air;

"approved code of practice" means any code of practice issued or approved under section 40B, and includes any such code of practice as amended from time to time under that section;

"at work" means —

(a) in relation to an employee, all times when the employee is performing work in connection with any trade, business, profession or undertaking carried on by his employer, wherever that work is carried out;

(b) in relation to a self-employed person, all times when the person is performing work as a self-employed person, wherever the work is carried out; and

(c) in any other case, all times when the person is performing work at the direction of the other person who engaged him, wherever the work is carried out;

"authorised examiner" means any person approved by the Commissioner under section 33 for the purpose of carrying out any prescribed examination or test of any —

(a) hoist and lift;

(b) lifting gear;

(c) lifting appliance or lifting machine;

(d) steam boiler;

(e) steam receiver;
(f) air receiver;
(g) refrigerating plant pressure receiver;
(h) pressure vessel; or
(i) any other machinery required by this Act to be examined or tested by an authorised examiner;
"bodily injury" includes injury to health, the contraction of a disease, and the aggravation, acceleration or recurrence of any bodily injury or disease;
"building" includes —
(a) the whole or any part of any house or any other structure, whether used for the purpose of human habitation or otherwise; and
(b) any structure, support or foundation connected to the house or structure referred to in paragraph (*a*);
"building operation" means —
(a) the construction, structural alteration, repair or maintenance of a building (including the re-wiring of any electrical installation, the replacement of any lift, air-conditioning plant and ancillary ducting of a building, and the re-pointing, redecoration and external cleaning of the structure);
(b) the demolition of a building; or
(c) the preparation of a site for, and the laying of foundation of, an intended building,
but does not include any operation which is a work of engineering construction;
"class or description" , in relation to workplaces, includes a group of workplaces described by reference to locality;
"Commissioner" means the Commissioner for Workplace Safety and Health appointed under section 7;
"contract of service" means any agreement, whether oral or in writing, express or implied, whereby any person agrees to employ any other person as an employee and that other person agrees to serve as his employee, and includes a contract of apprenticeship;
"contractor" means a person engaged by another person (referred to in this Act as the principal) otherwise than under a contract of service —

(a) to supply any labour for gain or reward; or
(b) to do any work for gain or reward,
in connection with any trade, business, profession or undertaking carried on by the principal;
"Council" means the Workplace Safety and Health Council established under section 39;
"dangerous occurrence" means any occurrence which is specified in the Second Schedule;
"Deputy Commissioner" means a Deputy Commissioner for Workplace Safety and Health appointed under section 7;
"electrical installation" means any cable, wire, fitting, accessory, apparatus or other device used for or for purposes incidental to the conveyance, control or use of electricity;
"employ" means to employ the service of any person to do any work under a contract of service, with or without remuneration;
"gas" includes any gas in its gaseous or liquid state;
"gas plant" —
(a) means any plant, apparatus or machine for the manufacture or storage of any gas; and
(b) includes pipes and appliances used in carrying any gas to the place where the gas is to be used;
"inspector" means an inspector appointed under section 7(3) and includes the Commissioner and any Deputy Commissioner;
"lift" includes any lifting appliance or lifting machine used for carrying persons, whether together with goods or otherwise;
"lifting appliance" includes a pulley block, gin wheel, chain block or set of chain blocks;
"lifting gear" includes —
(a) any chain, rope, chain sling, webbing sling, rope sling, ring, hook, shackle, swivel or eyebolt; and
(b) any cage or work platform used for carrying persons while it is suspended from the load line of a crane;

"lifting machine" includes —

(a) any crane, crab, winch, teagle, runway, transporter, piling frame or piling machine; and

(b) any work platform or suspended scaffold capable of being raised or lowered by climbers, winches or other powered device;

"machinery" includes —

(a) any oil engine, gas engine, steam engine, and any other machine in which mechanical movement, either linear or rotated or both, takes place;

(b) any steam boiler, gas cylinder, air receiver, steam receiver, steam container or refrigerating plant pressure receiver;

(c) any appliance for transmission of power by ropes, belts, chains, driving straps or bands or gearing; and

(d) any electrical generator or electrical motor,

but does not include any machinery used solely for the propulsion of vehicles;

"maintain" means maintain in an efficient state, in efficient working order and in good repair;

"mechanical power" means any energy derived from steam, water, wind, electricity, compressed air or gas, or the combustion of fuel or explosive, which is used to drive or work any machinery;

"occupational disease" means any disease specified in the Third Schedule;

"occupier" , in relation to any premises or part of any premises, means —

(a) in the case of a factory where a certificate of registration or a factory permit has to be obtained in relation to the premises pursuant to any regulations — the person who is, or is required to be, the holder of the certificate or permit; and

(b) in the case of any other premises — the person who has charge, management or control of those premises either on his own account or as an agent of another person, whether or not he is also the owner of those premises;

"owner" , in relation to any premises, means —

(a) the person for the time being receiving the rents or profits for the lease of the premises, whether on his own account or as agent or trustee for any other person; or

(b) the person who would so receive the rents or profits if the premises were leased;

"premises" includes any place whether enclosed or built on or not, whether situated underground or underwater and, in particular, includes —

(a) any building, vehicle, vessel or aircraft;

(b) any structure, whether a fixed structure or a movable structure such as a tent; and

(c) a part of any premises, including a part of premises of a kind referred to in paragraph (*a*) or (*b*);

"pressure vessel" —

(a) means any container or vessel used for containing any substance under pressure; and

(b) includes any steam boiler, steam receiver, steam container, air receiver, refrigerating plant pressure receiver and gas cylinder;

"prime mover" means every engine, motor or other appliance which provides mechanical energy derived from steam, water, wind, electricity, the combustion of fuel or other source of energy;

"principal" means a person who, in connection with any trade, business, profession or undertaking carried on by him, engages any other person otherwise than under a contract of service —

(a) to supply any labour for gain or reward; or

(b) to do any work for gain or reward;

"refrigerating plant pressure receiver" means any vessel which contains refrigerant under pressure;

"registered medical practitioner" means a person registered or deemed to be registered under the Medical Registration Act (Cap. 174);

"regulations" means regulations made under this Act;

"repealed Act" means the Factories Act (Cap. 104, 1998 Ed.) repealed by this Act;

"self-employed person" means a person who works for gain or reward otherwise than under a contract of service, whether or not employing others;

"ship" includes every description of vessel used in navigation, a floating rig, a barge or any platform used in any form of operations at sea;

"steam boiler" —

(a) means any closed vessel in which, for any purpose, steam is generated under pressure greater than atmospheric pressure; and

(b) includes any economiser used to heat water being fed to any such vessel and any superheater used for heating steam;

"steam container" means any vessel (other than a steam pipe or coil) —

(a) constructed with a permanent outlet into the atmosphere or into a space where the pressure does not exceed atmospheric pressure; and

(b) through which steam is passed at atmospheric pressure, or at approximately that pressure for the purpose of heating, boiling, drying, evaporating or a similar purpose;

"steam receiver" means any vessel or apparatus (other than a steam boiler, steam container, steam pipe or coil or a part of a prime mover) used for containing steam under pressure greater than atmospheric pressure;

"subcontractor" means a person engaged (otherwise than under a contract of service) by any contractor or subcontractor —

(a) to supply any labour for gain or reward; or

(b) to do any work for gain or reward,

which the contractor or subcontractor has been engaged as contractor or subcontractor, as the case may be, to do;

"work of engineering construction" means any work specified in the Fourth Schedule;

"workplace safety and health auditor" means a workplace safety and health auditor appointed under section 30;

"workplace safety and health committee" means a workplace safety and health committee appointed under section 29;

"workplace safety and health co-ordinator" means a workplace safety and health co-ordinator appointed under section 28;

"workplace safety and health officer" means a workplace safety and health officer appointed under section 28.

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(2) For the purposes of this Act —

(a) mechanical power shall not be treated as being used in a workplace by reason only that mechanical power is used for the purpose of heating, ventilating, cooling, air-conditioning or lighting the workplace or any part thereof; and
(b) any reference to the health of a person shall, where that person is pregnant, include a reference to the health of any unborn child which that person is carrying.
(3) For the avoidance of doubt, a person shall be regarded for the purposes of this Act as being at work in a workplace whether or not he is lawfully at work in that workplace.

Meanings of "workplace" and "factory"

5. —(1) In this Act, "workplace" means any premises where a person is at work or is to work, for the time being works, or customarily works, and includes a factory.
(2) Subject to this section, "factory" means any premises within which —
(a) persons are employed in any process for or incidental to any of the following purposes:
(i) the making of any article or part of any article;
(ii) the altering, repairing, ornamenting, finishing, cleaning or washing, or the breaking up or demolition of any article; or
(iii) the adapting for sale of any article; and
(b) any work referred to in paragraph (*a*) is carried out by way of trade or for purposes of gain and to or over which the employer of the persons employed therein has the right of access or control.
(3) The following premises within which persons are employed are deemed to be factories:
(a) any yard (including any dock, wharf, jetty, quay and the precincts thereof) where the construction, reconstruction, repair, refitting, finishing or breaking up of ships is carried out, including the waters adjacent to any such yard where the construction, reconstruction, repair, refitting, finishing or breaking up of ships is carried out by or on behalf of the occupier of that yard;
(b) any premises where the sorting of articles is carried on as a preliminary to the work carried on in any other factory, or incidentally to the purposes of any other factory, whether that other factory is situated within or outside Singapore;

(c) any premises where the washing or filling of bottles or containers or packing of articles is carried on incidentally to the purposes of any other factory, whether that other factory is situated within or outside Singapore;
(d) any premises in which the business of hooking, plaiting, lapping, making up or packing of yarn or cloth is carried out;
(e) any laundry ancillary to another business or incidental to the purposes of any public institution;
(f) any premises where the construction, reconstruction or repair of locomotives, aircraft, vehicles or other plant for use for transport purposes is carried on as ancillary to a transport undertaking or other industrial or commercial undertaking, not being any premises used for the purpose of housing locomotives, aircraft or vehicles where only cleaning, washing, running repairs or minor adjustments are carried out;
(g) any premises where the printing by letter press, offset, lithography, photogravure, rotogravure, or other similar process, or the binding of such printed materials is carried on by way of trade or for purposes of gain or incidentally to another business so carried on;
(h) any premises where the making, adaptation or repair of dresses, scenery or props is carried on incidentally to the production of films, tapes or discs for public broadcast or screening or to the presentation of theatrical performances by way of trade or for purposes of gain, but not a stage or dressing-room of a theatre in which only occasional adaptations or repairs are made;
(i) any premises where the business of making or mending nets is carried on incidentally to the fishing industry;
(j) any premises where mechanical power is used in connection with the making or repair of any article incidentally to any business carried on by way of trade or for purposes of gain;
(k) any premises where the production of cinematograph films is carried on by way of trade or for purposes of gain, but not a stage or a dressing-room of any actor in or connected with the production of any cinematograph film;

(l) any premises where articles are made or prepared incidentally to the carrying on of any building operations or any work of engineering construction, not being premises in which such operations or work are being carried on;
(m) any premises which are used for the storage of gas, including liquefied gas, in a container having a storage capacity of not less than 140 cubic metres;
(n) any premises where work is carried out for or in connection with the generating of electrical energy for supply by way of trade or for purposes of gain;
(o) any premises where mechanical power is used for the purposes of or in connection with a water supply;
(p) any sewage works where mechanical power is used and any pumping station used in connection therewith;
(q) any premises where building operations or any work of engineering construction are carried on;
(r) any premises where mechanical power is used in connection with the sorting, packing, handling or storing of articles carried on by way of trade or for purposes of gain or incidentally to another business so carried on; and
(s) any premises which are used for the bulk storage of toxic or flammable liquid (excluding liquefied gas) in a container, not being an underground container, that has a storage capacity of not less than 5,000 cubic metres.
(4) Where any person carries on any work referred to in subsection (2) or (3) in a workplace with the express or implied permission of, or under any agreement with, the occupier of the workplace, then, notwithstanding that the person is not an employee of the occupier of the workplace —
(a) the workplace shall be treated as a factory for the purposes of this Act; and
(b) the provisions of this Act relating to the duty of an occupier shall apply to the occupier of the workplace as if he were the occupier of a factory.
(5) Notwithstanding subsection (2), where any place situated within a factory is solely used for some purpose other than any of the processes carried on in the factory —
(a) the place shall not be treated as forming part of the factory for the purposes of this Act; but

(b) the place shall, if it would otherwise be a factory, be treated as a separate factory for the purposes of this Act.

(6) A part of a factory may, with the approval in writing of the Commissioner, be treated as a separate factory for the purposes of this Act.

(7) Two or more factories may, with the approval in writing of the Commissioner, be treated as a single factory for the purposes of this Act.

(8) For the avoidance of doubt, no premises shall be excluded from the definition of a "factory" by reason only that they are open air premises.

(9) Any premises in which work is carried on by or on behalf of the Government or any statutory board or body shall not be excluded from the definition of a "factory" by reason only that the work carried on at the premises is not carried on by way of trade or for purposes of gain.

Meanings of "employee" and "employer"

6. —(1) Subject to subsections (2), (3), (4) and (5), in this Act —

"employee" means any person employed by an employer to do any work under a contract of service;

"employer" means a person who, in the course of the person's trade, business, profession or undertaking, employs any person to do any work under a contract of service.

(2) For the purposes of this Act, any reference to an employee shall include a reference to a volunteer who —

(a) does work for another person with the knowledge or consent of that other person; and

(b) does the work on an ongoing and regular basis for that other person, being work that is in connection with any trade, business, profession or undertaking carried on by that other person, and this Act shall apply —

(i) as if the volunteer were an employee of the other person;

(ii) as if the other person were the volunteer's employer; and

(iii) as if the volunteer were at work when doing work for the other person.

(3) For the purposes of this Act, any reference to an employee shall include a reference to a person who is in a workplace for the purpose of receiving on the

job training or gaining work experience, including under a rehabilitation scheme (referred to in this subsection as person A), and this Act shall apply —

(a) as if the person A were an employee of the person (referred to in this subsection as person B) who agreed to provide on the job training or work experience;

(b) as if person B were that person A's employer; and

(c) as if person A were at work when in the workplace for the purpose of receiving on the job training or gaining work experience.

(4) Where —

(a) an employer places an employee (referred to in this subsection as the loaned employee) at the disposal of another person to do work for that other person; and

(b) there is no contractual relationship between the employer and that other person regarding the work to be performed by the loaned employee,

then, for the purposes of this Act —

(i) the loaned employee shall be regarded as if he were an employee of that other person (instead of his employer) while the loaned employee is at work for that other person;

(ii) that other person shall be regarded as if he were the employer of the loaned employee while the loaned employee is at work for that other person; and

(iii) the loaned employee shall be regarded as if he were at work when doing work for that other person.

(5) Where a person carries on any work in a factory —

(a) the occupier of the factory shall be deemed to be the employer of the person; and

(b) the provisions of this Act shall apply as if the occupier of the factory were the employer of the person,

unless the occupier of the factory proves that he is not the employer of the person.

PART III

ADMINISTRATION OF ACT

Appointment of Commissioner for Workplace Safety and Health and other officers

7. —(1) The Minister may appoint any person to be the Commissioner for Workplace Safety and Health, and such other persons, by name or office, as Deputy Commissioners for Workplace Safety and Health.

(2) The Commissioner shall, subject to any general or special directions of the Minister, be responsible for the administration of this Act and may perform such duties as are imposed and may exercise such powers as are conferred upon him by this Act or any other written law.

(3) The Commissioner may appoint, by name or office, such number of persons as inspectors, and such number of other persons as authorised officers, as may be necessary to assist the Commissioner in the administration of this Act.

(4) The Commissioner may, with the approval of the Minister, delegate the exercise of all or any of the powers conferred or duties imposed upon him by this Act (except the power of delegation conferred by this subsection) to any Deputy Commissioner, inspector or authorised officer, subject to such conditions or limitations as the Commissioner may specify.

(5) Notice of all appointments made under this section shall be published in the *Gazette*.

Commissioner, Deputy Commissioners, inspectors, authorised officers, etc., to be public servants

8. The Commissioner and every Deputy Commissioner, inspector and authorised officer appointed under section 7 and every member of the Council shall be deemed to be public servants within the meaning of the Penal Code (Cap. 224).

[9/2008]

Identification of inspectors and authorised officers

9. Every inspector and authorised officer shall —

(a) be furnished with a certificate of his appointment as an inspector or authorised officer, as the case may be; and

(b) when exercising any powers under this Act, on demand, produce the certificate of his appointment to the person affected by the exercise of those powers.

PART IV

GENERAL DUTIES OF PERSONS AT WORKPLACES

Duties according to different capacities

10. For the avoidance of doubt, it is hereby declared that —

(a) a person may at any one time be 2 or more of the following:

(i) an employer;

(ii) a contractor;

(iii) a subcontractor;

(iv) a principal;

(v) a self-employed person;

(vi) an occupier of a workplace;

(vii) a designer, manufacturer or supplier of any machinery, equipment or hazardous substance for use at work;

(viii) an erector, installer or a modifier of machinery or equipment for use at work;

(ix) an owner, a hirer or lessee of machinery moved by mechanical power or a person who maintains such machinery for use at work,

and this Act may impose duties or liabilities on the person accordingly;

(b) this Act may at any one time impose the same duty or liability on 2 or more persons, whether in the same capacity or in different capacities; and

(c) a duty or liability imposed by this Act on any person is not diminished or affected by the fact that it is imposed on one or more other persons, whether in the same capacity or in different capacities.

Duty of occupier of workplace

11. It shall be the duty of every occupier of any workplace to take, so far as is reasonably practicable, such measures to ensure that —

(a) the workplace;

(b) all means of access to or egress from the workplace; and

(c) any machinery, equipment, plant, article or substance kept on the workplace,

are safe and without risks to health to every person within those premises, whether or not the person is at work or is an employee of the occupier.

Duties of employers

12. —(1) It shall be the duty of every employer to take, so far as is reasonably practicable, such measures as are necessary to ensure the safety and health of his employees at work.

(2) It shall be the duty of every employer to take, so far as is reasonably practicable, such measures as are necessary to ensure the safety and health of persons (not being his employees) who may be affected by any undertaking carried on by him in the workplace.

(3) For the purposes of subsection (1), the measures necessary to ensure the safety and health of persons at work include —

(a) providing and maintaining for those persons a work environment which is safe, without risk to health, and adequate as regards facilities and arrangements for their welfare at work;

(b) ensuring that adequate safety measures are taken in respect of any machinery, equipment, plant, article or process used by those persons;

(c) ensuring that those persons are not exposed to hazards arising out of the arrangement, disposal, manipulation, organisation, processing, storage, transport, working or use of things —

(i) in their workplace; or

(ii) near their workplace and under the control of the employer;

(d) developing and implementing procedures for dealing with emergencies that may arise while those persons are at work; and

(e) ensuring that those persons at work have adequate instruction, information, training and supervision as is necessary for them to perform their work.

(4) Every employer shall, where required by the regulations, give to persons (not being his employees) the prescribed information about such aspects of the way in which he conducts his undertaking as might affect their safety or health while those persons are at his workplace.

Duties of self-employed persons

13. —(1) It shall be the duty of every self-employed person (whether or not he is also a contractor or subcontractor) to take, so far as is reasonably practicable, such measures as are necessary to ensure the safety and health of persons (not

being his employees) who may be affected by any undertaking carried on by him in the workplace.

(2) Every self-employed person shall, where required by the regulations, give to persons (not being his employees) the prescribed information about such aspects of the way in which he conducts his undertaking as might affect their safety or health while those persons are at his workplace.

Duties of principals

14. —(1) Subject to subsection (2), it shall be the duty of every principal to take, so far as is reasonably practicable, such measures as are necessary to ensure the safety and health of —

(a) any contractor engaged by the principal when at work;

(b) any direct or indirect subcontractor engaged by such contractor when at work; and

(c) any employee employed by such contractor or subcontractor when at work.

(2) The duty imposed on the principal in subsection (1) shall only apply where the contractor, subcontractor or employee referred to in that subsection is working under the direction of the principal as to the manner in which the work is carried out.

(3) It shall be the duty of every principal to take, so far as is reasonably practicable, such measures as are necessary to ensure the safety and health of persons (other than a person referred to in subsection (1)(*a*), (*b*) or (*c*) working under the principal"s direction) who may be affected by any undertaking carried on by him in the workplace.

(4) For the purposes of subsection (1), the measures necessary to ensure the safety and health of persons at work include —

(a) providing and maintaining for those persons a work environment which is safe, without risk to health, and adequate as regards facilities and arrangements for their welfare at work;

(b) ensuring that adequate safety measures are taken in respect of any machinery, equipment, plant, article or process used by those persons;

(c) ensuring that those persons are not exposed to hazards arising out of the arrangement, disposal, manipulation, organisation, processing, storage, transport, working or use of things —

(i) in their workplace; or

(ii) near their workplace and under the control of the principal;

(d) developing and implementing procedures for dealing with emergencies that may arise while those persons are at work; and

(e) ensuring that those persons at work have adequate instruction, information, training and supervision as is necessary for them to perform their work.

(5) Every principal shall, where required by the regulations, give to persons (other than a person referred to in subsection (1)(*a*), (*b*) or (*c*) working under the principal's direction) the prescribed information about such aspects of the way in which he conducts his undertaking as might affect their safety or health while those persons are at his workplace.

Duties of persons at work

15. —(1) It shall be the duty of every person at work —

(a) to use in such manner so as to provide the protection intended, any suitable appliance, protective clothing, convenience, equipment or other means or thing provided (whether for his use alone or for use by him in common with others) for securing his safety, health and welfare while at work; and

(b) to co-operate with his employer or principal and any other person to such extent as will enable his employer, principal or the other person, as the case may be, to comply with the provisions of this Act.

(2) No person at work shall wilfully or recklessly interfere with or misuse any appliance, protective clothing, convenience, equipment or other means or thing provided (whether for his use alone or for use by him in common with others) pursuant to any requirement under this Act for securing the safety, health or welfare of persons (including himself) at work.

(3) Any person at work who, without reasonable cause, wilfully or recklessly does any act which endangers the safety or health of himself or others shall be guilty of an offence.

(4) Any person who contravenes subsection (1) or (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $2,000.

Duties of manufacturers and suppliers of machinery, equipment or hazardous substances used at work

16. —(1) Subject to this section, it shall be the duty of any person who manufactures or supplies any machinery, equipment or hazardous substance for use at work to ensure, so far as is reasonably practicable —

(a) that the following information about the safe use of the machinery, equipment or hazardous substance is available to any person to whom the machinery, equipment or hazardous substance is supplied for use at work:

(i) the precautions (if any) to be taken for the proper use and maintenance of the machinery, equipment or hazardous substance;

(ii) the health hazards (if any) associated with the machinery, equipment or hazardous substance; and

(iii) the information relating to and the results of any examinations or tests of the machinery, equipment or hazardous substance under paragraph (*c*) that are relevant to its safe use;

(b) that the machinery, equipment or hazardous substance is safe, and without risk to health, when properly used;

(c) that the machinery, equipment or hazardous substance is examined and tested so as to comply with the obligation imposed by paragraph (*b*).

(2) The duties imposed on any person specified in subsection (1) shall —

(a) apply only if the machinery, equipment or hazardous substance is manufactured or supplied in the course of trade, business, profession or undertaking carried on by the person, whether for profit or not;

(b) apply whether or not the machinery, equipment or hazardous substance is exclusively manufactured or supplied for use by persons at work; and

(c) extend to the supply of the machinery, equipment or hazardous substance by way of sale, transfer, lease or hire and whether as principal or agent, and to the supply of the machinery, equipment or hazardous substance to a person for the purpose of supply to others.

(3) The duties imposed on any person specified in subsection (1) shall not apply to a person by reason only that the person supplies the machinery or equipment under a hire-purchase agreement, conditional sale agreement or credit-sale agreement to another (referred to in this section as the customer) in the course of a business of financing the acquisition of the machinery or equipment by the customer from others.

(4) Where a person (referred to in this subsection as the ostensible supplier) supplies any machinery or equipment for use at work to a customer under a hire-purchase agreement, conditional sale agreement or credit-sale agreement, and the ostensible supplier —

(a) carries on the business of financing the acquisition of goods by others by means of such agreements; and

(b) in the course of that business acquired his interest in the machinery or equipment supplied to the customer as a means of financing its acquisition by the customer from a third person (referred to in this subsection as the effective supplier),

the effective supplier shall be treated for the purposes of this section as supplying the machinery or equipment to the customer instead of the ostensible supplier, and any duty imposed by subsection (1) on a supplier shall accordingly apply to the effective supplier, and not to the ostensible supplier.

(5) Where a person designs, manufactures or supplies any machinery, equipment or hazardous substance for use at work and does so for or to another on the basis of a written undertaking by that other to take specified steps sufficient to ensure, so far as is reasonably practicable, that the machinery, equipment or hazardous substance will be safe and without risk to health when properly used, the undertaking shall have the effect of relieving the first-mentioned person from the duty imposed by subsection (1)(*b*) to such extent as is reasonable having regard to the terms of the undertaking.

(6) Any person required under subsection (1)(*c*) to ensure that any machinery, equipment or hazardous substance is examined and tested so as to comply with the obligation imposed by subsection (1)(*b*) shall be regarded as having complied with subsection (1)(*c*) to the extent that —

(a) the examination or test has already been carried out otherwise than by, or on behalf of, the person; and
(b) it is reasonable for the person to rely on that examination or test.
(7) For the purposes of this section, an absence of safety, or a risk to health, shall be disregarded in so far as the case in or in relation to which it would arise is shown to be one the occurrence of which could not reasonably be foreseen.
(8) In this section, "supplier", in relation to any machinery, equipment or hazardous substance, does not include a manufacturer of those items when supplying, but includes an importer when supplying those items.
(9) This section shall apply only to machinery, equipment or hazardous substances specified in the Fifth Schedule.

Duties of persons who erect, install or modify machinery or equipment and persons in control of machinery for use at work

17. —(1) It shall be the duty of any person who erects, installs or modifies any machinery or equipment for use at work to ensure, so far as is reasonably practicable, that the machinery or equipment is erected, installed or modified in such a manner that it is safe, and without risk to health, when properly used.
(2) The duty imposed on a person erecting, installing or modifying any machinery or equipment under subsection (1) shall apply only if the machinery or equipment is erected, installed or modified in the course of the person"s trade, business, profession or undertaking.
(3) Any person required under subsection (1) to ensure that any machinery or equipment is erected, installed or modified in such a manner that it is safe, and without risk to health, when properly used shall be regarded as having complied with that subsection to the extent that —
(a) the person ensured, so far as is reasonably practicable, that the erection, installation or modification was in accordance with the information supplied by the designer, manufacturer or supplier of the machinery or equipment regarding its erection, installation or modification; and
(b) it is reasonable for the person to rely on that information.

(4) Where any machinery moved by mechanical power is used in any workplace, then notwithstanding anything in this Act, it shall be the duty of the owner of the machinery to ensure —

(a) so far as is reasonably practicable, that the machinery is maintained in a safe condition; and

(b) that the precautions (if any) to be taken for the safe use of the machinery and the health hazards (if any) associated with the machinery are available to any person using the machinery.

(5) Where the owner of any machinery moved by mechanical power has entered into a contract of hire or lease with a hirer or lessee, the duty imposed under subsection (4) shall apply to the hirer or lessee of the machinery instead of the owner.

(6) Where the owner, hirer or lessee of any machinery moved by mechanical power has entered into a contract with another person to maintain the machinery, the duty under subsection (4)(*a*) shall apply to that other person instead of the owner, hirer or lessee of the machinery.

(7) Subsections (1), (2) and (3) shall apply only to machinery or equipment specified in Part I of the Fifth Schedule.

Other related duties of occupiers and employers

18. —(1) An employer shall not —

(a) deduct, or allow to be deducted, from the sum contracted to be paid by him to any employee of his; or

(b) receive, or allow any agent of his to receive, any payment from any employee of his,

in respect of anything to be done or provided by him in accordance with this Act in order to ensure the safety, health or welfare of any of his employees at work.

(2) An employer shall not dismiss or threaten to dismiss an employee because the employee —

(a) has assisted (whether by the giving of information or otherwise) an inspector, authorised person or any other public authority in the conduct of any inspection or investigation under this Act for a breach or an alleged breach of this Act, or proposes to do so;

(b) has in good faith sought the assistance of, or made a report to an inspector or authorised person in relation to a safety and health matter, or proposes to do so;
(c) is performing his duties in good faith as a member of a workplace safety and health committee; or
(d) has complied with an order made under section 21 or otherwise complied with this Act, or proposes to do so.
(3) The occupier of a workplace shall cause to be kept in the workplace the following records:
(a) every document issued in respect of the workplace by the Commissioner under the provisions of this Act;
(b) a copy of every notice furnished to the Commissioner as required under this Act; and
(c) all reports and particulars prepared in respect of the workplace under this Act.
(4) Any occupier of a workplace shall —
(a) ensure that the records referred to in subsection (3) shall be kept for not less than 5 years from the date the records were made or such other period as may be prescribed; and
(b) whenever required to do so within that period, produce and make available to an inspector for inspection a copy of the records.
(5) Any person who contravenes subsection (1) or (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.
(6) Any person who contravenes subsection (3) or (4) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $2,000.

Duties of occupiers of common areas

19. —(1) For the purposes of subsection (2), where a building comprises one or more workplaces, any common property or limited common property of the building (referred to in this section as the common area) which is used by persons at work in any such workplace or is used by such persons to move through shall be treated as part of their workplace.

(2) It shall be the duty of the occupier of the common area to comply with any provision of this Act with respect to —

(a) electric generators and motors located in the common area;

(b) hoists and lifts, lifting gear, lifting appliances and lifting machines located in the common area;

(c) means of access into or egress from the common area; and

(d) any machinery or plant located in the common area which belongs to or is supplied by the owner or occupier of the common area.

(3) In this section —

"common property" and "limited common property" have the same meanings as in the Building Maintenance and Strata Management Act (Cap. 30C);

"occupier" , in relation to a common area, includes the management corporation or subsidiary management corporation, as the case may be, having control of that common area.

Offence of breaching duty under this Part

20. In the event of any contravention of any provision in this Part which imposes a duty on a person, that person shall be guilty of an offence.

PART V

POWERS OF COMMISSIONER

Power to issue remedial order or stop-work order

21. —(1) This section shall apply if the Commissioner is satisfied that —

(a) any workplace is in such condition, or is so located, or any part of the machinery, equipment, plant or article in the workplace is so used, that any work or process carried on in the workplace cannot be carried on with due regard to the safety, health and welfare of persons at work;

(b) any person has contravened any duty imposed by this Act; or

(c) any person has done any act, or has refrained from doing any act which, in the opinion of the Commissioner, poses or is likely to pose a risk to the safety, health and welfare of persons at work.

(2) Where this section applies, the Commissioner may serve a remedial order or a stop-work order in respect of a workplace on —

(a) any person who is in control of the workplace, or the work or process carried out in the workplace;

(b) any person whose duty under this Act is to ensure the safety, health and welfare of any person at work in the workplace; or

(c) any person who poses or is likely to pose a risk to the safety, health and welfare of any person at work in the workplace.

(3) A remedial order under this section shall —

(a) direct the person served with the order to take such measures, to the satisfaction of the Commissioner —

(i) to remedy any danger so as to enable the work or process in the workplace to be carried on with due regard to the safety, health and welfare of the persons at work;

(ii) to comply with any duty imposed under this Act; or

(iii) to do or refrain from doing any act referred to in subsection (1)(*c*); and

(b) specify the date on which it is to take effect and the period (which shall run from the date the remedial order takes effect) within which any step required by the order shall be taken.

(4) A stop-work order shall —

(a) direct the person served with the order to immediately cease to carry on any work or process —

(i) indefinitely; or

(ii) until such measures as are required by the Commissioner have been taken, to the satisfaction of the Commissioner, to remedy any danger so as to enable the work or process in the workplace to be carried on with due regard to the safety, health and welfare of the persons at work; and

(b) specify the date on which it is to take effect.

(5) The Commissioner may delegate the power to issue a remedial order or stop-work order to any Deputy Commissioner.

(6) Any person who fails to comply with a remedial order shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $50,000 or to

imprisonment for a term not exceeding 12 months or to both and, in the case of a continuing offence, to a further fine not exceeding $5,000 for every day or part thereof during which the offence continues after conviction.

(7) Any person who fails to comply with a stop-work order shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $500,000 or to imprisonment for a term not exceeding 12 months or to both and, in the case of a continuing offence, to a further fine not exceeding $20,000 for every day or part thereof during which the offence continues after conviction.

(8) Where any person fails to comply with a remedial order or stop-work order, the Commissioner may —

(a) at all reasonable times enter upon the workplace and take such measures and do such work as may be necessary to give effect to the order; and

(b) take appropriate measures to prevent —

(i) unauthorised entry to any area; or

(ii) unauthorised access to any machinery, equipment, plant or article affected by the order.

(9) Any costs and expenses incurred by the Commissioner under subsection (8) may be recovered as a debt due to the Government from the person served with the remedial order or stop-work order.

(10) Where the Commissioner has taken measures under subsection (8)(*b*) in respect of any area or machinery, equipment, plant or article, any person who, knowing that such measures have been taken, enters that area or gains access to that machinery, equipment, plant or article without the authorisation of the Commissioner shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

Appeal from order made by Commissioner

22. —(1) Any person who is affected by any order made by the Commissioner under section 21 may, within 14 days of the date of service of the order, appeal to the Minister who may rescind or vary the order.

(2) Where an appeal is made to the Minister against any remedial order, that order shall not have effect pending the outcome of the appeal.

(3) Where an appeal is made to the Minister against any stop-work order, the affected person shall comply with the order pending the outcome of the appeal, and the stop-work order shall have effect until it is otherwise rescinded or varied.

Power to suspend certificate

23. —(1) The Commissioner may, if he thinks fit, suspend any certificate issued by him under this Act in respect of any work or workplace, and shall inform the person named in the certificate in writing of the suspension and also the reason for the suspension.

(2) Where any certificate is suspended under subsection (1), the person affected shall immediately cease to do any work at any workplace for which the certificate was required.

(3) Any person who contravenes subsection (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

PART VI

INVESTIGATIONS, INQUIRIES AND REPORTING OF ACCIDENTS, DANGEROUS OCCURRENCES AND OCCUPATIONAL DISEASES

Investigation into accidents, dangerous occurrences, etc.

24. Where the Commissioner becomes aware of any accident, dangerous occurrence or occupational disease in a workplace, the Commissioner may direct an inspector to investigate the circumstances of the accident, dangerous occurrence or occupational disease.

Alteration or addition to machinery, equipment, etc.

25. —(1) No person shall, without the consent of the Commissioner —

(a) alter, replace, remove or add to any machinery, equipment, plant or article which may have contributed to the cause of any accident resulting in the death of any person or any dangerous occurrence or occupational disease; or

(b) modify the scene of the fatal accident or dangerous occurrence or the scene where the occupational disease occurred.

(2) The occupier of a workplace in which an accident, a dangerous occurrence or an occupational disease occurs shall take all reasonable measures to prevent any person from —

(a) altering, replacing, removing or adding to any machinery, equipment, plant or article which may have contributed to the cause of the accident resulting in the death of any person or the dangerous occurrence or occupational disease; or

(b) modifying the scene of the fatal accident or dangerous occurrence or the scene where the occupational disease occurred.

(3) It shall be presumed, unless it is proved to the contrary, that any alteration, replacement, removal or addition as is referred to in subsection (1) has been made by the occupier of a workplace.

(4) Nothing in subsection (1) or (2) shall operate to interfere with rescue work or work necessary for the general safety of life and property.

(5) Any person who contravenes subsection (1) and any occupier of a workplace who contravenes subsection (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $10,000 or to imprisonment for a term not exceeding 12 months or to both.

Minister may direct inquiry to be held

26. —(1) The Minister may appoint an Inquiry Committee to hold an inquiry into any accident, dangerous occurrence or occupational disease that has occurred in a workplace and into its causes and circumstances, and direct that the Committee reports its findings to the Minister.

(2) The Inquiry Committee referred to in subsection (1) shall comprise —

(a) a District Judge appointed by the Minister after consulting the Chief District Judge; and

(b) one or more assessors appointed by the Minister.

(3) The Inquiry Committee shall hold the inquiry in open court in such manner and under such conditions as it thinks most effectual for —

(a) ascertaining the causes and circumstances of the accident, dangerous occurrence or occupational disease; and

(b) enabling it to make the report to the Minister.

(4) The Inquiry Committee shall have, for the purposes of the inquiry —

(a) all the powers of a District Court when trying offences under this Act;

(b) all the powers of an inspector under this Act; and

(c) all of the following powers:

(i) to enter and inspect any premises, the entry or inspection of which appears to the Inquiry Committee requisite for the purposes of the inquiry;

(ii) by summons signed by the District Judge, to require attendance of all such persons as the Inquiry Committee thinks fit to call before it and examine and to require answers or returns to such inquiries as it thinks fit;

(iii) to require the production of all books, papers and documents which the Inquiry Committee considers important for the purposes of the inquiry; and

(iv) to administer oaths and to require any person examined to make and sign a declaration of the truth of the statements made by him in his examination.

(5) Upon conclusion of its inquiry, the Inquiry Committee shall make a report to the Minister —

(a) stating the causes and circumstances of the accident, dangerous occurrence or occupational disease; and

(b) adding any observations or recommendations which the Inquiry Committee thinks appropriate to make.

(6) If the District Judge is of the opinion that criminal proceedings ought to be instituted against any person in connection with the accident, dangerous occurrence or occupational disease, he shall also forward a copy of the report to the Public Prosecutor.

(7) Any person who —

(a) fails to comply with any summons, order or requisition of the District Judge; or

(b) prevents or impedes the Inquiry Committee in the execution of its duties,

shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $2,000.

(8) It shall be a defence for a person charged with an offence under subsection (7)(*a*) to prove that he had a reasonable excuse for failing to comply with the summons, order or requisition of the District Judge.

(9) The Minister may cause the report of the Inquiry Committee to be made public at such time and in such manner as he thinks fit.

Notification and reporting of accidents, dangerous occurrences, etc.

27. —(1) The Minister may by regulations require an employer, an occupier, a registered medical practitioner or any other person to notify or to submit a report to the Commissioner in the event of an accident, a dangerous occurrence or an occupational disease in a prescribed workplace.

(2) Regulations made under subsection (1) may apply to —

(a) a workplace which is not specified in the First Schedule; and

(b) a person who is an exempt person at work specified in the Sixth Schedule.

PART VII

SAFETY AND HEALTH MANAGEMENT ARRANGEMENTS

Workplace safety and health officers and co-ordinators

28. —(1) Every workplace within the prescribed class or description of workplaces shall have appointed in respect thereof a workplace safety and health officer or a workplace safety and health co-ordinator.

(2) For the purposes of this section, the Minister may prescribe —

(a) the manner of appointment of a workplace safety and health officer and a workplace safety and health co-ordinator;

(b) the functions and duties of a workplace safety and health officer and a workplace safety and health co-ordinator; and

(c) the powers of a workplace safety and health officer and a workplace safety and health co-ordinator, being necessary powers for the officer or co-ordinator, as the case may be, to discharge his functions and duties under this Act.

Workplace safety and health committees

29. —(1) Every workplace within the prescribed class or description of workplaces shall have appointed in respect thereof a workplace safety and health committee.

(2) Every workplace safety and health committee of a workplace shall comprise representatives of employees of the workplace as well as employers.

(3) The functions of a workplace safety and health committee appointed in respect of a workplace shall be —

(a) to keep under review circumstances in the workplace which affect or may affect the safety or health of persons in the workplace;

(b) to promote co-operation between management and employees in achieving and maintaining safe and healthy working conditions;

(c) to carry out from time to time inspections of the scene of any accident or dangerous occurrence in the interests of the safety and health of the employees;

(d) to exercise such other functions and duties as may be prescribed or conferred on the committee under this Act; and

(e) such other functions as may be prescribed.

(4) The management shall provide such facilities and assistance to the workplace safety and health committee of a workplace as the committee may reasonably require for the purpose of carrying out the committee's functions and duties under this section.

(5) A workplace safety and health committee shall have such powers as may be prescribed, being necessary powers for the committee to discharge its functions and duties under this Act.

Workplace safety and health auditors

30. —(1) Every workplace within the prescribed class or description of workplaces shall have appointed in respect thereof a workplace safety and health auditor.

(2) The functions of a workplace safety and health auditor appointed in respect of a workplace shall be to audit, in such manner as the Commissioner may determine, all or any of the following with a view to ensuring the safety, health and welfare of persons at work in the workplace:

(a) the safety and health management system of the workplace;

(b) any risk assessment relating to the workplace or the work carried out in that workplace;
(c) any work process at the workplace; or
(d) the workplace.
(3) A workplace safety and health auditor shall have such powers as may be prescribed, being necessary powers for the auditor to discharge his functions and duties under this Act.
(4) In this section, "risk assessment" means the process of evaluating the probability and consequences of injury or illness arising from exposure to an identified hazard, and determining the appropriate measures for risk control.

Safety and health training courses

31. —(1) The Minister may, by order published in the *Gazette*, require such prescribed class or description of persons to attend such training courses as are specified in the order.
(2) The employer of any person required to attend any training course under subsection (1) shall ensure that the person completes or has completed such safety and health training course before allowing that person to perform any work for which the training is required.
(3) Any safety and health training course referred to in subsection (1) shall be conducted by an accredited training provider.
(4) Notwithstanding that a person has completed such safety and health training course as is required under this section, the Commissioner may, if he thinks that a refresher course is necessary, issue a written direction requiring that person to attend another such training course.
(5) An employer who contravenes subsection (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

Requirement for approval of Commissioner to act

32. No person shall act as —
(a) an authorised examiner for the purpose of carrying out any prescribed examination or test of any —
(i) hoist or lift;

(ii) lifting gear;
(iii) lifting appliance or lifting machine;
(iv) steam boiler;
(v) steam receiver;
(vi) air receiver;
(vii) refrigerating plant pressure receiver;
(viii) pressure vessel; or
(ix) any other machinery required by this Act to be examined or tested by an authorised examiner;
(b) a workplace safety and health officer;
(c) a workplace safety and health co-ordinator;
(d) a workplace safety and health auditor; or
(e) an accredited training provider,
(referred to in this Part as an authorised person) except with the approval of the Commissioner.

Application for and grant of approval

33. —(1) An application for approval to act as an authorised person shall be —
(a) in such form as the Commissioner may determine;
(b) accompanied by such information, statements and documents as the Commissioner may require; and
(c) accompanied by the prescribed fee.
(2) Upon receiving an application under subsection (1), the Commissioner may —
(a) grant the approval applied for either unconditionally or subject to such conditions as the Commissioner thinks fit; or
(b) refuse the application.
(3) The Commissioner shall not approve any person as an authorised person unless the Commissioner is satisfied that the applicant —
(a) possesses the prescribed qualifications and prescribed practical experience; and
(b) is sufficiently competent and is, in all other respects, a fit and proper person, to be entrusted to carry out the work of the relevant authorised person.

(4) The Commissioner may at any time vary or revoke any of the existing conditions imposed under subsection (2) or impose new conditions.
(5) Upon the approval of a person as an authorised person, the Commissioner shall issue the applicant with a certificate of approval to act as a relevant authorised person for such period and subject to such terms and conditions as the Commissioner may specify therein.

Duration of approval

34. —(1) Subject to section 35, any approval of a person as an authorised person shall each be valid for such period as the Commissioner may determine.
(2) The Commissioner may, on application in writing and on payment of the prescribed fee, renew the approval of any authorised person.

Cancellation of approval

35. —(1) The Commissioner may suspend or cancel the approval of a person as an authorised person if —
(a) the Commissioner is satisfied that the person —
(i) had obtained or procured his approval by fraud or misrepresentation;
(ii) has breached any term or condition subject to which the approval was granted; or
(iii) is no longer a fit and proper person to act as a relevant authorised person; or
(b) the Commissioner considers that it is in the public interest to do so.
(2) The Commissioner shall, before cancelling the approval of a person as an authorised person under subsection (1) —
(a) give the affected person notice in writing of his intention to do so;
(b) specify a date, not less than 21 days after the date of the notice, upon which the cancellation shall take effect; and
(c) call upon the affected person to show cause to the Commissioner why his approval as an authorised person should not be cancelled.
(3) If the person to whom a notice has been given under subsection (2) —
(a) fails to show cause within the period of time given to him to do so or such extended period of time as the Commissioner may allow; or
(b) fails to show sufficient cause,

the Commissioner shall give notice in writing to that person of the date from which the cancellation of the approval shall take effect.

(4) A person whose approval as an authorised person has been cancelled may, within 14 days after the receipt of the notice referred to in subsection (3), appeal in writing against the cancellation to the Minister whose decision shall be final.

Surrender of certificate

36. A person whose approval as an authorised person has been cancelled by the Commissioner under section 35 shall, within 7 days of the date of the cancellation, surrender his certificate of approval issued under section 33(5).

False assumption of title

37. No person shall claim or imply that he is approved by the Commissioner as a relevant authorised person unless he is approved as such by the Commissioner under section 33.

Offence under this Part

38. Any person who contravenes section 32, 36 or 37 shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

PART VIII

WORKPLACE SAFETY AND HEALTH COUNCIL

Establishment of Workplace Safety and Health Council

39. —(1) There shall be a Workplace Safety and Health Council consisting of the following members, each of whom shall be appointed by the Minister in accordance with this section:

(a) a chairman;

(b) a deputy chairman; and

(c) at least 10 but not more than 18 other members.

[9/2008]

(2) The chairman, the deputy chairman and every member of the Council shall be appointed for a term not exceeding 3 years and shall be eligible for reappointment.

[9/2008]

(3) The Minister may, at any time, revoke the appointment of the chairman, the deputy chairman or any member of the Council.

[9/2008]

(4) If any member of the Council dies, resigns or is removed from office, the Minister may appoint any person to fill the vacancy and the person so appointed shall hold office for the remainder of the term for which the vacating member was appointed.

[9/2008]

(5) The powers of the Council shall not be affected by any vacancy in the membership thereof.

[9/2008]

Powers and proceedings of Council

40. —(1) Subject to the provisions of this Act, the Council may determine its own procedure.

[9/2008]

(2) At any meeting of the Council, 5 members thereof shall constitute a quorum.

[9/2008]

(3) The chairman of the Council or, in his absence, the deputy chairman thereof shall preside at all meetings of the Council and, in their absence, the members present shall elect one of their number to preside.

[9/2008]

(4) The deputy chairman of the Council may, subject to such directions as may be given by the chairman thereof, exercise all or any of the powers exercisable by the chairman of the Council under this Act.

[9/2008]

(5) The Council may appoint, from among its own members or other persons who are not members of the Council, such number of committees as it may think fit consisting of its members or other persons, or both its members and other

persons, for purposes which, in the opinion of the Council, would be better regulated and managed by means of such committees.

[9/2008]

Functions of Council

40A. The functions of the Council shall be —

(a) to develop or facilitate the development of acceptable practices relating to safety, health and welfare at work;

(b) to promote the adoption of acceptable practices relating to safety, health and welfare at work;

(c) to devise, organise and implement programmes and other activities for or related to providing support, assistance or advice to any person or organisation in preserving, improving and promoting safety, health and welfare at work;

(d) to facilitate and promote the development and upgrading of competencies, skills and expertise of the workforce relating to safety, health and welfare at work;

(e) to research into any matter relating to safety, health and welfare at work;

(f) to grant prizes and scholarships, and to establish and subsidise lectureships in universities and other educational institutions in subjects relating to safety, health and welfare at work;

(g) to provide practical guidance with respect to the requirements of this Act relating to safety, health and welfare at work; and

(h) to do all the things that it is authorised or required to do under this Act.

[9/2008]

Codes of practice

40B. —(1) For the purpose of providing practical guidance with respect to the requirements of this Act relating to safety, health and welfare at work, the Council may, from time to time, do all or any of the following:

(a) issue one or more codes of practice, which may include any code of practice issued or approved under another written law if the Council considers that code of practice suitable for this purpose;

(b) approve as a code of practice any document prepared by any person or organisation other than the Council if the Council considers the document as a suitable document for this purpose;

(c) amend or revoke any code of practice issued or approved under this section.

[9/2008]

(2) The power of the Council under subsection (1)(*a*) or (*b*) to issue or approve a code of practice that is either a code of practice issued or approved under another written law or a document prepared by any person or organisation other than the Council shall include the power to issue or approve a part of such a code of practice or document.

[9/2008]

(3) Where a code of practice is issued, approved, amended or revoked by the Council under subsection (1), the Council shall —

(a) publish a notice of the issue, approval, amendment or revocation, as the case may be, of the code of practice in such manner as will secure adequate publicity for such issue, approval, amendment or revocation;

(b) specify in the notice referred to in paragraph (*a*) —

(i) the date of issue, approval, amendment or revocation, as the case may be;

(ii) the class of hazards, activities or articles in respect of which the code of practice is issued, approved, amended or revoked; and

(iii) the place at and the time during which, or the Internet website where, the code of practice which is the subject of the notice may be inspected; and

(c) ensure that, so long as the code of practice remains in force, copies of that code, and of all amendments to that code, are available —

(i) for inspection by members of the public free of charge; and

(ii) for purchase by members of the public at a reasonable price.

[9/2008]

(4) No code of practice, no amendment to an approved code of practice, and no revocation of any such approved code of practice, shall have any force or effect until the notice relating thereto is published in accordance with subsection (3).

[9/2008]

(5) An approved code of practice that is also either a code of practice issued or approved under another written law or a document prepared by any person or organisation other than the Council shall consist of the contents of that code or

document as that code or document existed on the date it was issued or approved as an approved code of practice under this section.

[9/2008]

(6) If any provision of any approved code of practice is inconsistent with any provision of this Act, such provision, to the extent of the inconsistency —

(a) shall have effect subject to the provisions of this Act; or

(b) having regard to the provisions of this Act, shall not have effect.

[9/2008]

(7) Any approved code of practice shall be deemed not to be subsidiary legislation.

[9/2008]

Use of approved codes of practice in criminal proceedings

40C. —(1) A person shall not be liable to any criminal proceedings by reason only that he has failed to observe any approved code of practice.

[9/2008]

(2) In any proceedings for an offence under this Act, an approved code of practice that is relevant to any matter which it is necessary for the prosecution to prove in order to establish the commission of the offence shall be admissible in evidence in the proceedings.

[9/2008]

(3) Without affecting any other method of proof, in any proceedings for an offence under this Act —

(a) the production of a document purporting to be a copy of a notice published by the Council under section 40B(3)(*a*) shall be taken to be such a notice until the contrary is proved; and

(b) the production of a code of practice, or an amendment or a revocation of a code of practice, purporting to be the subject of a notice under section 40B(3)(*a*) shall be taken to be the subject of that notice until the contrary is proved.

[9/2008]

(4) In determining for the purpose of any provision of this Act as to whether any machinery, equipment, plant, installation or article is of good construction, sound material, adequate strength or in accordance with the generally accepted

principles of safe and sound practice, regard shall be had to any relevant Singapore Standards established and published by the Standards, Productivity and Innovation Board under section 7(2)(*h*) of the Standards, Productivity and Innovation Board Act (Cap. 303A) or such other standards, codes of practice or guidance acceptable to the Council.

[9/2008]

PART IX

INSPECTIONS AND OTHER POWERS OF ENFORCEMENT

Powers of inspectors

41. —(1) An inspector shall, for the purposes of the execution of this Act, have power to do all or any of the following:

(a) to enter, inspect and examine at any time any workplace;

(b) to enter, inspect and examine at all reasonable times any place which he has reasonable cause to believe to be —

(i) a workplace; or

(ii) a place of which a workplace forms a part;

(c) to inspect and examine any machinery, equipment, plant, installation or article in any place referred to in paragraphs (*a*) and (*b*);

(d) to require the production of workplace records, certificates, notices and documents kept or required to be kept under this Act, and to inspect, examine and make a copy of any of them;

(e) to make such examination and inquiry as may be necessary to ascertain whether the provisions of this Act are complied with, so far as regards any workplace and any person at work;

(f) to require any person whom he finds in a workplace to give such particulars of the employer and the occupier of the workplace as are within his knowledge;

(g) in the case of an inspector who is a registered medical practitioner, to carry out on any person who is or had been working in a workplace such medical examinations as may be necessary for the purposes of his duties under this Act;

(h) to take samples of any material or substance found in a workplace or being discharged from any workplace for the purpose of analysis or test;
(i) to assess the levels of noise, illumination, heat or harmful or hazardous substances in any workplace and the exposure levels of persons at work therein;
(j) to require any hospital, medical clinic or mortuary to provide any information (including the medical records) of any person who is or had been working in a workplace who is injured in an accident in a workplace or who is suspected of suffering from an occupational disease contracted from a workplace and is receiving treatment at the hospital or medical clinic;
(k) to take such photographs or video recording as he thinks necessary to record the conditions in a workplace and the processes carried on therein which may be dangerous to the safety or health of the persons at work therein;
(l) to require any person to produce any article which is relevant to any investigation or inquiry under this Act and, if necessary, to take into custody any such article;
(m) to require any person whom he finds in the workplace to produce evidence of the person's identity.

[9/2008]

(2) Any person who is found in a workplace shall render all necessary assistance and co-operation to the inspector as are necessary for an entry, inspection, examination, inquiry, the taking of samples or otherwise for the exercise of his powers under this Act in relation to that workplace.
(3) If entry to a workplace cannot be obtained, an inspector may —
(a) break open any outer or inner door or window leading to the workplace;
(b) forcibly enter such workplace and every part thereof; or
(c) remove by force any obstruction to such entry or search.
(4) Any person who —
(a) obstructs or delays an inspector in the exercise of his power under this section;
(b) fails to comply with any order of an inspector under this section, or fails to produce any record, certificate, notice or document which he is required by or under this Act to produce;

(c) withholds any information as to who the employer or occupier of the workplace is; or
(d) conceals or prevents or attempts to conceal or prevent a person from appearing before or being examined by an inspector,
shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

Power to take samples

42. —(1) An inspector may, at any time after informing the occupier of a workplace or any person apparently in charge of the workplace, take for analysis sufficient samples of —
(a) any substance used or intended to be used in the workplace;
(b) any substance found in the workplace that is required for the purposes of an investigation or inquiry under this Act;
(c) any substance the use or presence of which in the workplace is suspected to be prohibited under this Act; or
(d) any substance found in the workplace which, in his opinion, is likely or may prove on analysis to be likely to cause bodily injury to the persons at work in the workplace.
(2) The occupier of a workplace or any person apparently in charge of the workplace may, at the time when a sample is taken under this section, and on providing the necessary appliances, require the inspector to divide the sample into 3 parts, to mark and seal or fasten up each part in such manner as its nature permits, and —
(a) to deliver one part to the occupier of the workplace or the person apparently in charge of the workplace;
(b) to retain one part for future comparison; and
(c) to submit one part to the Health Sciences Authority, or any testing laboratory as the Commissioner may appoint, for analysis.
(3) A certificate purporting to be a certificate by an analyst employed by the Health Sciences Authority or the testing laboratory appointed by the Commissioner under subsection (2)(*c*) as to the result of an analysis of a sample

under this section shall be admissible in any proceedings under this Act as evidence of the matters stated therein, but either party may require the person by whom the analysis was made to be called as a witness.

(4) No person shall interfere with any equipment, instrument or device used for monitoring the workplace or taking samples for analysis.

(5) Any person who —

(a) contravenes subsection (4); or

(b) without the permission of the Commissioner, publishes or discloses to any person the results of any analysis made under this section,

shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

Power to examine and secure attendance

43. —(1) An inspector may —

(a) examine orally any person supposed to be acquainted with the facts and circumstances of any accident or dangerous occurrence or occupational disease occurring in the workplace, or with respect to any matter under this Act, and to reduce to writing any statement made by the person so examined; and

(b) require by order in writing the attendance before himself of any person, being within the limits of Singapore, who, from information given or otherwise, appears to be acquainted with the facts and circumstances of matters under this Act and that person shall attend as so required.

(2) The person referred to in subsection (1)(*a*) shall be bound to state truly the facts and circumstances with which he is acquainted concerning matters under this Act, except only that he may decline to make with regard to any fact or circumstance, a statement which would have a tendency to expose him to a criminal charge, penalty or forfeiture.

(3) A statement made under this section by any person shall be read over to him and shall, after correction, if necessary, be signed by him.

(4) If any person fails to attend as required by an order under subsection (1)(*b*), the inspector may report such failure to a Magistrate who may thereupon issue a warrant to secure the attendance of that person as required by the order.

Competency of inspector as witness

44. In any case where a prosecution under this Act is brought at the instance of, or is conducted by, an inspector, it shall not be an objection to the competency of an inspector to give evidence as a witness in any prosecution for an offence under this Act that the prosecution is brought at his instance, or conducted by him.

Persons not to reveal protected information

45. —(1) If a person exercising any function under this Act as an inspector obtains protected information about the affairs of another person, he shall not disclose that protected information to any other person unless the disclosure —

(a) is made with the written consent of the person to whom the information relates;

(b) is for the purpose of the administration or enforcement of this Act; or

(c) is in compliance with the requirement of any court, tribunal, authority or person having lawful authority to require the production of documents or the answering of questions.

(2) If any person acts in contravention of subsection (1), he shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $10,000 or to imprisonment for a term not exceeding 2 years or to both.

(3) For the purpose of this section, the reference to a person disclosing any protected information includes his permitting any other person to have any access to any record, document or other thing containing that information which is in his possession or under his control by virtue of his being or having been an inspector.

(4) In this section, "protected information" means information the disclosure of which would, or could reasonably be expected to disclose a trade secret or to adversely affect a person in relation to the lawful business affairs of that person.

PART X

OFFENCES, PENALTIES AND PROCEEDINGS

Unregistered factories

46. —(1) No person shall occupy or use any premises as a factory if —

(a) the regulations require the person to hold a certificate of registration of a factory or a factory permit issued under the regulations; and

(b) the person does not hold such a valid certificate of registration of a factory or factory permit.

(2) Any person who contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction —

(a) to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both; and

(b) in the case of a continuing offence, to a further fine not exceeding $500 or to further imprisonment for a term not exceeding 7 days or to both for every day or part thereof during which the offence continues after conviction.

Onus of proving what is reasonably practicable

47. Where in any proceedings for an offence under any provision in this Act, it is alleged that any person failed to comply with a duty to do something so far as is reasonably practicable, it shall be for the accused to prove that —

(a) it was not reasonably practicable to do more than what was in fact done to satisfy that duty; or

(b) there was no better practicable means than was in fact used to satisfy that duty.

Offences by bodies corporate, etc.

48. —(1) Where an offence under this Act has been committed by a body corporate, an officer of the body corporate shall be guilty of the offence and shall be liable to be proceeded against and punished accordingly unless he proves that —

(a) the offence was committed without his consent or connivance; and

(b) he had exercised all such diligence to prevent the commission of the offence as he ought to have exercised having regard to the nature of his functions in that capacity and to all the circumstances.

(2) Where the affairs of a body corporate are managed by its members, subsection (1) shall apply in relation to the acts and defaults of a member in

connection with his functions of management as if he were a director of the body corporate.

(3) Where an offence under this Act is committed by a partnership of individuals or bodies corporate, any partner of the partnership or any officer of the body corporate shall be guilty of the offence and shall be liable to be proceeded against and punished accordingly unless he proves that —

(a) the offence was committed without his consent or connivance; and

(b) he had exercised all such diligence to prevent the commission of the offence as he ought to have exercised having regard to the nature of his functions in that capacity and to all the circumstances.

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(4) Where an offence under this Act is committed by an unincorporated association (other than a partnership), any officer of the unincorporated association or member of its governing body shall be guilty of the offence and shall be liable to be proceeded against and punished accordingly unless he proves that —

(a) the offence was committed without his consent or connivance; and

(b) he had exercised all such diligence to prevent the commission of the offence as he ought to have exercised having regard to the nature of his functions in that capacity and to all the circumstances.

(5) In this section —

"body corporate" includes a limited liability partnership;

"officer" —

(a) in relation to a body corporate, means any director, partner, member of the committee of management, chief executive, manager, secretary or other similar officer of the body corporate and includes any person purporting to act in any such capacity; and

(b) in relation to an unincorporated association (other than a partnership), means the president, the secretary, or any member of the committee of the unincorporated association, or any person holding a position analogous to that of the president, secretary or member of the committee and includes any person purporting to act in any such capacity;

"partner" includes a person purporting to act as a partner.

(6) Regulations may provide for the application of any provision of this section, with such modifications as the Minister considers appropriate, to any body corporate or unincorporated association formed or recognised under the law of a territory outside Singapore.

Arrest of person accused of offence under section 15(3) or 21(7)

49. —(1) Any person reasonably suspected of having committed an offence under section 15(3) or 21(7) may be arrested without warrant by any police officer or by any inspector authorised by the Commissioner in that behalf and produced before a Magistrate"s Court or a District Court.

(2) Notwithstanding any other written law, any police officer or inspector who, having effected an arrest in accordance with subsection (1), is satisfied as to the identity, name and place of residence of the person arrested may, instead of producing the person before a court or to a police station, serve upon the person a prescribed notice requiring the person to attend at such court, at such time and on such date as may be specified in the notice.

(3) For the purpose of satisfying himself as to the identity of the person arrested, the police officer or inspector may require such evidence of identity as he may consider necessary to be furnished by the person.

(4) A duplicate of the notice served under subsection (2) shall be prepared by the police officer or inspector, as the case may be, and produced by him to the court if so required by the court.

(5) Where an accused person appears before a court in accordance with a notice served under subsection (2), the court shall take cognizance of the offence alleged and shall proceed as though he were produced before it in pursuance of subsection (1).

(6) If a person upon whom a notice has been served under subsection (2) fails to appear before a court in accordance with the notice, the court may issue a warrant for the arrest of that person.

(7) Where a person arrested pursuant to a warrant issued under subsection (6) is produced before a court, the court shall proceed as though he were produced before it under subsection (1) and shall, at the conclusion of such proceedings,

call upon him to show cause why he should not be punished for failing to attend in compliance with the notice served under subsection (2).

(8) If due cause is not shown under subsection (7), the court may order the person to pay a fine not exceeding $2,000 or may commit him to prison for a term not exceeding 2 months.

General penalties

50. Any person guilty of an offence under this Act (but not including the regulations) for which no penalty is expressly provided by this Act shall be liable on conviction —

(a) in the case of a natural person, to a fine not exceeding $200,000 or to imprisonment for a term not exceeding 2 years or to both; and

(b) in the case of a body corporate, to a fine not exceeding $500,000,

and, if the contravention in respect of which he was so convicted continues after the conviction, he shall (subject to section 52) be guilty of a further offence and shall be liable to a fine —

(i) in the case of a natural person, not exceeding $2,000 for every day or part thereof during which the offence continues after conviction; or

(ii) in the case of a body corporate, not exceeding $5,000 for every day or part thereof during which the offence continues after conviction.

Penalty for repeat offenders

51. Where a person —

(a) has on at least one previous occasion been convicted of an offence under this Act (but not including the regulations) that causes the death of any person; and

(b) is subsequently convicted of the same offence that causes the death of another person,

the court may, in addition to any imprisonment if prescribed, punish the person with —

(i) in the case of a natural person, a fine not exceeding $400,000 and, in the case of a continuing offence, with a further fine not exceeding $2,000 for every day or part thereof during which the offence continues after conviction; and

(ii) in the case of a body corporate, a fine not exceeding $1 million and, in the case of a continuing offence, with a further fine not exceeding $5,000 for every day or part thereof during which the offence continues after conviction.

Power of court to order cause of contravention to be remedied

52. —(1) Where any person is convicted of an offence under this Act, the court may, in addition to or instead of imposing any penalty, order him to take, within the time specified in the order (or within such further time as the court may allow), such steps as may be so specified for remedying the matters in respect of which the contravention occurred.

(2) Subject to subsection (3), where an order is made under subsection (1), the convicted person shall not be liable under this Act in respect of the continuation of the contravention during the time specified in the order or allowed by the court to remedy the matters in respect of which the contravention occurred.

(3) If, after the expiration of the time specified in the order or allowed by the court under subsection (1) following a conviction of an offence, the order is not complied with, the person referred to in that subsection shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000 for every day during which the non-compliance continues after the date of conviction for that first-mentioned offence.

Forgery of certificates, false entries and false declarations

53. If any person —

(a) forges or counterfeits any certificate required by, under, or for the purposes of, this Act;

(b) gives or signs any certificate required by, under, or for the purposes of, this Act knowing it to be false in any material particular;

(c) knowingly utters or makes use of any certificate required by, under, or for the purposes of, this Act that is forged, counterfeited or false;

(d) knowingly utters or makes use of, as applying to any person, any certificate required by, under, or for the purposes of, this Act which does not so apply;

(e) personates any person named in any certificate required by, under, or for the purposes of, this Act;

(f) falsely pretends to be an inspector;

(g) wilfully connives at any of the matters referred to in paragraphs (*a*) to (*f*);
(h) wilfully makes a false entry in any record, certificate, notice or document required by, under, or for the purposes of, this Act to be kept, served or sent;
(i) wilfully makes or signs a declaration required by, under, or for the purposes of, this Act which is false; or
(j) knowingly makes use of any false entry or declaration referred to in paragraph (*h*) or (*i*),
he shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

Jurisdiction of court

54. Notwithstanding any provision to the contrary in the Criminal Procedure Code (Cap. 68), a District Court shall have jurisdiction to try any offence under this Act and shall have power to impose the full penalty or punishment in respect of the offence.

When Magistrate may take cognizance of offence

55. For the purpose of section 133 of the Criminal Procedure Code and notwithstanding subsections (1) and (2) thereof, a Magistrate may take cognizance of an offence under this Act upon receiving a complaint in writing and signed by an inspector.

Composition of offences

56. —(1) The Commissioner may, in his discretion, compound any offence under this Act which is prescribed as a compoundable offence by collecting from a person reasonably suspected of having committed the offence a sum not exceeding one half of the amount of the maximum fine that is prescribed for the offence or a sum of $5,000, whichever is the lower.
(2) On payment of such sum of money, no further proceedings shall be taken against that person in respect of the offence.
(3) All sums collected under this section shall be paid to the Consolidated Fund.

Power to modify agreements

57. —(1) If, by reason of an agreement between the owner and the occupier of the workplace, the whole or any part of which has been let as a workplace, the

owner or the occupier of the workplace is prevented from carrying out any structural or other alterations in the premises which are necessary to enable him to comply with the provisions of this Act or in order to conform with any standard or requirement imposed by or under this Act, the owner or the occupier of the workplace may apply to the High Court for the terms of the agreement to be set aside or modified.

(2) The High Court may, after hearing the parties and any witness whom they may desire to call, make such an order setting aside or modifying the terms of the agreement as the Court considers just and equitable in the circumstances of the case.

Power to apportion expenses

58. —(1) Where in any premises the whole or any part of which has been let as a workplace any structural or other alterations are required in order to comply with the provisions of this Act or to conform with any standard or requirement imposed by or under this Act, and the owner or occupier of the workplace, as the case may be, alleges that the whole or part of the expenses of the alterations ought to be borne by the owner or occupier of the workplace, the owner or occupier of the workplace may apply to the High Court for the expenses of the alterations to be apportioned between them.

(2) The High Court may, after hearing the parties and any witness whom they may desire to call, make such an order concerning the apportionment of their expenses as the Court considers just and equitable in the circumstances of the case, regard being had to the terms of any contract between the parties, or in the alternative, the Court may, at the request of the owner or occupier of the workplace, determine the lease.

PART XI

GENERAL

Relation to other laws

59. Nothing in this Act or in any approved code of practice shall derogate from the effect of any other written law for the time being in force.

Civil liability

60. —(1) Nothing in this Act shall be construed —

(a) as conferring a right of action in any civil proceedings in respect of any contravention, whether by act or omission, of any provision of this Act; or

(b) as conferring a defence to an action in any civil proceedings or as otherwise affecting a right of action in any civil proceedings.

(2) Subsection (1) shall not affect the extent (if any) to which a breach of duty imposed under any written law is actionable.

Protection from personal liability

61. —(1) No action, suit or other legal proceedings shall lie personally against —

(a) the Commissioner;

(b) a Deputy Commissioner;

(c) an inspector; or

(d) an authorised examiner,

for any damage done to any item specified in subsection (2) in the course of carrying out in good faith any prescribed examination or test of the item.

(2) Subsection (1) shall apply only in respect of the following items:

(a) a hoist or lift;

(b) a lifting gear;

(c) a lifting appliance or lifting machine;

(d) a steam boiler;

(e) a steam receiver;

(f) an air receiver;

(g) a refrigerating plant pressure receiver;

(h) a pressure vessel; or

(i) any other machinery required by this Act to be examined or tested by an authorised examiner.

(3) No action, suit or other legal proceedings shall lie personally against the Commissioner or any Deputy Commissioner for anything done or omitted to be done in good faith in the course of or in connection with the performance or purported performance of any duty or function under section 21.

Exempt workers, workplaces and equipment, etc.

62. —(1) The provisions of this Act shall not apply to such persons at work as are specified in the Sixth Schedule, notwithstanding that their work is carried out or performed in a workplace specified in the First Schedule.

(2) The Minister may, by order published in the *Gazette* and with or without conditions, exempt —

(a) any class or description of workplaces from all or any of the provisions of this Act;

(b) any class or description of persons from compliance with all or any of the provisions of this Act; or

(c) any class or description of machinery, equipment, plant, installation or articles from all or any of the provisions of this Act.

(3) The Commissioner may, subject to any general or special directions of the Minister, by a certificate in writing, with or without conditions, exempt —

(a) any machinery, equipment, plant, installation or article that is identified specifically in the certificate from all or any of the provisions of this Act; or

(b) any person identified specifically in the certificate from compliance with all or any of the provisions of this Act.

(4) If an exemption is granted under this section with conditions, the exemption operates only if the conditions are complied with.

Service of documents, etc.

63. —(1) Any document (including any summons or order) required or authorised to be served under this Act may be served —

(a) on any person by delivering it to him, or by leaving it at, or sending it by registered post to, his residence;

(b) on any firm by delivering it to any partner of the firm, or by leaving it at, or sending it by registered post to, an office of the firm; or

(c) on the owner of any premises, the owner of any equipment or occupier of the workplace (including any such owner or occupier of the workplace being a company registered under the Companies Act (Cap. 50), or a co-operative society registered under the Co-operative Societies Act (Cap. 62)) in any such manner as

aforesaid or by delivering it, or a true copy thereof, to the manager, foreman or other responsible person at the workplace.

(2) Any such document may be addressed, for the purpose of the service thereof on the occupier of a workplace, to "the occupier of the workplace" at the proper postal address of the workplace, without further name or description.

(3) Subsections (1) and (2) shall apply, with the necessary modifications, to documents required or authorised under this Act to be sent to any person, firm, owner or occupier of the workplace, and to the sending, addressing and delivering of such documents.

Amendment of Schedules

64. —(1) Subject to section 2(2) and this section, the Minister may, by order published in the *Gazette*, amend any of the Schedules.

(2) The Minister may prescribe in the order under subsection (1) such transitional, incidental and consequential provisions as may be necessary or expedient.

(3) Every order made under subsection (1) shall be presented to Parliament as soon as possible after publication in the *Gazette*.

Regulations

65. —(1) The Minister may make regulations for carrying out the purposes and provisions of this Act.

(2) Without prejudice to the generality of subsection (1), the Minister may make regulations for or with respect to all or any of the following matters:

(a) any matter relating to the registration of a factory, including —

(i) the class or description of factories which require registration;

(ii) the form and manner of application for the registration;

(iii) the conditions of registration;

(iv) the circumstances under which an application for registration may be granted or refused;

(v) the issuance of a certificate of registration of a factory or a factory permit in lieu of such a certificate;

(vi) the duration of a certificate of registration of a factory or factory permit;

(vii) the form, custody and maintenance of any register to be kept by the Commissioner of any premises registered as a factory or in respect of which a factory permit is issued;
(viii) the circumstances under which a certificate of registration of a factory or a factory permit may be renewed, extended or revoked;
(ix) the imposition of any duty on the occupier of a factory to provide such information to the Commissioner with respect to any change in any matter in relation to the factory;
(x) the bringing of appeals to the Minister in respect of the registration of factories or the issue of factory permits;
(b) the lighting, ventilation, temperature, humidity, radiant heat, noise, drainage and hygiene in workplaces, and the fixing of standards therefor;
(c) the provision of first-aid resources and the appointment of first-aiders in workplaces;
(d) the procedures and resources required in case of fire at any workplace;
(e) the means, if any, required for removing impurities from the air in workplaces and for reducing excessive heat and noise in workplaces;
(f) the permissible exposure levels, control and disposal of any toxic or noxious materials, whether solid, liquid, gaseous or vaporous;
(g) the handling, storage and disposal of any harmful organisms and biohazardous material;
(h) the use and control of, and the safeguards and safety measures when using, any dangerous machinery or equipment;
(i) the types of clothing and appliances to be provided for use at work;
(j) in relation to any hoist or lift, lifting gear, lifting appliance and lifting machine, steam boiler, steam receiver, air receiver, refrigerating plant pressure receiver, or any other machine —
(i) the conditions under which it may be used and any safety requirement in relation to its use;
(ii) its construction, use or maintenance;
(iii) the issue of certificates of competency to persons who may operate, or take charge of and control over it;

(iv) any examination or test which is required to be conducted on it;
(v) the person who may examine or test it to ensure its safe working condition;
(vi) the manner in which any examination or test is to be carried out;
(vii) the frequency of such examination or test;
(viii) the form, custody and inspection of any certificate or report of such examination or test;
(ix) the duty of any approved person who conducts such examination or test; and
(x) the imposition of any duty on any person in order to ensure its safe operation or the safety of persons at work;
(k) the fees to be paid in respect of any matter or thing done or document issued under this Act;
(l) the issue of certificates of competency to persons taking charge of or operating internal combustion engines;
(m) the nature of the examination for certificates of competency to be issued to persons taking charge of or operating steam boilers or internal combustion engines, the constitution of a board of examiners, the form of the certificates of competency, and the fees to be paid for such examination and certificates;
(n) the accreditation of accredited training providers to conduct safety and health training courses for persons who are required to attend such courses under this Act, the establishment of a scheme to accredit training providers, and the fees to be paid by the accredited training providers under that scheme;
(o) the nature of any gas plant that may be used;
(p) the type of fittings and pipes that may be used in all or any types of gas plant;
(q) the inspection of gas plants;
(r) the prevention or minimisation of risk of bodily injury or injury to health where any manufacture, machinery, equipment, installation, plant, article or process used or work carried out in any workplace involves such risk;
(s) the arrangements to be made for the medical supervision and medical examination (not including medical treatment of a preventive character), and for the removal from exposure of risk of any person or any class of persons at work;
(t) the health, safety and welfare in respect of the following types of work:

(i) building operations undertaken by way of trade or business, or for the purpose of any industrial or commercial undertaking;
(ii) work of engineering construction undertaken by way of trade or business, or for the purpose of any industrial or commercial undertaking;
(iii) design and management of building operations or work of engineering construction;
(iv) work involving the use of or exposure to pesticides;
(v) maintenance and repair of roads;
(vi) building renovation work;
(vii) lift maintenance and repair;
(viii) work in confined spaces;
(ix) work involving the use of visual display units;
(x) work involving a steam boiler, a steam receiver or an air receiver; and
(xi) any other process, work or operation —
(A) which is of such a nature as to cause any risk of bodily injury to any person at work; or
(B) which poses any health hazard to persons at work;
(u) the conduct of any risk assessment or safety and health arrangement and the duties of any occupier, employer or any other person in relation to the conduct of the risk assessment or the safety and health arrangement;
(v) the implementation of any safety and health management system and the duties of any occupier, employer or any other person in relation to the implementation of the safety and health management system;
(va) in relation to the Council, the payment of allowances to a member of the Council who is not a public servant;
(w) the prescribing of anything that is required or permitted to be prescribed under this Act.

[9/2008]

(3) The regulations made under this section may prescribe offences in respect of the contravention of any provision thereof, and may prescribe that fines not exceeding $20,000 and imprisonment not exceeding 2 years may, on conviction, be imposed in respect of any such offence.

(4) The regulations may impose duties on any person who has control or influence over any aspect of workplace safety or health, including but not limited to any occupier, owner, employer, manufacturer, designer or employed person.
(5) Regulations made under subsection (2)(*r*) may, among other things —
(a) prohibit the employment of, or modify or limit the hours of employment of, any person at work in connection with any manufacture, machinery, plant, process or description of work;
(b) prohibit, limit or control the use of any material or process;
(c) prescribe maximum weights which may be lifted, carried or moved by any person at work;
(d) prescribe the qualifications and minimum age of, and the training to be received by, persons who are at work using any machinery or plant; and
(e) prescribe the procedures to be undertaken before the work can be carried out.
(6) Regulations made under subsection (2)(*s*) may —
(a) require the medical supervision and medical examination under the regulations to be carried out by persons registered with the Commissioner; and
(b) prescribe the qualifications and other conditions to be satisfied for such registration.
(7) Regulations made under subsection (2)(*t*) may —
(a) apply any of the provisions of this Act to the classes of premises, processes or operations referred to in that subsection;
(b) impose duties on persons involved in the type of work referred to in that subsection, including any developer, contractor, architect or engineer; and
(c) prescribe the qualifications and training to be received by persons involved in the type of work referred to in that subsection.
(8) All regulations made under this section shall be presented to Parliament as soon as possible after publication in the *Gazette*.

Savings and transitional provisions

66. —(1) The person who, immediately before 1st March 2006, is the Chief Inspector shall be deemed to be the Commissioner for Workplace Safety and Health appointed under section 7(1) of this Act, but his appointment as the

Commissioner shall expire on the day his appointment as Chief Inspector would have expired if this Act had not been enacted.

(2) Any person who, immediately before 1st March 2006, is an inspector or officer appointed under section 84(1) of the repealed Act shall continue to hold such office as if he were appointed under section 7(3) of this Act.

(3) Every person who, immediately before 1st March 2006, is —

(a) a safety officer under section 71 of the repealed Act; or

(b) a safety co-ordinator under section 71A of the repealed Act,

shall continue in such appointments as if he were appointed as a workplace safety and health officer or a workplace safety and health co-ordinator under section 28 of this Act, respectively, and their respective appointments shall expire on the day their appointments would have expired if this Act had not been enacted.

(4) Every safety committee established under section 72 of the repealed Act immediately before 1st March 2006 shall, subject to the provisions of this Act, be deemed to be a workplace safety and health committee established under section 29 of this Act.

(5) Every person who, immediately before 1st March 2006, is an approved auditor under section 71B of the repealed Act shall continue in such appointment as if he were appointed as a workplace safety and health auditor under section 30 of this Act, and his appointment shall expire on the day his appointment would have expired if this Act had not been enacted.

(6) Every person who, immediately before 1st March 2006, is an approved person or authorised boiler inspector approved by the Chief Inspector under the repealed Act shall continue in such appointment as if he were an authorised examiner appointed under section 33 of this Act, and his appointment shall expire on the day his appointment would have expired if this Act had not been enacted.

(7) Any permit, certificate or report made, granted or approved under the repealed Act or its subsidiary legislation shall, so far as it is not inconsistent with the provisions of this Act and except as otherwise expressly provided in this Act

or in any other written law, continue and be deemed to have been made, granted or approved under the corresponding provisions of this Act.
(8) Any application or other document lodged for approval under the provisions of the repealed Act before 1st March 2006 and whose application was not approved before that date shall, where applicable, be deemed to be an application or a document lodged for approval under the corresponding provisions of this Act.
(9) Where an appeal has been made to the Minister under section 50 of the repealed Act and the appeal has not been dealt with or disposed of immediately before 1st March 2006, the appeal may be dealt with in accordance with that repealed section as if this Act had not been enacted.
(10) This Act shall not affect —
(a) any investigation or inquiry commenced or pending under Part V of the repealed Act before 1st March 2006, and every such investigation or inquiry may be continued and everything in relation thereto may be done in all respects after that date as if this Act had not been enacted;
(b) the continued operation or force of any order, direction or decision of the Chief Inspector or the Minister made under the repealed Act before 1st March 2006; and
(c) any right of appeal accrued before 1st March 2006 in respect of any such order, direction or decision.
(11) Any factory which, immediately before 1st March 2006, is registered under the repealed Act shall be deemed to be registered under the provisions of this Act.
(12) Any approval, notice, direction, order, requirement or exemption that —
(a) is given, issued or made under the repealed Act; and
(b) is in force immediately before 1st March 2006,
shall have effect for the purposes of any corresponding provision of this Act, unless this Act otherwise provides.
(13) Where any period of time specified in any provision in the repealed Act is current immediately before 1st March 2006, this Act shall have effect as if the corresponding provision in this Act had been in force when the period began to

run; and (without prejudice to the foregoing) any period of time so specified and current shall be deemed for the purposes of this Act —

(a) to run from the date or event from which it was running immediately before that date; and

(b) to expire (subject to any provision of this Act for its extension) whenever it would have expired if this Act had not been enacted,

and any rights, priorities, liabilities, reliefs, obligations, requirements, powers, duties or exemptions dependent on the beginning, duration or end of such a period as abovementioned shall be under this Act as they were or would have been under that provision in the repealed Act.

(14) Any subsidiary legislation made under the repealed Act and in force immediately before 1st March 2006 shall, so far as it is not inconsistent with the provisions of this Act, continue in force in factories as if made under this Act until it is revoked or repealed.

(15) Any written law or document referring to the repealed Act or any provision thereof shall, as far as may be necessary for preserving its effect, be construed as referring or as including a reference to this Act or the corresponding provision in this Act, as the case may be.

【별첨 2】

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WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A, SECTION 65)

WORKPLACE SAFETY AND HEALTH (FIRST-AID) REGULATIONS

Rg 4

G.N. No. S 137/2006

REVISED EDITION 2007

(1st October 2007)

[1st March 2006]

Citation

1. These Regulations may be cited as the Workplace Safety and Health (First-Aid) Regulations.

Definitions

2. In these Regulations, unless the context otherwise requires —

"dentist" means a registered dentist under the Dental Registration Act (Cap. 76) who has in force a practising certificate issued under that Act;

"first-aid" means —

(*a*) in cases where a person needs help from a medical practitioner or nurse, treatment for the purpose of preserving life and minimising the consequences of bodily injury until such help is obtained; or

(*b*) treatment of minor bodily injury which does not require treatment by a medical practitioner or nurse;

"hospital" means any premises used or intended to be used for the reception, lodging, treatment and care of persons who require medical treatment or care or who suffer from any disease, injury or disability of mind or body, and includes a maternity home and a nursing home;

"medical clinic" means any premises used or intended to be used by a medical practitioner, a dentist or any other person —

(*a*) for the diagnosis or treatment of persons suffering from, or believed to be suffering from, any disease, injury or disability of mind or body; or

(*b*) for curing or alleviating any abnormal condition of the human body by the application of any apparatus, equipment, instrument or device requiring the use of electricity, heat or light,

but does not include a hospital;

"medical practitioner" means a registered medical practitioner under the Medical Registration Act (Cap. 174) who has in force a practising certificate issued under that Act.

[S 514/2011 wef 10/09/2011]

Application

3. These Regulations shall not apply to —

(*a*) any hospital; and

(*b*) any medical clinic.

[S 514/2011 wef 10/09/2011]

Provision of first-aid boxes

4.—(1) Every workplace shall be provided with a sufficient number of first-aid boxes.

[S 514/2011 wef 10/09/2011]

(2) Where a workplace is located in a building, each floor of the building shall be provided with a sufficient number of first-aid boxes.

[S 514/2011 wef 10/09/2011]

(3) Every first-aid box provided in a workplace shall —

(*a*) be adequately equipped;

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WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A, SECTION 65)

WORKPLACE SAFETY AND HEALTH (GENERAL PROVISIONS) REGULATIONS

Rg 1

G.N. No. S 134/2006

REVISED EDITION 2007

(1st October 2007)

[1st March 2006]

PART I

PRELIMINARY

Citation

1. These Regulations may be cited as the Workplace Safety and Health (General Provisions) Regulations.

Definitions

2. In these Regulations, unless the context otherwise requires —

"competent person" means a person who has sufficient experience and training to perform the work required to be carried out, and has passed such courses as the Commissioner may require for that work;

"electrical equipment" —

(*a*) means any machine, appliance, apparatus or lighting fitting which consumes or utilises electricity in its operation or use; and

(*b*) includes any cable, wire and other device necessary to enable it to be connected to a source of electricity supply;

"hazardous substance" means any hazardous substance specified in Part II of the Fifth Schedule to the Act;

"PEL (Long Term)" means the permissible exposure level over an 8-hour working day and a 40-hour work week;

"PEL (Short Term)" means the permissible exposure level over a 15-minute period during any working day;

"permissible exposure level" means the maximum time weighted average concentration of a toxic substance to which any person may be exposed;

"plant" means any machinery, vessel, pipe or other apparatus or combination thereof which is connected or used for the purpose of making a product;

"safe working load" means —

(*a*) the safe working load specified in the certificate of test and examination obtained for the purposes of regulation 19, 20 or 21; or

(*b*) where there is no such certificate, the safe working load as ascertained by an authorised examiner;

"safe working pressure" means the pressure specified in the report of examination referred to in regulation 28, 29 or 31;

"tank" includes any pipe and valve thereof and all its fittings and attachments;

"time weighted average concentration" means the concentration determined by adding together the products of each concentration and the corresponding time over which that concentration was measured, and dividing the sum by the total time over which the measurements were taken;

"toxic substance" means any substance which may cause irritation, bodily injury or any harmful effect to a person through ingestion, inhalation or contact with any body surface, and includes any substance specified in the First Schedule;

"transmission machinery" means every shaft, wheel, drum, pulley, system of fast and loose pulleys, coupling, clutch, driving-belt or other device by which the motion of a prime mover is transmitted to or received by any machine or appliance.

[S 517/2011 wef 10/09/2011]

PART II

GENERAL PROVISIONS RELATING TO HEALTH

Infectious agents and biohazardous material

3.—(1) Where any person at work in any workplace carries out any process, operation or work involving exposure to any infectious agents or biohazardous material which may constitute a risk to his health, it shall be the duty of the employer of that person to take effective measures to protect that person from their harmful effects.

[S 517/2011 wef 10/09/2011]

(2) In this regulation, "biohazardous material" includes —

(*a*) any substance which contains toxins;

(*b*) any biological waste;

(*c*) any culture medium;

(*d*) any contaminated blood, urine or faeces;

(*e*) any infected tissue or organ; and

(*f*) any infected animal.

Overcrowding

4. It shall be the duty of the occupier of a workplace to ensure that while work is carried on in the workplace, the workplace is not overcrowded so as to pose safety and health risks to the persons at work therein.

[S 517/2011 wef 10/09/2011]

Ventilation

5.—(1) Subject to paragraph (3), it shall be the duty of the occupier of a workplace to ensure that every workroom of the workplace is provided with adequate ventilation.

[S 517/2011 wef 10/09/2011]

(2) Where gases, vapours or other impurities are generated in the course of any process or work carried out in a workplace which may be injurious to health, it shall be the duty of the occupier of the workplace to provide effective and suitable ventilation —

(*a*) for securing and maintaining the circulation of fresh air in the workplace; and

(*b*) to render harmless, so far as is reasonably practicable, all such gases, vapours or other impurities.

[S 517/2011 wef 10/09/2011]

(3) This regulation shall not apply to any workplace where it is impracticable to make provision for adequate ventilation and where suitable air-supplied breathing apparatus is provided to persons at work in the workplace.

[S 517/2011 wef 10/09/2011]

Lighting

6. It shall be the duty of the occupier of a workplace to provide and maintain sufficient and suitable lighting, whether natural or artificial, in every part of the workplace in which persons are at work or passing.

[S 517/2011 wef 10/09/2011]

Drainage of floors

7. In any workplace where any process is carried on which renders the floor liable to be wet, it shall be the duty of the occupier of the workplace to provide and maintain, so far as is reasonably practicable, effective means for draining off the wet.

[S 517/2011 wef 10/09/2011]

Sanitary conveniences

8. It shall be the duty of the occupier of a workplace —

(*a*) to provide, maintain and keep clean, sufficient and suitable sanitary conveniences for the persons at work in the workplace; and

(*b*) to provide and maintain sufficient and suitable lighting for these sanitary conveniences.

[S 517/2011 wef 10/09/2011]

Reduction of vibration

9. In any workplace where persons are at work in any process or operation which involves exposure to vibration which may constitute a risk to their health, it shall be the duty of the occupier of the workplace to provide, so far as is reasonably practicable, effective means to reduce the vibration.

[S 517/2011 wef 10/09/2011]

Protection against excessive heat or cold and harmful radiations

10. It shall be the duty of the occupier of a workplace to take all reasonably practicable measures to ensure that persons at work in the workplace are protected from excessive heat or cold and harmful radiations.

[S 517/2011 wef 10/09/2011]

PART III

Prime movers

11. Subject to regulation 13, it shall be the duty of the occupier of a workplace to ensure that in every workplace where a prime mover is used, every flywheel connected to the prime mover and every moving part of the prime mover is securely fenced, whether the flywheel or prime mover is situated in the engine house or not.

[S 517/2011 wef 10/09/2011]

Electric generator, motor, transmission machinery, etc.

12.—(1) Subject to regulation 13, it shall be the duty of the occupier of a workplace to ensure that every dangerous part (including any flywheel) of any electric generator, motor, transmission machinery or other machinery in the workplace is securely fenced unless the dangerous part of the generator, motor or machinery —

(*a*) is in such a position or of such construction as to be safe to every person at work in the workplace as it would be if securely fenced; or

(*b*) is made safe for persons at work in the workplace by other effective means which will protect the persons from being injured by the dangerous part when that part is in motion or in use.

[S 517/2011 wef 10/09/2011]

(2) It shall be the duty of the occupier of a workplace to ensure that in any room or place in the workplace where transmission machinery is used, there is provided and maintained efficient devices or appliances in that room or place by which the power can promptly be cut off from the transmission machinery.

[S 517/2011 wef 10/09/2011]

(3) Without prejudice to the generality of paragraph (1), it shall be the duty of the occupier of a workplace to ensure that any part of a stock-bar used in a workplace which projects beyond the headstock of a lathe is securely fenced or is otherwise made safe to every person at work in the workplace.

[S 517/2011 wef 10/09/2011]

Removal of fencing from machinery

13.—(1) Subject to paragraph (2), the fencing or other effective means referred to in regulations 11 and 12(1) which are used to render machinery safe may be removed to such extent as is necessary when —

(*a*) a person is carrying out in the workplace, while the part of machinery is in motion —

(i) any examination of the machinery or part of the machinery; or

(ii) any lubrication or adjustment shown by such examination to be immediately necessary,

being an examination, a lubrication or an adjustment which is necessary to be carried out while the part of machinery is in motion; or

[S 517/2011 wef 10/09/2011]

(*b*) a person is carrying out in the workplace any lubrication or any mounting or shifting of belts in respect of any part of a transmission machinery and if —

(i) the Commissioner has determined that, owing to the continuous nature of such process, the stopping of that part would seriously interfere with the carrying on of the process in the workplace; and

(ii) the lubrication or mounting or shifting of belts is carried out by such methods and in such circumstances and subject to such conditions as the Commissioner may determine.

[S 517/2011 wef 10/09/2011]

(2) Paragraph (1) shall only apply where —

(*a*) the relevant examination, lubrication or other operation is carried out by a person who —

(i) has attained the age of 18 years;

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(ii) has been trained to carry out, and is acquainted with the dangers of moving machinery connected with the relevant examination, lubrication or other operation; and

(iii) is wearing clothing which has no loose ends and which is fastened by means having no exposed loose ends;

(*b*) another person, instructed as to the steps to be taken in case of an emergency, is immediately available within sight or hearing of the person carrying out the relevant examination, lubrication or other operation; and

(*c*) any ladder or work platform in use for the carrying out of the relevant examination, lubrication or other operation is securely fixed or lashed, or is firmly held by a person stationed at the foot of the ladder.

Electrical installation and equipment

14.—(1) It shall be the duty of the occupier of a workplace to ensure that every electrical installation and electrical equipment in the workplace —

(*a*) is of good construction, sound material and free from defects; and

(*b*) is used and maintained in such manner so that it is safe to use.

[S 517/2011 wef 10/09/2011]

(2) It shall be the duty of the occupier of a workplace to ensure that all reasonably practicable measures are taken to protect any person against the risks of electric shock arising from or in connection with the use at work of any electrical installation or equipment in the workplace.

[S 517/2011 wef 10/09/2011]

Construction and maintenance of fencing or other safeguards

15.—(1) It shall be the duty of the occupier of a workplace to ensure that all fencing or other safeguards required to be provided for the purposes of regulations 11 and 12 are —

(*a*) of substantial construction;

(*b*) properly maintained; and

(*c*) kept in position and properly adjusted to render the machinery safe for any person while the parts required to be fenced or safeguarded are in motion or in use.

[S 517/2011 wef 10/09/2011]

(2) Paragraph (1)(*c*) shall not apply where —

(*a*) the parts mentioned in that paragraph are necessarily exposed in motion for examination and for any lubrication or adjustment shown by such examination to be immediately necessary; and

(*b*) all the conditions specified in regulation 13(2) are complied with.

Lock-out procedures

16.—(1) It shall be the duty of the occupier of a workplace to establish and implement lock-out procedures relating to the inspection, cleaning, repair or maintenance of any plant, machinery, equipment or electrical installation in the workplace that, if inadvertently activated or energised, is liable to cause bodily injury to any person.

[S 517/2011 wef 10/09/2011]

(2) It shall be the duty of the occupier of a workplace to ensure that every person carrying out any inspection, cleaning, repair or maintenance of any plant, machinery, equipment or electrical installation in the workplace is fully instructed on the lock-out procedures for that work before commencing that work.

[S 517/2011 wef 10/09/2011]

(3) In this regulation, "lock-out procedures" means a set of procedures —

(*a*) to ensure that all energy sources to the relevant plant, machinery, equipment or electrical installation are isolated, disconnected or discharged; and

(*b*) to prevent any part of the plant, machinery, equipment or electrical installation from being inadvertently activated or energised.

rotective measures relating to tanks, structures, sumps or pits containing dangerous substances

17.—(1) Where any tank, structure, sump or pit in a workplace contains any scalding, burning, corrosive or toxic liquid and the dge of the tank, structure, sump or pit is less than one metre above the highest ground or platform from which a person might fall into it, it shall be the duty of the occupier of the workplace to ensure that —

(*a*) the tank, structure, sump or pit is securely covered or is securely fenced to a height of at least one metre above that ground or platform; or

(*b*) where by reason of the nature of the work, neither secure covering nor secure fencing to that height is practicable, all reasonably practicable steps are taken by covering, fencing or other means to prevent any person from falling into the tank, structure, sump or pit.

[S 517/2011 wef 10/09/2011]

(2) Where any tank, structure, sump or pit in a workplace contains any scalding, burning, corrosive or toxic liquid but is not securely covered, it shall be the duty of the occupier of the workplace to ensure that no ladder, stair or gangway is placed above, across or inside it unless the ladder, stair or gangway is —

(*a*) at least 500 millimetres wide; and

(*b*) securely fenced to a height of at least one metre and securely fixed.

[S 517/2011 wef 10/09/2011]

(3) Where any such tank, structure, sump or pit in a workplace referred to in paragraph (2) adjoins another tank, structure, sump or pit, and —

(*a*) the space between them, clear of any surrounding brick or other work, is less than 500 millimetres in width; or

(*b*) each tank, structure, sump or pit is not securely fenced to a height of at least one metre,

it shall be the duty of the occupier of the workplace to ensure that secure barriers are so placed as to prevent passage between them.

[S 517/2011 wef 10/09/2011]

(4) For the purposes of this regulation, a ladder, stair or gangway shall not be considered to be securely fenced unless it is provided either with sheet fencing or with an upper and a lower rail and toe boards.

(5) Where any tank, structure, sump or pit in a workplace contains any scalding, burning, corrosive or toxic liquid, it shall be the duty of the occupier of the workplace to ensure that a warning notice indicating the nature of the danger and in a form readily understood by persons at work in that workplace —

(*a*) is marked on or attached to the tank, structure, sump or pit; or

(*b*) if this is not reasonably practicable, is posted nearby.

[S 517/2011 wef 10/09/2011]

Self-acting machines

18.—(1) It shall be the duty of the occupier of a workplace to take all reasonably practicable steps to ensure that any self-acting machine in the workplace poses no risk to the safety and health of any person working in the workplace.

[S 517/2011 wef 10/09/2011]

(2) The reasonably practicable steps include the following:

(*a*) ensuring that no traversing part of any self-acting machine nor any material carried thereon shall, if the space into which it runs is a space over which any person (whether or not at work) is liable to pass, be less than 500 millimetres measured from any fixed structure not being part of the machine to the furthest point of its inward or outward traverse;

(*b*) ensuring that no person at work in the workplace shall, when the machine is in operation, be in the space between any traversing part of the machine and any fixed part of the machine towards which the traversing part moves on the inward run; and

[S 517/2011 wef 10/09/2011]

(*c*) displaying on such machinery or at a place nearest to the process or work a notice written in languages understood by the persons at work using such machinery or in any such process or work describing the safety measures to be observed.

Hoists and lifts

19.—(1) No hoist or lift shall be used in a workplace unless an authorised examiner has —

(*a*) tested and examined the hoist or lift after its installation; and

(*b*) issued and signed a certificate of test and examination, specifying the safe working load of the hoist or lift.

[S 517/2011 wef 10/09/2011]

(2) The certificate of test and examination referred to in paragraph (1)(*b*) shall be kept available for inspection.

(3) Subject to paragraph (10)(*c*), every hoist or lift used in a workplace shall be thoroughly examined by an authorised examiner at least once every 6 months or at such other intervals as the Commissioner may determine.

[S 517/2011 wef 10/09/2011]

(4) Every hoistway or liftway used in a workplace shall be efficiently protected by a substantial enclosure fitted with gates that will, when the gates are shut, prevent any person from falling down the way or coming into contact with any moving part of the hoist or lift.

[S 517/2011 wef 10/09/2011]

(5) Subject to paragraph (10)(*b*), any gate referred to in paragraph (4) shall be fitted with efficient interlocking or other devices to ensure that —

(*a*) the gate cannot be opened except when the cage or platform is at the landing; and

(*b*) the cage or platform cannot be moved away from the landing until the gate is closed.

(6) Every hoist or lift and every enclosure referred to in paragraph (4) shall be so constructed as to prevent any part of any person or any goods carried in the hoist or lift being trapped between —

(*a*) any part of the hoist or lift and any fixed structure; or

(*b*) the counterbalance weight and any other moving part of the hoist or lift.

(7) Every hoist or lift shall be marked conspicuously with the maximum working load which it can safely carry.

(8) No hoist or lift shall be used in a workplace to carry a load exceeding its maximum working load.

[S 517/2011 wef 10/09/2011]

(9) The following additional requirements shall apply to lifts used in a workplace:

(*a*) efficient automatic devices shall be provided and maintained to prevent the cage or platform from over-running;

(*b*) every cage shall, on each side from which access is afforded to a landing, be fitted with a gate with efficient devices to ensure that, when persons or goods are in the cage, the cage —

(i) cannot be raised or lowered unless all the gates are closed; and

(ii) will come to rest when a gate is opened; and

(*c*) where the cage or platform of the lift is suspended by rope or chain —

(i) the cage or platform shall be separately connected with at least 2 ropes or chains, each rope or chain and its attachments being capable of carrying the whole weight of the cage or platform and its maximum working load; and

(ii) efficient devices shall be provided and maintained which will support the cage or platform with its maximum working load in the event of a breakage of the ropes or chains or any of their attachments.

[S 517/2011 wef 10/09/2011]

(10) In the case of a hoist or lift used in a workplace which is not powered with mechanical power —

(*a*) paragraph (9) shall not apply;

(*b*) the gate referred to in paragraph (4) shall be kept closed and fastened except when the cage or platform is at rest at the landing; and

(*c*) a thorough examination of the hoist or lift shall be carried out at least once every year by an authorised examiner.

[S 517/2011 wef 10/09/2011]

(11) Where a hoistway or liftway inside a workplace passes through 2 or more floors —

(*a*) the hoistway or liftway shall be completely enclosed with fire-resisting materials, except that the top shall be enclosed only by some material easily broken in case of fire, or be provided with a vent; and

(*b*) all means of access to the hoist or lift shall be fitted with doors of fire-resisting materials.

[S 517/2011 wef 10/09/2011]

(12) It shall be the duty of the occupier of a workplace in which a hoist or lift is used to comply with paragraphs (1) to (11).

[S 517/2011 wef 10/09/2011]

(13) It shall be the duty of an authorised examiner to —

(*a*) issue and sign a certificate, in a form determined by the Commissioner, of the result of the examination referred to in paragraph (3);

(*b*) provide the certificate referred to in sub-paragraph (*a*) to the occupier of the workplace;

[S 517/2011 wef 10/09/2011]

(*c*) inform the Commissioner —

(i) as soon as is reasonably practicable, if the examination shows that the hoist or lift cannot continue to be used safely unless repairs are made; or

(ii) in any other case, within 28 days of the completion of the examination, of the results of the examination in a manner acceptable to the Commissioner; and

(*d*) exercise all due diligence in making any certification or in conducting any test or examination of any hoist or lift under this regulation.

(14) For the purposes of this regulation, no lifting machine or appliance shall be considered to be a hoist or lift unless it has a cage or platform and the direction of movement of the cage or platform is restricted by a guide or guides.

(15) This regulation shall not apply to any lift which has been inspected and tested under the Building Maintenance and Strata Management (Lift and Building Maintenance) Regulations 2005 (G.N. No. S 194/2005) and for which a Certificate of Lift Maintenance and Testing has been lodged with the Commissioner of Buildings.

Lifting gears

20.—(1) No lifting gear of whatever material shall be used in a workplace unless an authorised examiner has —

(*a*) tested and examined the lifting gear; and

(*b*) issued and signed a certificate of test and examination, specifying the safe working load of the lifting gear.

[S 517/2011 wef 10/09/2011]

(2) The certificate of test and examination referred to in paragraph (1)(*b*) shall be kept available for inspection.

(3) Every lifting gear used in a workplace shall be thoroughly examined by an authorised examiner at least once every year or at such other intervals as the Commissioner may determine.

[S 517/2011 wef 10/09/2011]

(4) Subject to paragraph (5), every lifting gear shall be annealed at the following intervals:

(*a*) if in regular use —

(i) in the case of chains used in connection with molten metal or molten slag, at least once every 6 months; or

(ii) in any other case, at least once every year; or

(*b*) if not in regular use, only when necessary.

(5) Paragraph (4) shall not apply to the following classes of lifting gear:

(*a*) chains made of malleable cast iron;

(*b*) plate link chains;

(*c*) chains, rings, hooks, shackles and swivels made of steel or of any non-ferrous metal;

(*d*) pitched chains working on sprocket or pocketed wheels;

(*e*) rings, hooks, shackles and swivels permanently attached to pitched chains, pulley blocks or weighing machines;

(*f*) hooks and swivels having screw-threaded parts or ball-bearings or other case-hardened parts;

(*g*) socket shackles secured to wire ropes by white metal capping;

(*h*) bordeaux connections;

(*i*) rope or rope sling; and

(*j*) any chain or lifting tackle which has been subjected to the heat treatment known as “normalising” instead of annealing.

(6) No lifting gear shall be loaded beyond its safe working load except by an authorised examiner or an inspector for the purpose of testing such lifting gear.

(7) It shall be the duty of the occupier of a workplace in which a lifting gear is used to comply with paragraphs (1) to (4) and (6).

[S 517/2011 wef 10/09/2011]

(8) Paragraphs (1) and (3) do not apply to any lifting gear which consists of natural fibre ropes or natural fibre slings.
[S 517/2011 wef 10/09/2011]

(9) It shall be the duty of an authorised examiner to —

(*a*) issue and sign a certificate, in a form determined by the Commissioner, of the result of the examination referred to in paragraph (3);

(*b*) provide the certificate referred to in sub-paragraph (*a*) to the occupier of the workplace;
[S 517/2011 wef 10/09/2011]

(*c*) inform the Commissioner —

(i) as soon as is reasonably practicable, if the examination shows that the lifting gear cannot continue to be used safely unless repairs are made; or

(ii) in any other case, within 28 days of the completion of the examination, of the results of the examination in a manner acceptable to the Commissioner; and

(*d*) exercise all due diligence in making any certification or in conducting any test or examination of any lifting gear under this regulation.

(10) It shall be the duty of the owner of a lifting gear to ensure that it is —

(*a*) of good construction, sound material, adequate strength and free from patent defect; and

(*b*) properly maintained.

(11) An inspector may at any time test any lifting gear and may prohibit its further use if he is not satisfied that the lifting gear is safe for the use to which it is put.

(12) Any person who contravenes any prohibition of an inspector under paragraph (11) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

Lifting appliances and lifting machines

21.—(1) No lifting appliance or lifting machine shall be used unless an authorised examiner has —

(*a*) tested and examined the lifting appliance or lifting machine; and

(*b*) issued and signed a certificate of test and examination, specifying the safe working load of the lifting appliance or lifting machine.

(2) The certificate of test and examination referred to in paragraph (1)(*b*) shall be kept available for inspection.

(3) Every lifting appliance and lifting machine shall be thoroughly examined by an authorised examiner at least once every year or at such other intervals as the Commissioner may determine.

(4) Every crane, crab and winch shall be provided with a readily accessible and efficient brake or other safety device —

(*a*) which will prevent the fall of the load when suspended; and

(*b*) by which the load can be effectively controlled while being lowered.

(5) Every hand winch shall be fitted with an efficient pawl capable of sustaining the safe working load.

(6) Every lifting appliance and lifting machine —

(*a*) shall be conspicuously marked with its safe working load or loads and a distinctive number or other means of identification; and

(*b*) in the case of a jib crane so constructed that the safe working load may be varied by the raising or lowering of the jib, shall have an accurate indicator, which must be placed so as to be clearly visible to the driver of the jib crane, that shows the radius of the jib at any time and the safe working load corresponding to that radius.

(7) No lifting appliance or lifting machine shall be loaded beyond its safe working load except by an authorised examiner or an inspector for the purpose of testing such lifting appliance or lifting machine.

(8) Every lifting appliance and lifting machine shall be adequately and securely supported and —

(*a*) every rope, chain or wire;

(*b*) every part of a stage, framework or other structure; and

(*c*) every mast, beam, pole or other article of plant supporting any part of the lifting appliance or lifting machine,

shall be of good construction, sound material and adequate strength, having regard to the nature of the lifting appliance, its lifting and reaching capacity and the circumstances of its use.

(9) All rails on which a travelling crane moves, and every track on which the carriage of a transporter or runway moves shall —

(*a*) be of proper size and adequate strength;

(*b*) have an even running surface;

(*c*) be properly laid, adequately supported or suspended; and

(*d*) be properly maintained.

(10) If any person at work at any place in a workplace is on or near the wheel tracks of an overhead travelling crane where he would be liable to be struck by the crane, effective measures shall be taken to ensure that the crane does not approach within 6 metres of that place.

[S 517/2011 wef 10/09/2011]

(11) If any person at work in a workplace is not on or near the wheel tracks of an overhead travelling crane but is in a place above floor level where he would be liable to be struck by an overhead travelling crane, or by any load carried by the crane, effective measures shall be taken to warn him of the approach of the crane unless the work of the person is so connected with or dependent on the movements of the crane as to make the warning unnecessary.

[S 517/2011 wef 10/09/2011]

(12) A lifting machine shall not be operated except by —

(*a*) a person trained and competent to operate that machine; or

(*b*) a person under training who is under the direct supervision of a qualified person.

(13) No person below the age of 18 years shall be at work —

(*a*) operating any lifting machine driven by mechanical power; or

(*b*) giving signals to the operator of any lifting machine.

(14) It shall be the duty of the occupier of a workplace in which any lifting appliance or lifting machine is used to comply with paragraphs (1) to (13).

[S 517/2011 wef 10/09/2011]

(15) It shall be the duty of an authorised examiner to —

(*a*) issue and sign a certificate, in a form determined by the Commissioner, of the result of the examination referred to in paragraph (3);

(*b*) provide the certificate referred to in sub-paragraph (*a*) to the occupier of the workplace;

[S 517/2011 wef 10/09/2011]

(*c*) inform the Commissioner —

(i) as soon as is reasonably practicable, if the examination shows that the lifting appliance or lifting machine cannot continue to be used safely unless repairs are made; or

(ii) in any other case, within 28 days of the completion of the examination, of the results of the examination in a manner acceptable to the Commissioner; and

(*d*) exercise all due diligence in making any certification or in conducting any test or examination of any lifting appliance or lifting machine under this regulation.

(16) It shall be the duty of the owner of a lifting appliance or lifting machine to ensure that it is —

(*a*) of good mechanical construction, sound material and adequate strength; and

(*b*) properly maintained.

(17) An inspector may at any time test any lifting appliance or lifting machine and may prohibit its further use if he is not satisfied that the lifting appliance or lifting machine is safe for the use to which it is put.

(18) Any person who contravenes any prohibition of an inspector under paragraph (17) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

Register of lifting gears, etc.

22. It shall be the duty of the occupier of a workplace to keep a register containing such particulars as the Commissioner may specify with respect to the lifting gears, lifting appliances and lifting machines to which regulations 20 and 21 apply.

[S 517/2011 wef 10/09/2011]

Measures to be taken to prevent falls

23.—(1) All openings in floors of a workplace shall be securely covered or fenced unless the nature of the work renders such covering or fencing impracticable.

[S 517/2011 wef 10/09/2011]

(2) For every staircase in a workplace or which affords a means of exit from the workplace, a substantial handrail shall be provided and maintained, which —

(*a*) if the staircase has an open side, shall be on that side; and

(*b*) if the staircase has 2 open sides, shall be on both sides.

[S 517/2011 wef 10/09/2011]

(3) Any open side of a staircase in a workplace shall be guarded by the provision and maintenance of a lower rail or other effective means.

[S 517/2011 wef 10/09/2011]

(4) Every teagle opening or similar doorway used for hoisting or lowering goods or materials in a workplace, whether by mechanical power or otherwise, shall be —

(*a*) securely fenced; and

(*b*) provided with a secure handhold on each side of the opening or doorway.

[S 517/2011 wef 10/09/2011]

(5) Any fencing referred to in paragraph (4) shall —

(*a*) be properly maintained; and

(*b*) except when goods or materials are being hoisted or lowered at the opening or doorway, be kept in position.

(6) It shall be the duty of the occupier of a workplace to comply with paragraphs (1) to (5).

[S 517/2011 wef 10/09/2011]

(7) Subject to paragraph (8), any person who has to work at a place from which he would be liable to fall —

(*a*) a distance of more than 2 metres; or

(*b*) into any substance which is likely to cause drowning or asphyxiation,

shall be provided with a secure foothold and handhold at the place so far as is reasonably practicable for ensuring his safety.

(8) Where it is not reasonably practicable to provide a secure foothold or handhold as required under paragraph (7), other suitable means such as a safety harness or safety belt shall be provided for ensuring the safety of every person working at such places.

(9) Where a safety harness or safety belt is provided under paragraph (8) —

(*a*) there shall be sufficient and secured anchorage, by means of a life line or otherwise for the safety harness or safety belt; and

(*b*) the anchorage shall not be lower than the level of the working position of the person wearing the safety harness or safety belt.

(10) It shall be the duty of the employer of the person referred to in paragraph (7) to comply with paragraphs (7), (8) and (9).

(11) It shall be the duty of the employer of a person who is exposed to the risk of falling into water and of drowning to provide —

(*a*) equipment and means of rescuing and resuscitating drowning persons; and

(*b*) suitable life jackets or other equipment for keeping such persons afloat in the event that they fall into the water.

(12) No person shall require, permit or direct any person to work at a place from which he would be liable to fall —

(*a*) a distance of more than 2 metres; or

(*b*) into any substance which is likely to cause drowning or asphyxiation,

unless the requirements of paragraphs (7), (8) and (9) have been complied with.

(13) Any person who contravenes paragraph (12) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

torage of goods

24.—(1) All goods, articles and substances which are stored, stacked or placed in a workplace shall be stored, stacked or placed —

(*a*) in such manner as not to interfere with —

(i) the adequate distribution of natural or artificial light;

(ii) the proper operation of any machinery or other equipment;

(iii) the unobstructed use of passageways or traffic lanes; and

(iv) the efficient functioning of sprinkler systems or the use of other fire-fighting equipment;

(*b*) on a firm foundation not liable to settle;

(*c*) in such manner as not to overload the foundation or floors; and

(*d*) in such manner, and using such supporting structures as may be necessary, as to ensure the stability, and to prevent the collapse, of the goods, articles or substances.

[S 517/2011 wef 10/09/2011]

(2) Any goods, articles or substances which are stored, stacked or placed in a workplace shall not be stored, stacked or placed against a wall or partition unless the wall or partition is of sufficient strength to withstand the pressure.

[S 517/2011 wef 10/09/2011]

(3) If loads are to be suspended from the roof of any workplace, the roof shall be of sufficient strength to carry the loads.

[S 517/2011 wef 10/09/2011]

(4) It shall be the duty of the occupier of a workplace to comply with paragraphs (1), (2) and (3).

[S 517/2011 wef 10/09/2011]

25. [*Deleted by S 463/2009 wef 01/11/2009*]

Precautions with regard to explosive or flammable dust, gas, vapour or substance

26.—(1) Where any process in a plant used in a workplace gives rise to dust, gas, vapour or substance that may escape into any place of work and the dust, gas, vapour or substance that may escape is of such a character and is to such an extent as to be liable to explode on ignition —

(*a*) all reasonably practicable steps shall be taken to prevent such an explosion —

(i) by enclosure of the plant used in the process;

(ii) by removal or prevention of accumulation of the dust, gas, vapour or substance;

(iii) by exclusion or effective enclosure of possible sources of ignition; or

(iv) by the use of suitable flame-proof equipment; and

(*b*) unless the plant in which the process is carried out is so constructed as to withstand the pressure likely to be produced by any such explosion, all reasonably practicable steps shall be taken to restrict the spread and effects of such an explosion by the provision of chokes, baffles and vents, or other equally effective appliances in the plant.

[S 517/2011 wef 10/09/2011]

(2) Where any part of a plant in a workplace contains any explosive or flammable gas or vapour under pressure greater than atmospheric pressure, that part shall not be opened, unless it is positively isolated, depressurised and vented to a safe location, and where necessary, purged to remove any residual gas or vapour.

[S 517/2011 wef 10/09/2011]

(3) No plant, tank or vessel in a workplace that contains, or has contained, any explosive or flammable substance shall be subjected to —

(*a*) any welding, brazing or soldering operation;

(*b*) any cutting operation which involves the application of heat; or

(*c*) any operation involving the application of heat for the purpose of taking apart or removing the plant, tank or vessel or any part of it,

until all reasonably practicable steps have been taken to remove the substance and any fumes, gas or vapour arising from it, or to render the substance and fumes, gas or vapour non-explosive and non-flammable.

[S 517/2011 wef 10/09/2011]

(4) If any plant, tank or vessel in a workplace has been subjected to any operation referred to in paragraph (3)(*a*), (*b*) or (*c*), no explosive or flammable substance shall be allowed to enter the plant, tank or vessel until the metal has cooled sufficiently to prevent any risk of igniting the substance.

[S 517/2011 wef 10/09/2011]

(5) No plant, tank or vessel in a workplace which contains, or has contained, any explosive or flammable substance shall be subjected to any operation referred to in paragraph (3)(*a*), (*b*) or (*c*) unless such plant, tank or vessel has been inspected and a competent person has certified that —

(*a*) it is free from —

(i) any explosive or flammable substance; and

(ii) any fumes, gas or vapour arising from any such substance; or

[S 517/2011 wef 10/09/2011]

(*b*) any explosive or flammable substance, and any fumes, gas or vapour arising from any such substance, have been rendered non-explosive and non-flammable,

[S 517/2011 wef 10/09/2011]

and that it is safe for the operation to be carried out.

[S 517/2011 wef 10/09/2011]

(6) Any certificate issued by a competent person under paragraph (5) in respect of any workplace referred to in that paragraph shall be kept available at all times for inspection by an inspector.

[S 517/2011 wef 10/09/2011]

(7) It shall be the duty of the occupier of a workplace referred to in paragraphs (1) to (6) to comply with those paragraphs.

[S 517/2011 wef 10/09/2011]

(8) It shall be the duty of a competent person to exercise all due diligence in making any inspection and certification under this regulation.

Conditions before steam boiler, steam receiver, air receiver or refrigerating plant pressure receiver may be used

27.—(1) Subject to paragraph (2), it shall be the duty of the owner of any steam boiler, steam receiver, air receiver or refrigerating plant pressure receiver (referred to in this regulation as relevant equipment) who intends to put the relevant equipment into use in a workplace to —

(*a*) obtain, in such form and manner as may be determined by the Commissioner, the approval of the Commissioner to use the relevant equipment;

(*b*) ensure that such examination and test by an authorised examiner as may be specified by the Commissioner has been satisfactorily carried out;

(*c*) obtain from the authorised examiner a report of the examination and test referred to in sub-paragraph (*b*), specifying the safe working pressure of the relevant equipment and stating the nature of the tests to which the relevant equipment and its fittings have been submitted;

(*d*) keep the report referred to in sub-paragraph (*c*) available for inspection; and

(*e*) mark the relevant equipment so as to enable it to be identified as the relevant equipment to which the report refers.

(2) Paragraph (1) shall not apply to —

(*a*) any steam boiler referred to in regulation 28(20)(*a*) or (21);

(*b*) any steam receiver referred to in regulation 29(11);

(*c*) any air receiver that has been examined in accordance with regulation 31(5) and reported on in accordance with regulation 31(10) or any air receiver referred to in regulation 31(12); and

(*d*) any refrigerating plant pressure receiver where the safe working pressure does not exceed 0.5 bar or the product of its safe working pressure and volume does not exceed 100 bar-litre.

Steam boilers

28.—(1) Every steam boiler shall be —

(*a*) of good construction, sound material and adequate strength;

(*b*) free from patent defects; and

(*c*) properly maintained.

(2) Every steam boiler, whether separate or one of a range —

(*a*) shall have attached to it —

(i) a suitable safety valve which is —

(A) separate from and incapable of being isolated by any stop-valve;

(B) adjusted so as to prevent the boiler from being worked at a pressure greater than the safe working pressure; and

(C) fixed directly, or as close as practicable, to the boiler;

(ii) a suitable stop-valve connecting the boiler to the steam pipe;

(iii) a correct steam pressure gauge, connected to the steam space and easily visible by the boiler attendant, which —

(A) indicates the pressure of steam in the boiler; and

(B) is marked, in a distinctive colour, with the safe working pressure;

(iv) at least one water gauge of transparent material or any other type approved by the Commissioner thereof which —

(A) shows the water level in the boiler; and

(B) if the gauge is of the glass tubular type and the working pressure in the boiler normally exceeds 275 kilo-newtons per square metre, is provided with an efficient guard that does not obstruct the reading of the gauge; and

(v) where it is one of 2 or more boilers, a plate bearing a distinctive number which shall be easily visible;

(*b*) shall be provided with means for attaching a test pressure gauge; and

(*c*) shall be provided with —

(i) a suitable fusible plug; or

(ii) an efficient low-water alarm device.

(3) Paragraph (2)(*a*)(ii) shall not apply to any economiser.

(4) Paragraph (2)(*a*)(iii), (iv) and (v), (*b*) and (*c*) shall not apply to any economiser or superheater.

(5) Paragraph (2)(*a*)(iv), (*b*) and (*c*) shall not apply to any steam boiler —

(*a*) which uses electricity as the only form of power;

(*b*) which has a maximum steam volume of not more than 40 litres and a safe working pressure of not more than 4 bars; and

(*c*) into which water is fed manually at the start of the steam generation process and cannot be fed continuously from a potable water main.

(6) Every —

(*a*) steam boiler referred to in paragraph (5), including all its fittings and attachments, shall be thoroughly examined by an authorised examiner at least once every 2 years and also after any extensive repair; and

(*b*) surface of the external shell of a steam boiler referred to in paragraph (5) shall be examined by an authorised examiner at least once every 6 years, and for the purpose of such examination, the insulation on the shell shall be removed completely.

(7) For the purposes of paragraph (2), a lever-valve shall not be considered to be a suitable safety valve.

(8) No steam boiler (other than a steam boiler using electricity as the only form of power) shall be operated except by or under the control of a person who has successfully completed a training course acceptable to the Commissioner on the operation of that steam boiler.

[S 517/2011 wef 10/09/2011]

(9) Any steam boiler using electricity as the only form of power shall —

(*a*) have attached to it a steam pressure control device which shall be set to the pressure at or below the maximum permissible working pressure of the boiler; and

(*b*) have a safety valve attached to the boiler which shall be examined and tested by a competent person at least once a month, and the report on every such test shall be recorded and shall be made available for inspection at any time by an inspector.

(10) No person shall enter or be in any steam boiler that is one of a range of 2 or more steam boilers —

(*a*) unless all inlets through which steam or hot water might otherwise enter the boiler from any other part of the range are disconnected from the part; or

(*b*) unless —

(i) all valves or taps controlling such steam and hot water entry are closed and securely locked; and

(ii) where the boiler has a blow-off pipe in common with one or more other boilers or which delivers into a common blow-off vessel or sump, the blow-off valve or tap on each such boiler is so constructed that it can only be opened by a key which —

(A) cannot be removed until the valve or tap is closed; and

(B) is the only key in use for that set of blow-off valves or taps; and

(*c*) until the particular boiler has been sufficiently cooled to make it safe for the person entering or being in the particular boiler.

(11) No work shall be permitted in any boiler-furnace or boiler- flue until it has been sufficiently cooled by ventilation or by other means to make it safe for the persons at work to work there.

(12) Subject to paragraphs (6) and (14) and regulation 31A, every steam boiler shall be examined by an authorised examiner —

(*a*) at least once every year; and

(*b*) after any extensive repairs.

[*S 517/2011 wef 10/09/2011*]

(13) It shall be the duty of the owner of a steam boiler used in a workplace to comply with paragraphs (1), (2), (6) and (8) to (12).

(14) An authorised examiner may, in his discretion, arrange to make the examination referred to in paragraph (12) within 3 months after the one year has expired.

[*S 517/2011 wef 10/09/2011*]

(15) [*Deleted by S 517/2011 wef 10/09/2011*]

(16) Any examination in accordance with the requirements of paragraph (12) shall consist —

(*a*) of an examination of the boiler when it is cold and the interior and exterior have been prepared in the manner specified by the Commissioner; and

(*b*) except in the case of an economiser or a superheater, of an examination when it is under normal steam pressure which —

(i) must be made as soon as possible after the examination of the boiler when cold; and

(ii) must include an examination to determine whether the safety valve is so adjusted as to prevent the boiler from being worked at a pressure greater than the safe working pressure, unless prior written permission has been obtained from the Commissioner.

(17) It shall be the duty of an authorised examiner to —

(*a*) issue and sign a report, in a form determined by the Commissioner, of the result of the examination referred to in paragraph (12);

(*b*) provide a copy of the report referred to in sub-paragraph (*a*) to the owner of the steam boiler;

(*c*) inform the Commissioner —

(i) as soon as is reasonably practicable, if the examination shows that the steam boiler cannot continue to be used safely unless repairs are carried out; or

(ii) in any other case, within 28 days of the completion of the examination, of the results of the examination in a manner acceptable to the Commissioner; and

(*d*) exercise all due diligence in making any report or in conducting any examination of any steam boiler under this regulation.

(18) Where the report of any examination under this regulation specifies conditions for securing the safe working of a steam boiler, it shall be the duty of the owner of the steam boiler to ensure that the boiler is not used except in accordance with those conditions.

(19) For the purposes of any report to be made under paragraph (17) or regulation 27(1)(c), the examination of a steam boiler when it is cold and its examination when it is under steam pressure shall be treated as separate examinations.

(20) Paragraphs (12) and (14) to (19) shall not apply to —

(*a*) any steam boiler with a maximum permissible working pressure not exceeding 0.5 bar; and

(*b*) any steam boiler referred to in paragraph (5).

(21) This regulation shall not apply to any steam boiler of a locomotive which is the property of or used by the railway administered by the Government of Malaysia.

Steam receivers

29.—(1) Every steam receiver shall be —

(*a*) of good construction, sound material and adequate strength;

(*b*) free from patent defects; and

(*c*) properly maintained.

(2) Every steam receiver that is not constructed and maintained to safely withstand either the safe working pressure of the steam boiler or the maximum pressure which can be obtained in the pipe connecting the receiver with any source of supply, shall be fitted with —

(*a*) a suitable reducing valve or other suitable automatic appliance to prevent the safe working pressure of the receiver being exceeded;

(*b*) a suitable safety valve so adjusted as to permit the steam to escape as soon as the safe working pressure is exceeded, or a suitable appliance for cutting off automatically the supply of steam as soon as the safe working pressure is exceeded;

(*c*) a correct steam pressure gauge indicating the pressure of steam in the receiver;

(*d*) a suitable stop-valve; and

(*e*) except where only one steam receiver is in use, a plate bearing a distinctive number which shall be easily visible.

(3) The safety valve and steam pressure gauge referred to in paragraph (2) shall be fitted either —

(*a*) on the steam receiver; or

(*b*) on the supply pipe between the receiver and the reducing valve or other appliance to prevent the safe working pressure from being exceeded.

(4) For the purposes of paragraph (2)(*a*) to (*d*), any set of receivers supplied with steam through a single pipe and forming part of a single machine may be treated as one receiver if the set of receivers is fitted on the single pipe.

(5) For the purposes of paragraph (2)(*a*), (*b*) and (*c*), any other set of receivers supplied with steam through a single pipe may be treated as one receiver if the set of receivers is fitted on the single pipe, provided that the reducing valve or other appliance to prevent the safe working pressure being exceeded is fitted on that single pipe.

(6) Subject to paragraph (7) and regulation 31A, every steam receiver shall be examined by an authorised examiner —

(*a*) at least once every 2 years; and

(*b*) after any extensive repairs.

[S 517/2011 wef 10/09/2011]

(7) An authorised examiner may, in his discretion, arrange to make the examination referred to in paragraph (6) within 3 months after the 2 years have expired.

[S 517/2011 wef 10/09/2011]

(8) [*Deleted by S 517/2011 wef 10/09/2011*]

(9) It shall be the duty of the owner of a steam receiver used in a workplace to comply with paragraphs (1), (2), (3) and (6).

(10) It shall be the duty of an authorised examiner to —

(*a*) issue and sign a report, in a form determined by the Commissioner, of the result of the examination referred to in paragraph (6);

(*b*) provide a copy of the report referred to in sub-paragraph (*a*) to the owner of the steam receiver; and

(*c*) inform the Commissioner —

(i) as soon as is reasonably practicable, if the examination shows that the steam receiver cannot continue to be used safely unless repairs are carried out; or

(ii) in any other case, within 28 days of the completion of the examination, of the results of the examination in a manner acceptable to the Commissioner; and

(*d*) exercise all due diligence in making any report or in conducting any examination of any steam receiver under this regulation.

(11) Paragraphs (6), (7), (8) and (10) shall not apply to any steam receiver where the safe working pressure does not exceed 0.5 bar or the product of its safe working pressure and volume does not exceed 100 bar-litre.

Steam containers

30. The owner of every steam container used in a workplace shall ensure that the steam container shall be so maintained as to secure that the outlet is at all times kept open and free from obstruction.

Air receivers

31.—(1) Every air receiver shall be of sound construction and properly maintained.

(2) Every air receiver shall —

(*a*) be conspicuously marked with its safe working pressure;

(*b*) in the case of a receiver connected with an air compressing plant —

(i) be so constructed as to withstand with safety the maximum pressure which can be obtained in the compressor; or

(ii) be fitted with a suitable reducing valve or other suitable appliance to prevent the safe working pressure of the receiver from being exceeded;

(*c*) be fitted with a suitable safety valve so adjusted as to permit the air to escape as soon as the safe working pressure is exceeded;

(*d*) be fitted with an accurate pressure gauge indicating the pressure in the receiver;

(*e*) except in the case of a receiver in which substance in the form of solid or liquid is stored and from which it is forced by compressed air, be fitted with a suitable appliance for draining the receiver;

(*f*) be provided with a suitable manhole, handhole or other means which will allow the interior to be thoroughly cleaned; and

(*g*) where there is more than one receiver in use in the workplace, bear a distinguishing mark which shall be easily visible.

[S 517/2011 wef 10/09/2011]

(3) For the purpose of paragraph (2)(*c*) or (*d*), but subject to paragraph (4), any set of air receivers supplied with air through a single pipe may be treated as one receiver.

(4) Where a suitable reducing valve or other suitable appliance to prevent the safe working pressure from being exceeded is required to be fitted on the air receiver, the valve or appliance must be fitted on the single pipe.

(5) Subject to paragraph (6) and regulation 31A, every air receiver shall be —

(*a*) thoroughly cleaned; and

(*b*) examined by an authorised examiner at least once every 2 years.

[S 517/2011 wef 10/09/2011]

(6) An authorised examiner may, in his discretion, arrange to make the examination referred to in paragraph (5) within 3 months after the 2 years have expired.

[S 517/2011 wef 10/09/2011]

(7) [*Deleted by S 517/2011 wef 10/09/2011*]

(8) For the purpose of paragraph (5), where the receiver is of solid drawn construction and is constructed so that the internal surface cannot be thoroughly examined, a suitable hydraulic test of the receiver shall be carried out in lieu of internal examination.

(9) It shall be the duty of the owner of an air receiver used in a workplace to comply with paragraphs (1), (2), (4), (5) and (8).

(10) It shall be the duty of an authorised examiner to —

(*a*) issue and sign a report, in a form determined by the Commissioner, of the result of the examination referred to in paragraph (5);

(*b*) provide a copy of the report referred to in sub-paragraph (*a*) to the owner of the air receiver; and

(*c*) inform the Commissioner —

(i) as soon as is reasonably practicable, if the examination shows that the air receiver cannot continue to be used safely unless repairs are carried out; or

(ii) in any other case, within 28 days of the completion of the examination, of the results of the examination in a manner acceptable to the Commissioner; and

(*d*) exercise all due diligence in making any report or in conducting any examination of any air receiver under this regulation.

(11) Any person who charges an air receiver used in a workplace from the cylinder of an internal combustion engine shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

(12) Paragraphs (5) to (8) and (10) shall not apply to any air receiver where the safe working pressure does not exceed 0.5 bar or the product of its safe working pressure and volume does not exceed 100 bar-litre.

Extension of time for examination of steam boilers, steam receivers and air receivers

31A.—(1) The Commissioner may, on an application made by the owner of a steam boiler, steam receiver or air receiver, allow the time delimited by regulation 28, 29 or 31 for the examination by an authorised examiner of the steam boiler, steam receiver or air receiver, as the case may be, to be extended subject to such conditions as the Commissioner may determine in any particular case.

(2) An application made under paragraph (1) shall be accompanied by —

(*a*) the payment of a non-refundable fee to the Commissioner of $115; and

(*b*) a certificate issued by a competent person appointed by the owner of the steam boiler, steam receiver or air receiver, as the case may be, recommending the extended period within which the examination of the steam boiler, steam receiver or air receiver is to be made.

(3) It shall be the duty of the competent person referred to in paragraph (2)(*b*) —

(*a*) before issuing the certificate referred to in paragraph (2)(*b*), to take so far as is reasonably practicable such measures that are necessary to assess and examine the steam boiler, steam receiver or air receiver, as the case may be, to ensure that it is safe for its intended use during the extended period; and

(*b*) to issue, as soon as is reasonably practicable, to the owner of the steam boiler, steam receiver or air receiver, as the case may be, the certificate referred to in paragraph (2)(*b*).

(4) Any competent person referred to in paragraph (2)(*b*) who, without reasonable excuse, contravenes any duty imposed on him under paragraph (3) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $10,000 or to imprisonment for a term not exceeding 6 months or to both.

[S 517/2011 wef 10/09/2011]

Periodical examinations when authorised examiner is not available

32.—(1) If any person required under these Regulations to arrange for an authorised examiner to carry out any periodical examination is unable to locate an authorised examiner willing to carry out the inspection within the required time, the person shall —

(*a*) immediately inform the Commissioner of that fact in such form as the Commissioner may specify;

(*b*) provide the Commissioner with —

(i) particulars of the machinery or plant which is to be examined;

(ii) the date on which the machinery or plant was last examined by an authorised examiner; and

(iii) the particulars of the person who last carried out the examination; and

(*c*) ensure that the machinery or plant is examined as required by these Regulations by an authorised examiner within 30 days of the Commissioner informing him of an authorised examiner who is willing to carry out the examination.

(2) Any person who complies with paragraph (1) shall not be guilty of any offence in respect of the contravention of the provision in these Regulations requiring the examination by an authorised examiner.

Pressure vessel containing hazardous substance

33.—(1) It shall be the duty of the owner of a pressure vessel used in any workplace that contains any hazardous substance to ensure that it is —

(*a*) of good construction, sound material and adequate strength;

(*b*) free from patent defects;

(*c*) properly maintained; and

(*d*) inspected by a competent person before use and thereafter within such period as the Commissioner may specify.

(2) The owner of a pressure vessel shall —

(*a*) maintain a record of the inspection referred to in paragraph (1)(*d*); and

(*b*) keep such record available for inspection by an inspector.

(3) It shall be the duty of a competent person to exercise all due diligence in conducting any inspection under this regulation.

Pipes and equipment conveying certain substances

34. It shall be the duty of the occupier of a workplace to ensure that every pipe, pump, compressor and other equipment in the workplace used to convey steam, air, refrigerant or any hazardous substance, and each part and fitting of, and attachment to, every pipe, pump, compressor and other equipment is —

(*a*) of good construction, sound material and adequate strength;

(*b*) free from patent defects; and

(*c*) properly maintained.

[S 517/2011 wef 10/09/2011]

Gas plants

35.—(1) Every gas plant shall be of sound construction and properly maintained.

(2) Every gas plant shall be inspected by a competent person before use and thereafter within such period as the Commissioner may specify.

(3) Every water-sealed gasholder which has a storage capacity of not less than 25 cubic metres shall be examined externally by a competent person at least once every 2 years.

(4) A record of the examination referred to in paragraph (3) containing such particulars as the Commissioner may determine shall be entered in or attached to a register.

(5) No gasholder shall be repaired or demolished except under the direct supervision of a person who —

(*a*) by his training and experience; and

(*b*) with his knowledge of the necessary precautions against risks of explosion and of persons being overcome by gas,

is competent to supervise the work.

(6) No gas filling shall be allowed except under the direct supervision of a person who —

(*a*) by his training and experience; and

(*b*) with his knowledge of the necessary precautions against any risk,

is competent to supervise the work.

(7) No gas cylinder shall be filled unless —

(*a*) the cylinder has been examined or tested by a competent person —

(i) where the cylinder is for corrosive gases, at least once every 2 years; or

(ii) where the cylinder is for other gases, at least once every 5 years; and

(*b*) the result of such examination or test is entered in a register and kept for inspection by an inspector.

(8) It shall be the duty of the owner of a gas plant used in a workplace to comply with paragraphs (1) to (7).

(9) It shall be the duty of a competent person to exercise all due diligence in conducting any test or examination under this regulation.

Repair of pressure vessel

36. If repairs to any pressure vessel used in a workplace are likely to cause a dangerous occurrence if improperly carried out, it shall be the duty of the owner of the pressure vessel to obtain the written approval of the Commissioner before the repairs are carried out.

Prevention of fire

37.—(1) All reasonably practicable steps shall be taken in a workplace to keep sources of heat or ignition separate from —

(*a*) flammable materials in the workplace; or

(*b*) any process carried on at the workplace that gives rise to any flammable gas or vapour.

[S 517/2011 wef 10/09/2011]

(2) There shall be provided and maintained in a workplace means of extinguishing fire which shall be —

(*a*) readily accessible;

(*b*) adequate and suitable having regard to the circumstances of each case; and

(*c*) tested by a competent person at such regular intervals as the Commissioner may determine.

[S 517/2011 wef 10/09/2011]

(3) It shall be the duty of the occupier of a workplace to comply with paragraphs (1) and (2).

[S 517/2011 wef 10/09/2011]

Safety provisions in case of fire

38.—(1) There shall be provided in a workplace such means of escape in case of fire for the persons at work in the workplace —

(*a*) as may be reasonably required in the circumstances of each case; and

(*b*) which shall be properly maintained and kept free from obstruction.

[S 517/2011 wef 10/09/2011]

(2) The contents of any room in which persons are at work shall be so arranged or disposed that there is a free passageway for all persons at work in the room to a means of escape in case of fire.

(3) In every workplace, all doors affording any person at work in a workplace means of exit from —

(*a*) the workplace;

(*b*) any room in the workplace; or

(*c*) any building or enclosure in which the workplace is situated,

shall only be locked or fastened in such a manner that the doors can easily and immediately be opened from the inside.

[S 517/2011 wef 10/09/2011]

(4) In every workplace, all doors affording means of exit from the workplace for the persons at work in the workplace shall, except in the case of sliding doors, be constructed to open outwards.

[S 517/2011 wef 10/09/2011]

(5) Every exit affording means of escape in case of fire or giving access to such means of escape shall be conspicuously marked with an exit sign of an adequate size.

(6) In every workplace, effective steps shall be taken to ensure that all the persons at work in the workplace are familiar with —

(*a*) the means of escape in case of fire and their use; and

(*b*) the routine to be followed in case of fire.

[S 517/2011 wef 10/09/2011]

(7) In every workplace, there shall be effective warning devices that —

(*a*) are capable of being operated without exposing any person to undue risk;

(*b*) are maintained and tested at least once every month;

(*c*) give warning in case of fire; and

(*d*) are clearly audible throughout the workplace.

[S 517/2011 wef 10/09/2011]

(8) It shall be the duty of the occupier of a workplace to comply with paragraphs (1) to (7).

[S 517/2011 wef 10/09/2011]

PART IV

SPECIAL PROVISIONS RELATING TO HEALTH, SAFETY AND WELFARE

Toxic dust, fumes or other contaminants

39.—(1) Where any process or work carried on in any workplace is likely to produce or give off any toxic dust, fumes, gas, vapour, mist, fibre or other contaminants, all reasonably practicable measures shall be taken to —

(*a*) prevent their accumulation in the workplace; and

(*b*) protect persons at work in the workplace against exposure to the toxic dust, fumes, gas, vapour, mist, fibre or other contaminants through inhalation, ingestion or skin contact.

[S 517/2011 wef 10/09/2011]
[S 517/2011 wef 10/09/2011]

(2) The measures to be taken under paragraph (1) shall, where appropriate, include one or more of the following:

(*a*) carrying out the process or work in isolated areas where persons not connected with the process or work are prohibited from being present;

(*b*) carrying out the process or work in closed vessels or systems to prevent persons at work in the workplace from coming into contact with the toxic dust, fumes, gas, vapour, mist, fibre or other contaminants;

[S 517/2011 wef 10/09/2011]

(*c*) providing adequate ventilation to dilute the fumes, gas, vapour, mist, fibre or other contaminants;

[S 517/2011 wef 10/09/2011]

(*d*) providing local exhaust ventilation to remove the toxic dust, fumes, gas, vapour, mist, fibre or other contaminants at their sources of emission; and

[S 517/2011 wef 10/09/2011]

(*e*) carrying out the process or work wet.

(3) The local exhaust ventilation system referred to in paragraph (2)(*d*) shall be so designed, constructed, operated and maintained that the toxic dust, fumes, gas, vapour, mist, fibre or other contaminants are safely and effectively removed at the source of generation and are not dispersed or scattered in the surrounding air.

[S 517/2011 wef 10/09/2011]

(4) Accumulation of toxic dust, fibre or waste on the floors, walls, work benches or other surfaces in any workplace shall be removed by washing, vacuum cleaning or other suitable means in a manner that will not make the toxic dust, fibre or waste airborne.

[S 517/2011 wef 10/09/2011]

(5) No stationary internal combustion engine shall be used unless provision is made for conducting the exhaust gases from the engine into the open air.

(6) The atmosphere of any place of work in which toxic substances are manufactured, handled, used or given off shall be tested by a competent person at sufficient intervals to ensure that toxic dust, fumes, gases, vapours, mists or fibres are not present in quantities liable to injure the health of persons at work.

[S 517/2011 wef 10/09/2011]

(7) Notwithstanding paragraph (6), the Commissioner may, by order in writing, require the occupier of a workplace to engage a competent person —

(*a*) to monitor, test or assess the environment of any workplace for potential health hazards; and

(*b*) to take air samples in the breathing zone of the persons who are exposed to toxic dust, fumes, gases, vapours, mists, fibres or other contaminants by using appropriate personal sampling equipment.

[S 517/2011 wef 10/09/2011]
[S 517/2011 wef 10/09/2011]

(8) A record of the result of every test carried out under paragraphs (6) and (7) shall be kept available for inspection by an inspector for at least 5 years from the date of the test or such other period as the Commissioner may specify in writing.

(9) Paragraphs (1), (2), (6) and (7) shall not apply to any workplace where —

(*a*) it is impracticable to comply with such requirements; and

(*b*) suitable air-supplied breathing apparatus is used by every person at the workplace.

[S 517/2011 wef 10/09/2011]

(10) The air-supplied breathing apparatus used under paragraph (9) shall be supplied with air —

(*a*) of a temperature and humidity comfortable for breathing; and

(*b*) which has been suitably treated to remove particles of any material, oil mist, vapour, odour, carbon monoxide and carbon dioxide.

(11) It shall be the duty of the occupier of a workplace to comply with paragraphs (1) to (6), (8) and (10).

[S 517/2011 wef 10/09/2011]

(12) It shall be the duty of a competent person to exercise all due diligence in conducting any test under this regulation.

Permissible exposure levels of toxic substances

40.—(1) It shall be the duty of the occupier of a workplace to take all reasonably practicable measures to ensure that no person at work in the workplace is exposed to the toxic substances specified in the First Schedule in excess of the permissible exposure levels specified in that Schedule.

[S 517/2011 wef 10/09/2011]

(2) Where the PEL (Short Term) of a toxic substance is not specified in the First Schedule, the PEL (Short Term) of the substance shall be deemed to be exceeded if the time weighted average concentration of the substance measured over a 15-minute period during any working day exceeds 5 times the PEL (Long Term) of that substance as specified in that Schedule.

(3) Where there is exposure to more than one toxic substance at the same time and the substances have similar harmful effects, the permissible exposure level shall be deemed to have been exceeded if the sum of the ratios between the time weighted average concentration and the permissible exposure level of each substance exceeds one.

Hazardous substances

41.—(1) All hazardous substances in a workplace shall be placed under the control of a competent person who has adequate knowledge of the properties of the hazardous substances and their dangers.

[S 517/2011 wef 10/09/2011]

(2) Adequate warning notices in languages understood by all persons at work in a workplace specifying the nature of the danger of the hazardous substances shall be placed —

(*a*) at all entrances to any workroom; and

(*b*) at appropriate locations,

where the hazardous substances are used or present.

[S 517/2011 wef 10/09/2011]

(3) Persons at work in a workplace who are liable to be exposed to hazardous substances shall be warned of the hazards involved and the precautionary measures to be taken.

[S 517/2011 wef 10/09/2011]

(4) All hazardous substances in a workplace shall be kept, stored, used, handled or disposed of in such a manner as not to pose a risk to the health and safety of any person at work in the workplace.

[S 517/2011 wef 10/09/2011]

(5) It shall be the duty of the occupier of a workplace to comply with paragraphs (1) to (4).

[S 517/2011 wef 10/09/2011]

(6) Any person at work in a workplace who wilfully or recklessly does any act that may result in any other person being exposed to hazardous substances shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

[S 517/2011 wef 10/09/2011]

Warning labels

42. It shall be the duty of the occupier of a workplace in which there is any container of hazardous substances to ensure that, so far as is reasonably practicable, every such container is affixed with one or more warning labels that conform with —

(*a*) any Singapore Standard relating to the classification and labelling of hazardous substances; or

(*b*) such other standards, codes of practice or guidance relating to the classification and labelling of hazardous substances as is issued or approved by the Council.

[S 517/2011 wef 10/09/2011]

afety data sheet

43.—(1) Where any hazardous substance is used, handled or stored in a workplace, it shall be the duty of the occupier of the workplace to —

(*a*) obtain a safety data sheet of the substance;

(*b*) assess the information in the safety data sheet and take precautionary measures to ensure the safe use of the substance; and

(*c*) make available the safety data sheet to all persons at work in the workplace who are liable to be exposed to the substance.

[S 517/2011 wef 10/09/2011]

(2) Where any hazardous substance is sold to any person for use in a workplace, it shall be the duty of the seller or any agent of the seller who caused or procured the sale to provide the buyer with a safety data sheet for the substance that —

(*a*) gives accurate and adequate information on the substance; and

(*b*) conforms with any Singapore Standard relating to safety data sheets or such other standards, codes of practice or guidance as is issued or approved by the Council.

[S 517/2011 wef 10/09/2011]

(3) Any seller or agent of any seller who fails to provide a safety data sheet under paragraph (2) or any person who provides inaccurate, inadequate or misleading information in a safety data sheet shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $10,000.

Exclusion from regulations 41, 42 and 43

44.—(1) Regulations 41, 42 and 43 shall not apply in respect of the use, handling or storage in a workplace, or the sale for use in a workplace, of any hazardous substance that is in a consumer package and that is intended for retail sale.

(2) In this regulation —

"consumer package" means a container that is intended for retail display and sale to households or offices, and includes a container that is transported or distributed as part of a larger consolidated container that consists of a number of identical consumer packages;

"container" means anything in or by which substances are or have been wholly or partly encased, covered or packed.

[S 517/2011 wef 10/09/2011]

PART V

Offence

45. Any person who contravenes any provision of these Regulations which imposes a duty on him for which no penalty is expressly provided shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

[S 517/2011 wef 10/09/2011]

FIRST SCHEDULE

Regulations 2 and 40

PERMISSIBLE EXPOSURE LEVELS OF TOXIC SUBSTANCES

Toxic Substance	*Permissible Exposure Level (PEL)*			
	PEL (Long Term)		*PEL (Short Term)*	
	ppm[a]	mg/m^3 [b]	ppm[a]	mg/m^3 [b]
Acetaldehyde	—	—	25	45
Acetic acid	10	25	15	37
Acetic anhydride	5	21	—	—
Acetone	750	1780	1000	2380
Acetone cyanohydrin	—	—	4.7	5
Acetonitrile	40	67	60	101
Acetophenone	10	49	—	—
Acetylene tetrabromide	1	14	—	—
Acrolein	0.1	0.23	0.3	0.69
Acrylamide	—	0.03	—	—
Acrylic acid	2	5.9	—	—
Acrylonitrile (Vinyl cyanide)	2	4.3	—	—
Adipic acid	—	5	—	—
Adiponitrile	2	8.8	—	—
Aldrin	—	0.25	—	—
Allyl alcohol	2	4.8	4	9.5
Allyl chloride	1	3	2	6
Allyl glycidyl ether (AGE)	5	23	10	47
Allyl propyl disulfide	2	12	3	18
Aluminium				
Metal dust	—	10	—	—
Pyro powders, as Al	—	5	—	—
Welding fumes, as Al	—	5	—	—
Soluble salts, as Al	—	2	—	—
Alkyls, as Al	—	2	—	—
Aluminium oxide	—	10	—	—
2-Aminopyridine	0.5	1.9	—	—
Amitrole	—	0.2	—	—
Ammonia	25	17	35	24
Ammonium chloride fume	—	10	—	20
Ammonium perfluorooctanoate	—	0.01	—	—
Ammonium sulfamate	—	10	—	—
n-Amyl acetate	100	532	—	—
sec-Amyl acetate	125	665	—	—
Aniline	2	7.6	—	—
Anisidine	0.1	0.5	—	—
Antimony and compounds, as Sb	—	0.5	—	—
Antimony trioxide, as Sb	—	0.5	—	—
Arsenic, elemental and inorganic compounds, as As	—	0.01	—	—
Arsine	0.05	0.16	—	—
Asbestos (all forms)	—	0.1 (fibre/cc)	—	—
Asphalt (petroleum) fumes	—	5	—	—
Atrazine	—	5	—	—

Azinphos-methyl	—	0.2	—	—
Barium, soluble compounds, as Ba	—	0.5	—	—
Barium sulfate	—	10	—	—
Benomyl	0.84	10	—	—
Benzene	1	3.18	—	—
Benzoyl peroxide	—	5	—	—
Benzyl chloride	1	5.2	—	—
Beryllium and compounds, as Be	—	0.002	—	—
Biphenyl	0.2	1.3	—	—
Bismuth telluride,				
Undoped	—	10	—	—
Se-doped	—	5	—	—
Borates, tetra sodium salts				
Anhydrous	—	1	—	—
Decahydrate	—	5	—	—
Pentahydrate	—	1	—	—
Boron oxide	—	10	—	—
Boron tribromide	—	—	1	10
Boron trifluoride	—	—	1	2.8
Bromacil	—	10	—	—
Bromine	0.1	0.66	0.2	1.3
Bromine pentafluoride	0.1	0.72	—	—
Bromoform	0.5	5.2	—	—
1,3-Butadiene	2	4.4	—	—
Butane	800	1900	—	—
n-Butanol	—	—	50	152
sec-Butanol	100	303	—	—
tert-Butanol	100	303	—	—
2-Butoxyethanol (EGBE)	25	121	—	—
-Butyl acetate	150	713	200	950
ec-Butyl acetate	200	950	—	—
ert-Butyl acetate	200	950	—	—
-Butyl acrylate	10	52	—	—
n-Butylamine	—	—	5	15
tert-Butyl chromate, as CrO_3	—	—	—	0.1
n-Butyl glycidyl ether (BGE)	25	133	—	0.1
n-Butyl lactate	5	30	—	—
Butyl mercaptan (Butanethiol)	0.5	1.8	—	—
o-sec-Butylphenol	5	31	—	—
p-tert-Butyl toluene	1	6.1	—	—
Cadmium, as Cd				
Elemental	—	0.01	—	—
Compounds	—	0.002	—	—
Calcium carbonate (Limestone, Marble)	—	10	—	—
Calcium chromate, as Cr	—	0.001	—	—
Calcium cyanamide	—	0.5	—	—
Calcium cyanide	—	—	—	5
Calcium hydroxide	—	5	—	—
Calcium oxide	—	2	—	—
Calcium silicate	—	10	—	—
Calcium sulfate	—	10	—	—
Camphor	2	12	3	19
Caprolactam				
Dust	—	1	—	3
Vapour	5	23	10	46
Captafol	—	0.1	—	—
Captan	—	5	—	—

Carbaryl	—	5	—	—
Carbofuran	—	0.1	—	—
Carbon black	—	3.5	—	—
Carbon dioxide	5000	9000	30,000	54,000
Carbon disulfide	10	31	—	—
Carbon monoxide	25	29	—	—
Carbon tetrabromide	0.1	1.4	0.3	4.1
Carbon tetrachloride (Tetrachloromethane)	5	31	10	63
Carbonyl fluoride	2	5.4	5	13
Catechol (Pyrocatechol)	5	23	—	—
Cellulose	—	10	—	—
Cesium hydroxide	—	2	—	—
Chlordane	—	0.5	—	—
Chlorinated camphene (Toxaphene)	—	0.5	—	—
Chlorinated diphenyl oxide	—	0.5	—	—
Chlorine	0.5	1.5	1	2.9
Chlorine dioxide	0.1	0.28	0.3	0.83
Chlorine trifluoride	—	—	0.1	0.38
Chloroacetaldehyde	—	—	1	3.2
Chloroacetone	—	—	1	3.8
2-Chloroacetophenone (Phenacyl chloride)	0.05	0.32	—	—
Chloroacetyl chloride	0.05	0.23	0.15	0.69
Chlorobenzene (Monochlorobenzene)	10	46	—	—
o-Chlorobenzylidene malononitrile	—	—	0.05	0.39
Chlorobromomethane (Bromochloromethane)	200	1060	—	—
Chlorodifluoromethane	1000	3540	—	—
Chlorodiphenyl (42% chlorine)	—	1	—	—
Chlorodiphenyl (54% chlorine)	—	0.5	—	—
Chloroform (Trichloromethane)	10	49	—	—
bis (Chloromethyl) ether	0.001	0.0047	—	—
1-Chloro-1-nitropropane	2	10	—	—
Chloropentafluoroethane	1000	6320	—	—
Chloropicrin (Trichloronitromethane)	0.1	0.67	—	—
β;-Chloroprene (2-Chloro-1,3-butadiene)	10	36	—	—
2-Chloropropionic acid	0.1	0.44	—	—
o-Chlorostyrene	50	283	75	425
o-Chlorotoluene	50	259	—	—
Chlorpyrifos	—	0.2	—	—
Chromium, metal and inorganic compounds, as Cr				
Metal and Cr III compounds	—	0.5	—	—
Water-soluble Cr VI compounds	—	0.05	—	—
Insoluble Cr VI compounds	—	0.01	—	—
Chromyl chloride	0.025	0.16	—	—
Clopidol	—	10	—	—
Coal, respirable dust	—	2	—	—
Coal tar pitch volatiles (Polycylic aromatic hydrocarbons), as benzene solubles	—	0.2	—	—
Cobalt, elemental and inorganic compounds, as Co	—	0.02	—	—
Cobalt carbonyl, as Co	—	0.1	—	—
Cobalt hydrocarbonyl, as Co	—	0.1	—	—
Copper				
Fume	—	0.2	—	—
Dusts and mists, as Cu	—	1	—	—
Cotton dust, raw	—	0.2	—	—
Cresol	5	22	—	—
Crotonaldehyde	2	5.7	—	—

Crufomate	—	5	—	—
Cumene	50	246	—	—
Cyanamide	—	2	—	—
Cyanogen	10	21	—	—
Cyanogen chloride	—	—	0.3	0.75
Cyclohexane	300	1030	—	—
Cyclohexanol	50	206	—	—
Cyclohexanone	25	100	—	—
Cyclohexene	300	1010	—	—
Cyclohexylamine	10	41	—	—
Cyclonite	—	1.5	—	—
Cyclopentadiene	75	203	—	—
Cyclopentane	600	1720	—	—
Cyhexatin (Tricyclo hexyltin)	—	5	—	—
DDT (Dichlorodiphenyltrichloroethane)	—	1	—	—
Decaborane	0.05	0.25	0.15	0.75
Demeton	0.01	0.11	—	—
Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone)	50	238	—	—
Diazinon	—	0.1	—	—
Diazomethane	0.2	0.34	—	—
Diborane	0.1	0.11	—	—
2-N-Dibutylaminoethanol	0.5	3.5	—	—
Dibutyl phenyl phosphate	0.3	3.5	—	—
Dibutyl phosphate	1	8.6	2	17
Dibutyl phthalate	—	5	—	—
Dichloroacetylene	—	—	0.1	0.39
o-Dichlorobenzene	25	150	50	301
p-Dichlorobenzene	10	60	—	—
,4-Dichloro-2-butene	0.005	0.025	—	—
)ichlorodifluoromethane	1000	4950	—	—
,3-Dichloro-5,5-dimethyl hydantoin	—	0.2	—	0.4
,1-Dichloroethane (Ethylidene chloride)	100	405	—	—
1,2-Dichloroethylene (Acetylene dichloride)	200	793	—	—
Dichloroethyl ether	5	29	10	58
Dichlorofluoromethane	10	42	—	—
1,1-Dichloro-1-nitroethane	2	12	—	—
1,3-Dichloropropene	1	4.5	—	—
2,2-Dichloropropionic acid	1	5.8	—	—
Dichlorotetrafluoroethane	1000	6990	—	—
Dichlorvos	0.1	0.90	—	—
Dicrotophos	—	0.25	—	—
Dicyclopentadiene	5	27	—	—
Dicyclopentadienyl iron	—	10	—	—
Dieldrin	—	0.25	—	—
Diethanolamine	0.46	2	—	—
Diethylamine	5	15	15	45
2-Diethylaminoethanol	2	9.6	—	—
Diethylene triamine	1	4.2	—	—
Diethyl ketone	200	705	—	—
Diethyl phthalate	—	5	—	—
Difluorodibromomethane	100	858	—	—
Diglycidyl ether (DGE)	0.1	0.53	—	—
Diisobutyl ketone (2,6-Dimethyl-4-heptanone)	25	145	—	—
Diisopropylamine	5	21	—	—
N,N-Dimethyl acetamide	10	36	—	—

Dimethylamine	5	9.2	15	27.6
Dimethylaniline (N,N-Dimethylaniline)	5	25	10	50
Dimethylformamide	10	30	—	—
1,1-Dimethylhydrazine	0.5	1.2	—	—
Dimethylphthalate	—	5	—	—
Dimethyl sulfate	0.1	0.52	—	—
Dinitolmide (3,5-Dinitro-o-toluamide)	—	5	—	—
Dinitrobenzene	0.15	1.0	—	—
Dinitro-o-cresol	—	0.2	—	—
Dinitrotoluene	—	0.15	—	—
Dioxane	25	90	—	—
Dioxathion	—	0.2	—	—
Diphenylamine	—	10	—	—
Dipropylene glycol methyl ether	100	606	150	909
Dipropyl ketone	50	233	—	—
Diquat				
Total dust	—	0.5	—	—
Respirable dust	—	0.1	—	—
Di-sec-octyl phthalate (Di (-2-ethylhexyl) phthalate)	—	5	—	10
Disulfiram	—	2	—	—
Disulfoton	—	0.1	—	—
2,6-Di-tert-butyl-p-cresol	—	10	—	—
Diuron	—	10	—	—
Divinyl benzene	10	53	—	—
Emery	—	10	—	—
Endosulfan	—	0.1	—	—
Endrin	—	0.1	—	—
Enflurane	75	566	—	—
Epichlorohydrin (1-Chloro-2, 3-epoxypropane)	2	7.6	—	—
EPN	—	0.1	—	—
Ethanol (Ethyl alcohol)	1000	1880	—	—
Ethanolamine	3	7.5	6	15
Ethion	—	0.4	—	—
2-Ethoxyethanol (EGEE)	5	18	—	—
2-Ethoxyethyl acetate (EGEEA)	5	27	—	—
Ethyl acetate	400	1440	—	—
Ethyl acrylate	5	20	15	61
Ethylamine	5	9.2	15	27.6
Ethyl amyl ketone (5-Methyl-3-heptanone)	25	131	—	—
Ethyl benzene	100	434	125	543
Ethyl bromide	5	22	—	—
Ethyl butyl ketone (3-Heptanone)	50	234	—	—
Ethyl chloride	1000	2640	—	—
Ethylene chlorohydrin	—	—	1	3.3
Ethylenediamine (1,2-Diaminoethane)	10	25	—	—
Ethylene dichloride (1,2-Dichloroethane)	10	40	—	—
Ethylene glycol	—	—	50	127
Ethylene glycol dinitrate	0.05	0.31	—	—
Ethylene oxide	1	1.8	—	—
Ethylenimine	0.5	0.88	—	—
Ethyl ether (Diethyl ether)	400	1210	500	1520
Ethyl formate	100	303	—	—
Ethylidene norbornene	—	—	5	25
Ethyl mercaptan (Ethanethiol)	0.5	1.3	—	—
N-Ethylmorpholine	5	24	—	—
Ethyl silicate	10	85	—	—
Fenamiphos	—	0.1	—	—

Fensulfothion	—	0.1	—	—
Fenthion	—	0.2	—	—
Ferbam	—	10	—	—
Ferrovanadium dust	—	1	—	3
Fibrous glass dust	—	10	—	—
Fluorides, as F	—	2.5	—	—
Fluorine	1	1.6	2	3.1
Fonofos	—	0.1	—	—
Formaldehyde	—	—	0.3	0.37
Formamide	10	18	—	—
Formic acid	5	9.4	10	19
Furfural	2	7.9	—	—
Furfuryl alcohol	10	40	15	60
Gasoline	300	890	500	1480
Germanium tetrahydride	0.2	0.63	—	—
Glutaraldehyde	—	—	0.2	0.82
Glycerin mist	—	10	—	—
Glycidol (2,3-Epoxy-1-propanol)	25	76	—	—
Grain dust (oat, wheat, barley)	—	4	—	—
Graphite, respirable dust	—	2	—	—
Hafnium	—	0.5	—	—
Halothane	50	404	—	—
Heptachlor and Heptachlor epoxide	—	0.05	—	—
Heptane	400	1640	500	2050
Hexachlorobenzene	—	0.025	—	—
Hexachlorobutadiene	0.02	0.21	—	—
Hexachlorocyclopentadiene	0.01	0.11	—	—
Hexachloroethane	1	9.7	—	—
Hexachloronaphthalene	—	0.2	—	—
Hexafluoroacetone	0.1	0.68	—	—
Hexamethylene diisocyanate	0.005	0.034	—	—
,6-Hexanediamine	0.5	2.3	—	—
Hexane (n-Hexane)	50	176	—	—
Other isomers	500	1760	1000	3500
sec-Hexyl acetate	50	295	—	—
Hexylene glycol	—	—	25	121
Hydrazine	0.1	0.13	—	—
Hydrogenated terphenyls	0.5	4.9	—	—
Hydrogen bromide	—	—	3	9.9
Hydrogen chloride	—	—	5	7.5
Hydrogen cyanide	—	—	4.7	5
Hydrogen fluoride	—	—	3	2.6
Hydrogen peroxide	1	1.4	—	—
Hydrogen selenide	0.05	0.16	—	—
Hydrogen sulfide	10	14	15	21
Hydroquinone (Dihydroxy benzene)	—	2	—	—
2-Hydroxypropyl acrylate	0.5	2.8	—	—
Indene	10	48	—	—
Indium and compounds, as In	—	0.1	—	—
Iodine	—	—	0.1	1.0
Iodoform	0.6	10	—	—
Iron oxide dust and fume, as Fe	—	5	—	—
Iron pentacarbonyl, as Fe	0.1	0.23	0.2	0.45
Iron salts, soluble, as Fe	—	1	—	—
Isoamyl acetate	100	532	—	—
Isoamyl alcohol	100	361	125	452
Isobutyl acetate	150	713	—	—

Isobutyl alcohol	50	152	—	—
Isooctyl alcohol	50	266	—	—
Isophorone	—	—	5	28
Isophorone diisocyanate	0.005	0.045	—	—
Isoproproxyethanol	25	106	—	—
Isopropyl acetate	250	1040	310	1290
Isopropyl alcohol	400	983	500	1230
Isopropylamine	5	12	10	24
N-Isopropylaniline	2	11	—	—
Isopropyl ether	250	1040	310	1300
Isopropyl glycidyl ether (IGE)	50	238	75	356
Kaolin, respirable dust	—	2	—	—
Ketene	0.5	0.86	1.5	2.6
Lead, inorganic dusts and fumes, as Pb	—	0.15	—	—
Lead arsenate	—	0.15	—	—
Lead chromate				
as Pb	—	0.05	—	—
as Cr	—	0.012	—	—
Lindane	—	0.5	—	—
Lithium hydride	—	0.025	—	—
L.P.G. (Liquified petroleum gas)	1000	1800	—	—
Magnesite	—	10	—	—
Magnesium oxide fume	—	10	—	—
Malathion	—	10	—	—
Maleic anhydride	0.25	1.0	—	—
Manganese, as Mn				
Dust and compounds	—	1	—	—
Fume	—	1	—	3
Manganese cyclopentadienyl tricarbonyl, as Mn	—	0.1	—	—
Mercury				
Alkyl compounds	—	0.01	—	0.03
Aryl compounds	—	0.1	—	—
Inorganic forms including metallic mercury	—	0.025	—	—
Mesityl oxide	15	60	25	100
Methacrylic acid	20	70	—	—
Methanol (Methyl alcohol)	200	262	250	328
Methomyl	—	2.5	—	—
Methoxychlor	—	10	—	—
2-Methyoxyethanol (EGME)	5	16	—	—
2-Methoxyethyl acetate (Ethylene glycol methyl ethyl acetate, EGMEA)	5	24	—	—
4-Methoxyphenol	—	5	—	—
Methyl acetate	200	606	250	757
Methyl acetylene (Propyne)	1000	1640	—	—
Methyl acetylene-propadiene mixture (MAPP)	1000	1640	1250	2050
Methyl acrylate	10	35	—	—
Methylacrylonitrile	1	2.7	—	—
Methylal (Dimethoxymethane)	1000	3110	—	—
Methylamine	5	6.4	15	19
Methyl n-amyl ketone (2-Heptanone)	50	233	—	—
N-Methyl aniline	0.5	2.2	—	—
Methyl bromide	5	19	—	—
Methyl-tert butyl ether	40	144	—	—
Methyl n-butyl ketone (2-Hexanone)	5	20	—	—
Methyl chloride	50	103	100	207
Methyl 2-cyanoacrylate	2	9.1	4	18
Methylcyclohexane	400	1610	—	—

Methylcyclohexanol	50	234	—	—
0-Methylcyclohexanone	50	229	75	344
2-Methylcyclopentadienyl manganese tricarbonyl, as Mn	—	0.2	—	—
Methyl demeton	—	0.5	—	—
Methylene bisphenyl isocyanate (MDI, Diphenyl methane diisocyanate)	0.005	0.051	—	—
Methylene chloride (Dichloromethane)	50	174	—	—
4,4'-methylene bis (2-chloroaniline) [MOCA]	0.01	0.11	—	—
Methylene bis (4-cyclo-hexylisocyanate)	0.005	0.054	—	—
4,4'-Methylene dianiline	0.1	0.81	—	—
Methyl ethyl ketone (MEK, 2-Butanone)	200	590	300	885
Methyl ethyl ketone peroxide	—	—	0.2	1.5
Methyl formate	100	246	150	368
Methyl hydrazine	—	—	0.2	0.38
Methyl iodide	2	12	—	—
Methyl isoamyl ketone	50	234	—	—
Methyl isobutyl carbinol (Methyl amyl alcohol)	25	104	40	167
Methyl isobutyl ketone (Hexone)	50	205	75	307
Methyl isocyanate	0.02	0.047	—	—
Methyl isopropyl ketone	200	705	—	—
Methyl mercaptan (Methanethiol)	0.5	0.98	—	—
Methyl methacrylate	100	410	—	—
Methyl parathion	—	0.2	—	—
Methyl propyl ketone (2-Pentanone)	200	705	250	881
Methyl silicate	1	6	—	—
α;Methyl styrene	50	242	100	483
Metribuzin	—	5	—	—
Mevinphos (Phosdrin)	0.01	0.092	0.03	0.27
Mica, respirable dust	—	3	—	—
Mineral wool fiber	—	10	—	—
Molybdenum, as Mo				
Soluble compounds	—	5	—	—
Insoluble compounds	—	10	—	—
Monocrotophos	—	0.25	—	—
Morpholine	20	71	—	—
Naled (Dimethyl-1,2-dibromo-2,2 dichloroethyl phosphate)	—	3	—	—
Naphtha	300	1370	—	—
Naphthalene	10	52	15	79
Nickel				
Metal	—	1	—	—
Insoluble compounds, as Ni	—	1	—	—
Soluble compounds, as Ni	—	0.1	—	—
Nickel carbonyl, as Ni	0.05	0.12	—	—
Nickel sulfide, as Ni	—	1	—	—
Nicotine	—	0.5	—	—
Nitrapyrin (2-Chloro-6-(trichloromethyl) pyridine)	—	10	—	20
Nitric acid	2	5.2	4	10
Nitric oxide	25	31	—	—
p-Nitroaniline	—	3	—	—
Nitrobenzene	1	5	—	—
p-Nitrochlorobenzene	0.1	0.64	—	—
Nitroethane	100	307	—	—
Nitrogen dioxide	3	5.6	5	9.4
Nitrogen trifluoride	10	29	—	—
Nitroglycerin (NG)	0.05	0.46	—	—
Nitromethane	20	50	—	—
1-Nitropropane	25	91	—	—

2-Nitropropane	10	36	—	—
Nitrotoluene	2	11	—	—
Nitrous oxide	50	90	—	—
Nonane	200	1050	—	—
Nuisance particulates	—	10	—	—
Octachloronaphthalene	—	0.1	—	0.3
Octane	300	1400	375	1750
Oil Mist, mineral	—	5	—	10
Osmium tetroxide, as Os	0.0002	0.0016	0.0006	0.0047
Oxalic acid	—	1	—	2
Oxygen difluoride	—	—	0.05	0.11
Ozone	—	—	0.1	0.20
Paraffin wax fume	—	2	—	—
Paraquat				
Total dust	—	0.5	—	—
Respirable dust	—	0.1	—	—
Parathion	—	0.1	—	—
Pentaborane	0.005	0.013	0.015	0.039
Pentachloronaphthalene	—	0.5	—	—
Pentachloronitrobenzene	—	0.5	—	—
Pentachlorophenol	—	0.5	—	—
Pentaerythritol	—	10	—	—
Pentane	600	1770	750	2210
Perchloroethylene (Tetrachloroethylene)	25	170	100	685
Perchloromethyl mercaptan	0.1	0.76	—	—
Perchloryl fluoride	3	13	6	25
Perfluoroisobutylene	—	—	0.01	0.082
Perlite	—	10	—	—
Phenol	5	19	—	—
Phenothiazine	—	5	—	—
Phenylenediamine	—	0.1	—	—
Phenyl ether	1	7	2	14
Phenyl glycidyl ether (PGE)	0.1	0.6	—	—
Phenylhydrazine	0.1	0.44	—	—
Phenyl mercaptan	0.5	2.3	—	—
Phenylphosphine	—	—	0.05	0.23
Phorate	—	0.05	—	0.2
Phosgene	0.1	0.40	—	—
Phosphine	0.3	0.42	1	1.4
Phosphoric acid	—	1	—	3
Phosphorus	0.02	0.1	—	—
Phosphorus oxychloride	0.1	0.63	—	—
Phosphorus pentachloride	0.1	0.85	—	—
Phosphorus pentasulfide	—	1	—	3
Phosphorus trichloride	0.2	1.1	0.5	2.8
Phthalic anhydride	1	6.1	—	—
m-Phthalodinitrile	—	5	—	—
Picloram	—	10	—	—
Picric acid (2,4,6-Trinitrophenol)	—	0.1	—	—
Pindone (2-Pivalyl-1,3-indandione)	—	0.1	—	—
Piperazine dihydrochloride	—	5	—	—
Platinum				
Metal	—	1	—	—
Soluble salts, as Pt	—	0.002	—	—
Portland cement	—	10	—	—
Potassium cyanide	—	—	—	5
Potassium hydroxide	—	—	—	2

Propargyl alcohol	1	2.3	—	—
β-Propiolactone	0.5	1.5	—	—
Propionic acid	10	30	—	—
Propoxur	—	0.5	—	—
n-Propyl acetate	200	835	250	1040
n-Propyl alcohol	200	492	250	614
Propylene dichloride (1,2-Dichloropropane)	75	347	110	508
Propylene glycol dinitrate	0.05	0.34	—	—
Propylene glycol monomethyl ether	100	369	150	553
Propylene imine	2	4.7	—	—
Propylene oxide (1,2-Epoxypropane)	20	48	—	—
n-Propyl nitrate	25	107	40	172
Pyrethrum	—	5	—	—
Pyridine	5	16	—	—
Quinone	0.1	0.44	—	—
Resorcinol	10	45	20	90
Rhodium				
Metal	—	1	—	—
Insoluble compounds, as Rh	—	1	—	—
Soluble compounds, as Rh	—	0.01	—	—
Ronnel	—	10	—	—
Rotenone	—	5	—	—
Rouge	—	10	—	—
Selenium and compounds, as Se	—	0.2	—	—
Selenium hexafluoride	0.05	0.16	—	—
Sesone	—	10	—	—
Silica-Amorphous				
Diatomaceous earth (uncalcined)	—	10	—	—
Precipitated silica	—	10	—	—
Silica, fume, respirable dust	—	2	—	—
Silica, fused, respirable dust	—	0.1	—	—
Silica gel	—	10	—	—
Silica-Crystalline				
Cristobalite, respirable dust	—	0.05	—	—
Quartz, respirable dust	—	0.1	—	—
Tridymite, respirable dust	—	0.05	—	—
Tripoli, respirable dust	—	0.1	—	—
Silicon	—	10	—	—
Silicon carbide	—	10	—	—
Silicon tetrahydride	5	6.6	—	—
Silver				
Metal	—	0.1	—	—
Soluble compounds, as Ag	—	0.01	—	—
Soapstone				
Respirable dust	—	3	—	—
Total dust	—	6	—	—
Sodium azide as Hydrazoic acid	—	—	—	0.29
vapour	—	—	0.11	—
Sodium bisulfite	—	5	—	—
Sodium cyanide	—	—	—	5
Sodium fluoroacetate	—	0.05	—	—
Sodium hydroxide	—	—	—	2
Sodium metabisulfite	—	5	—	—
Starch	—	10	—	—
Stearates	—	10	—	—
Stibine	0.1	0.51	—	—
Stoddard solvent	100	525	—	—

Strontium chromate	—	0.0005	—	—
Strychnine	—	0.15	—	—
Styrene, monomer (Phenylethylene, vinyl benzene)	50	213	100	426
Subtilisins	—	—	—	0.00006
Sucrose	—	10	—	—
Sulfometuron methyl	—	5	—	—
Sulfotep	—	0.2	—	—
Sulfur dioxide	2	5.2	5	13
Sulfur hexafluoride	1000	5970	—	—
Sulfuric acid	—	1	—	3
Sulfur monochloride	—	—	1	5.5
Sulfur pentafluoride	—	—	0.01	0.10
Sulfur tetrafluoride	—	—	0.1	0.44
Sulfuryl fluoride	5	21	10	42
Sulprofos	—	1	—	—
Talc	—	2	—	—
Tantalum, metal and oxide, as Ta	—	5	—	—
Tellurium and compounds, as Te	—	0.1	—	—
Tellurium hexafluoride	0.02	0.10	—	—
Temephos	—	10	—	—
Terephthalic acid	—	10	—	—
TEPP	0.004	0.047	—	—
Terphenyls	—	—	0.53	5
1,1,1,2-Tetrachloro-2,2-difluoroethane	500	4170	—	—
1,1,2,2-Tetrachloro-1,2-difluoroethane	500	4170	—	—
1,1,2,2-Tetrachloroethane	1	6.9	—	—
Tetrachloronaphthalene	—	2	—	—
Tetraethyl lead, as Pb	—	0.1	—	—
Tetrahydrofuran	200	590	250	737
Tetramethyl lead, as Pb	—	0.15	—	—
Tetramethyl succinonitrile	0.5	2.8	—	—
Tetranitromethane	0.005	0.04	—	—
Tetrasodium pyrophosphate	—	5	—	—
Tetryl (2,4,6-Trinitrophenyl methylnitramine)	—	1.5	—	—
Thallium, elemental and soluble compounds, as Ti	—	0.1	—	—
4,4'-Thiobis (6-tert-butyl-m-cresol)	—	10	—	—
Thioglycolic acid	1	3.8	—	—
Thioyl chloride	—	—	1	4.9
Thiram	—	1	—	—
Tin				
Metal	—	2	—	—
Oxide inorganic compounds, as Sn	—	2	—	—
Organic compounds, as Sn	—	0.1	—	0.2
Titanium dioxide	—	10	—	—
Toluene (Toluol)	50	188	—	—
Toluene-2,4-diisocyanate (TDI)	0.005	0.036	0.02	0.14
Toluidine	2	8.8	—	—
Tributyl phosphate	0.2	2.2	—	—
Trichloroacetic acid	1	6.7	—	—
1,2,4-Trichlorobenzene	—	—	5	37
1,1,1-Trichloroethane (Methyl chloroform)	350	1910	450	2460
1,1,2-Trichloroethane	10	55	—	—
Trichloroethylene	50	269	100	537
Trichlorofluoromethane	—	—	1000	5620
Trichloronaphthalene	—	5	—	—
1,2,3-Trichloropropane	10	60	—	—
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	7670	1250	9590

Triethanolamine	—	5	—	—
Triethylamine	1	4.1	5	20.7
Trifluorobromomethane	1000	6090	—	—
Trimellitic anhydride	—	—	—	0.04
Trimethylamine	5	12	15	36
Trimethyl benzene	25	123	—	—
Trimethyl phosphite	2	10	—	—
2,4,6-Trinitrotoluene (TNT)	—	0.5	—	—
Triorthocresyl phosphate	—	0.1	—	—
Triphenyl amine	—	5	—	—
Triphenyl phosphate	—	3	—	—
Tungsten, as W				
Insoluble compounds	—	5	—	10
Soluble compounds	—	1	—	3
Turpentine	100	566	—	—
Uranium				
Soluble & Insoluble compounds, as U	—	0.2	—	0.6
n-Valeraldehyde	50	176	—	—
Vanadium pentoxide Respirable dust or fume	—	0.05	—	—
Vegetable oil mists	—	10	—	—
Vinyl acetate	10	35	15	53
Vinyl bromide	5	22	—	—
Vinyl chloride (Chloroethylene)	5	13	—	—
4-Vinyl cyclohexene	0.1	0.4	—	—
Vinyl cyclohexene dioxide	10	57	—	—
Vinylidene chloride (1,1-Dichloroethylene)	5	20	20	79
Vinyl toluene	50	242	100	483
Warfarin	—	0.1	—	—
Welding fumes	—	5	—	—
Wood dust				
Hard wood	—	1	—	—
Soft wood	—	5	—	10
Xylene	100	434	150	651
m-Xylene α;, α;1-diamine	—	—	—	0.1
Xylidine (dimethylaminobenzene)	0.5	2.5	—	—
Yttrium metal and compounds, as Y	—	1	—	—
Zinc chloride fume	—	1	—	2
Zinc chromates, as Cr	—	0.01	—	—
Zinc oxide				
Fume	—	5	—	10
Dust	—	10	—	—
Zirconium and compounds, as Zr	—	5	—	10

Notes:

(a) ppm means parts of the substance per million parts of contaminated air by volume; and

(b) mg/m^3 means milligrammes of the substance per cubic metre of contaminated air.

SECOND SCHEDULE

Deleted by S 609/2009, wef 01/03/2010.

[G.N.No.S 134/2006]

LEGISLATIVE HISTORY

WORKPLACE SAFETY AND HEALTH (GENERAL PROVISIONS) REGULATIONS (CHAPTER 354A, RG 1)

This Legislative History is provided for the convenience of users of the Workplace Safety and Health (General Provisions) Regulations. It is not part of these Regulations.

1. **G. N. No. S 134/2006—Workplace Safety and Health (General Provisions) Regulations 2006**
   Date of commencement : 1 March 2006

2. **2007 Revised Edition—Workplace Safety and Health (General Provisions) Regulations**
   Date of operation : 1 October 2007

3. **G. N. No. S 463/2009—Workplace Safety and Health (General Provisions) (Amendment) Regulations 2009**
   Date of commencement : 1 November 2009

4. **G. N. No. S 609/2009—Workplace Safety and Health (General Provisions) (Amendment No. 2) Regulations 2009**
   Date of commencement : 1 March 2010

5. **G.N. No. S 517/2011—Workplace Safety and Health (General Provisions) (Amendment) Regulations 2011**
   Date of commencement : 10 September 2011

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WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A, SECTION 65)

WORKPLACE SAFETY AND HEALTH (RISK MANAGEMENT) REGULATIONS

Rg 8

G.N. No. S 141/2006

REVISED EDITION 2007

(1st October 2007)

[1st September 2006]

itation

1. These Regulations may be cited as the Workplace Safety and Health (Risk Management) Regulations.

Definitions

2. In these Regulations —

"hazard" means anything with the potential to cause bodily injury, and includes any physical, chemical, biological, mechanical, electrical or ergonomic hazard;

"risk" means the likelihood that a hazard will cause a specific bodily injury to any person;

"risk assessment" means the process of evaluating the probability and consequences of injury or illness arising from exposure to an identified hazard, and determining the appropriate measures for risk control.

Risk assessment

3.—(1) In every workplace, the employer, self-employed person and principal shall conduct a risk assessment in relation to the safety and health risks posed to any person who may be affected by his undertaking in the workplace.

(2) The Commissioner may determine the manner in which the risk assessment referred to in paragraph (1) is to be conducted.

Elimination and control of risk

4.—(1) In every workplace, the employer, self-employed person and principal shall take all reasonably practicable steps to eliminate any foreseeable risk to any person who may be affected by his undertaking in the workplace.

(2) Where it is not reasonably practicable to eliminate the risk referred to in paragraph (1), the employer, self-employed person or principal shall implement —

(*a*) such reasonably practicable measures to minimise the risk; and

(*b*) such safe work procedures to control the risk.

(3) The measures referred to in paragraph (2)(*a*) may include all or any of the following:

(*a*) substitution;

(*b*) engineering control;

(*c*) administrative control;

(*d*) provision and use of suitable personal protective equipment.

(4) The employer, self-employed person or principal shall specify the roles and responsibilities of persons involved in the implementation of any measure or safe work procedure referred to in paragraph (2).

(5) In this regulation —

"administrative control" means the implementation of any administrative requirement which includes a permit-to-work system;

"engineering control" —

(*a*) means the application of any scientific principle for the control of any workplace hazard; and

(*b*) includes the application of physical means or measures to any work process, equipment or the work environment such as the installation of any barrier, enclosure, guarding, interlock or ventilation system;

"safe work procedure" means any procedure for carrying out work safely, and includes any procedure which is to be taken to protect the safety and health of persons in the event of an emergency;

"substitution" means the replacement of any hazardous material, process, operation, equipment or device with less hazardous ones.

Records of risk assessment, etc.

5.—(1) Every employer, self-employed person and principal shall —

(*a*) maintain a record of any risk assessment conducted under regulation 3(1), and any measure or safe work procedure implemented under regulation 4(2); and

(*b*) submit the record referred to in sub-paragraph (*a*) to the Commissioner when required by him from time to time.

(2) Every record referred to in paragraph (1) shall be kept by the employer, self-employed person or principal for a period of not less than 3 years.

Provision of information

6.—(1) In every workplace, the employer, self-employed person and principal shall take all reasonably practicable steps to ensure that any person in the workplace who may be exposed to a risk to his safety and health is informed of —

(*a*) the nature of the risk involved; and

(*b*) any measure or safe work procedure implemented under regulation 4(2).

(2) The employer, self-employed person and principal shall comply with paragraph (1) whenever any risk assessment referred to in regulation 3(1) is revised, or where any measure or safe work procedure implemented under regulation 4(2) is changed.

Review of risk assessment

7.—(1) In every workplace, the employer, self-employed person and principal shall review and, if necessary, revise the risk assessment referred to in regulation 3(1) at least once every 3 years.

(2) Notwithstanding paragraph (1), the employer, self-employed person and principal shall review and revise the risk assessment referred to in regulation 3(1) —

(*a*) upon the occurrence of any bodily injury to any person as a result of exposure to a hazard in the workplace; or

(*b*) where there is a significant change in work practices or procedures.

Offences

8. Any employer, self-employed person or principal who contravenes regulation 3(1), 4(1), (2) or (4), 5, 6 or 7 shall be guilty of an offence and shall be liable on conviction —

(*a*) for a first offence, to a fine not exceeding $10,000; and

(*b*) for a second or subsequent offence, to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 6 months or to both.

[G.N. No. S 141/2006]

LEGISLATIVE HISTORY

WORKPLACE SAFETY AND HEALTH (RISK MANAGEMENT) REGULATIONS (CHAPTER 354A, RG 8)

This Legislative History is provided for the convenience of users of the Workplace Safety and Health (Risk Management) Regulations. It is not part of these Regulations.

1. **G. N. No. S 141/2006—Workplace Safety and Health (Risk Management) Regulations 2006**

Date of commencement : 1 September 2006

2. **2007 Revised Edition—Workplace Safety and Health (Risk Management) Regulations**

Date of operation : 1 October 2007

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No. S 515

WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A)

WORKPLACE SAFETY AND HEALTH
(OPERATION OF CRANES)
REGULATIONS 2011

In exercise of the powers conferred by section 65 of the Workplace Safety and Health Act, the Minister for Manpower hereby makes the following Regulations:

PART I

PRELIMINARY

Citation and commencement

1.—(1) These Regulations may be cited as the Workplace Safety and Health (Operation of Cranes) Regulations 2011 and shall, with the exception of regulation 5(4) and (5), come into operation on 10th September 2011.

(2) Regulation 5(4) and (5) shall come into operation on 1st September 2013.

Definitions

2. In these Regulations, unless the context otherwise requires —

"approved crane contractor" means any firm or company which is the holder of a valid certificate of approval issued by the Commissioner under regulation 22;

"crane" means a machine incorporating an elevated structural member or jib beneath which suspended loads may be moved vertically (whether upwards or downwards) or horizontally or both, either by slewing the machine or derricking the jib, or by any other means not solely involving a travelling motion of the crane;

"lorry loader" means a lorry incorporating an articulator arm mounted on the lorry which is used for loading, unloading and lifting of materials or goods;

"mobile crane" means a crane mounted on a truck, crawler or on wheels and includes any crane of a type shown in the First Schedule;

"registered crane operator" means any person who is the holder of a valid certificate of registration issued by the Commissioner under regulation 6;

"responsible person", in relation to a workplace where a crane is, or is to be, operated by a person means —

(*a*) the employer of the person; or

(*b*) the principal under whose direction the person operates the crane;

"tower crane" means a crane which has a vertical or near vertical tower designed to be free standing up to a height specified by the Commissioner and includes any crane of a type shown in the Second Schedule.

Application

3. These Regulations shall apply to any workplace in which a crane is in use.

PART II

GENERAL PROVISIONS

Lifting plan

4.—(1) Where any lifting operation involving the use of any crane is carried out in a workplace by a crane operator, it shall be the duty of the responsible person to establish and implement a lifting plan which shall be in accordance with the generally accepted principles of safe and sound practice.

(2) It shall be the duty of the responsible person to ensure that the lifting plan referred to in paragraph (1) is made available for inspection upon request by an inspector.

Only registered crane operator to operate a mobile crane and tower crane

5.—(1) No person shall operate a mobile crane (not being a lorry loader) or tower crane in a workplace unless he is a registered crane operator.

(2) It shall be the duty of the responsible person to ensure that no person, other than a registered crane operator, is employed, permitted or made to operate a mobile crane (not being a lorry loader) or tower crane in a workplace.

(3) A person, whether or not he is also a registered crane operator, may drive a mobile crane in a workplace if he is the holder of a driving licence issued under the Road Traffic Act (Cap. 276) authorising him to drive a mobile crane of a class or description permitted by the licence, but he shall not operate the mobile crane unless he also satisfies the requirement referred to in paragraph (1).

(4) No person shall operate a lorry loader unless —

(a) he has successfully completed a training course, acceptable to the Commissioner, on the operation of a lorry loader;

(b) if required by the Commissioner, he attends re-training on the operation of a lorry loader and successfully completes such re-training; and

(c) if required by the Commissioner, he produces a current medical certificate from a registered medical practitioner certifying that he is medically fit to operate a lorry loader.

(5) It shall be the duty of the responsible person to ensure that no person is allowed to operate a lorry loader unless the person satisfies the requirements referred to in paragraph (4).

PART III

REGISTRATION OF CRANE OPERATORS

Application for registration to be crane operator

6.—(1) A person may apply to the Commissioner for his approval to register as a crane operator.

(2) An application under paragraph (1) shall be —

(*a*) in such form and manner as the Commissioner may determine; and

(*b*) accompanied by the appropriate fee specified in the Third Schedule and such fee shall not be refundable.

(3) Upon receiving an application under paragraph (1), the Commissioner may, subject to regulation 7 —

(*a*) issue the person with a certificate of registration to act as a crane operator subject to such conditions as the Commissioner may think fit to impose; or

(*b*) refuse to approve the application.

equirements for registration as crane operator

7.—(1) A person may register as a crane operator if he satisfies the Commissioner that —

(*a*) he has successfully completed a training course acceptable to the Commissioner on the operation of a mobile crane or tower crane;

(*b*) he has, in the opinion of the Commissioner, sufficient experience in operating a mobile crane or tower crane and has passed a proficiency test acceptable to the Commissioner; or

(*c*) he possesses any other equivalent qualification acceptable to the Commissioner.

(2) The Commissioner may require an applicant to produce a current medical certificate from a registered medical practitioner which certifies that the applicant is medically fit to operate a mobile crane or tower crane.

(3) The Commissioner shall not register an applicant who has been certified by a registered medical practitioner to be unfit to operate a mobile crane or tower crane.

Certificate of registration

8.—(1) A certificate of registration to act as a crane operator shall, unless the registration is earlier cancelled, be valid for a period of 2 years from the date of registration or for such shorter period as the Commissioner may specify in the certificate of registration.

(2) A certificate of registration shall not be transferable.

(3) Where a certificate of registration is lost, destroyed or defaced, the holder of the certificate may apply to the Commissioner for a replacement certificate on payment of the appropriate fee specified in the Third Schedule.

(4) An application under paragraph (3) to the Commissioner shall be supported by such documentary proof that the certificate of registration issued earlier is lost, destroyed or defaced.

Register of crane operators

9. The Commissioner shall keep an up-to-date register of all persons registered as crane operators.

Production of certificate of registration upon request

10.—(1) It shall be the duty of a registered crane operator to produce his certificate of registration for inspection upon request by an inspector.

(2) Any person who contravenes paragraph (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $2,000.

Renewal of registration

11.—(1) An application by a person for the renewal of his certificate of registration to act as a crane operator shall be made in such form and manner as the Commissioner may determine, and shall be accompanied by the appropriate fee specified in the Third Schedule.

(2) Any renewal fee paid under paragraph (1) shall not be refundable.

(3) Upon receiving an application for the renewal of registration under paragraph (1), the Commissioner may —

(*a*) renew the certificate of registration to act as a crane operator for a period of 2 years or for such shorter period as the Commissioner may specify in the certificate of registration; or

(*b*) refuse the application for renewal if the Commissioner is satisfied that the applicant is no longer a fit and proper person to be registered as a crane operator.

Conditions for renewal of registration as crane operator

12.—(1) The Commissioner may impose such conditions for the renewal of registration as a crane operator as he thinks fit.

(2) The conditions referred to in paragraph (1) may include any one or all of the following:

(*a*) requiring an applicant to attend a refresher course acceptable to the Commissioner on the operation of a mobile crane or a tower crane;

(*b*) requiring an applicant to pass a proficiency test acceptable to the Commissioner for crane operation;

(*c*)

requiring an applicant to produce a current medical certificate from a registered medical practitioner which certifies that the applicant is medically fit to operate a mobile crane or tower crane.

Suspension and cancellation of registration

13.—(1) The Commissioner may suspend or cancel the registration of any registered crane operator if the Commissioner is satisfied that the registered crane operator —

(*a*) has obtained his registration under these Regulations by means of fraud, false representation or the concealment of any material fact;

(*b*) has been certified by a registered medical practitioner to be unfit to operate a mobile crane or a tower crane; or

(*c*) has failed to comply with any of the duties set out in these Regulations.

(2) It shall be the duty of a registered crane operator upon becoming aware of any medical condition which may render him unfit to operate a mobile crane or a tower crane to inform the Commissioner of such medical condition without undue delay.

(3) Any person who contravenes paragraph (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $2,000.

Notice of suspension and cancellation of registration

14.—(1) When the Commissioner has suspended or cancelled the registration of a registered crane operator under regulation 13, the Commissioner shall inform the registered crane operator concerned by notice in writing of such suspension or cancellation.

(2) The suspension or cancellation shall take effect 21 days after the date of the service of the notice on the registered crane operator or, if an appeal against the suspension or cancellation of registration has been made to the Minister under paragraph (4), on the date the Minister dismisses the appeal.

(3) Notwithstanding that the suspension or cancellation has not taken effect, any registered crane operator whose registration is suspended or cancelled by the Commissioner shall not, between the date of the service of the notice of suspension or cancellation and the date the suspension or cancellation takes effect (both dates inclusive), operate a mobile crane (not being a lorry loader) or a tower crane.

(4) A registered crane operator whose registration has been suspended or cancelled by the Commissioner under regulation 13 may, within 21 days of the date of the service of the notice of suspension or cancellation, appeal to the Minister whose decision shall be final.

(5) The notice of suspension or cancellation may be served on any person by delivering it to him, or by leaving it at, or sending it by registered post to, his last known residential address.

Surrender of certificate

15.—(1) A registered crane operator shall immediately surrender to the Commissioner his certificate of registration when the suspension or cancellation takes effect in accordance with regulation 14(2).

(2) Any person who contravenes paragraph (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

Duties of crane operator

16. It shall be the duty of a crane operator —

(*a*) before the start of every workshift, to carry out operational tests on all limiting and indicating devices under no load conditions before any lifting operation is carried out and shall enter the results of such tests in a log book or log-sheet;

(*b*) to ascertain whether the ground conditions, in particular the ground surface on which a mobile crane is to be operated, are safe for travel or any lifting operation; and if he is of the opinion that it is not safe for travel or any lifting operation, he shall report this to the lifting supervisor;

(*c*) to ensure that any outrigger when it is required is fully extended and secured;

(*d*) not to carry out any lifting operation unless he has been briefed by the lifting supervisor on the lifting plan referred to in regulation 4;

(*e*) not to hoist any object if he is unable to ascertain the weight of the load;

(*f*) not to hoist any load unless he has received a clear signal from a signalman when this is required under regulation 19;

(*g*) not to engage in any act or manoeuvre which is not in accordance with safe and sound practice;

(*h*) not to hoist any load if there is any obstruction in the path of manoeuvre and if there is any such obstruction, he shall report this immediately to the lifting supervisor;

(*i*) not to manoeuvre or hold any suspended load over any public road or public area unless that road or area has been cordoned off;

(*j*) not to operate a mobile crane or a tower crane within 3 metres of any live overhead power line;

(*k*) not to use the crane for any operation for which it is not intended, including pulling or dragging a load;

(*l*) to ensure that any stationary truck mounted or wheel mounted crane is adequately and securely blocked while it is on a slope; and

(*m*) to report any failure or malfunction of the crane to the lifting supervisor and to make an appropriate entry of the failure or malfunction in the log book or log-sheet of the crane.

PART IV

APPOINTMENT AND DUTIES OF PERSONNEL

Appointment and duties of lifting supervisor

17.—(1) It shall be the duty of the responsible person to appoint a lifting supervisor before any lifting operation involving the use of any crane is carried out in a workplace.

(2) It shall be the duty of the responsible person not to appoint any person as a lifting supervisor for any lifting operation involving the use of a crane in a workplace unless the person is one who —

(*a*) has successfully completed a training course acceptable to the Commissioner to equip him to become a lifting supervisor; and

(*b*) has, in the opinion of the responsible person, such relevant experience in lifting operations for a period of not less than one year before the appointment as a lifting supervisor.

(3) It shall be the duty of the lifting supervisor appointed under paragraph (1) —

(*a*) to co-ordinate all lifting activities;

(*b*) to supervise all lifting operation by a mobile crane or tower crane in accordance with the lifting plan referred to in regulation 4;

(*c*) to ensure that only registered crane operators, appointed riggers and appointed signalmen participate in any lifting operation involving the use of a mobile crane or a tower crane;

(*d*) to ensure that the ground conditions are safe for any lifting operation to be performed by any mobile crane;

(*e*) to brief all crane operators, riggers and signalmen on the lifting plan referred to in regulation 4; and

(*f*) if any unsatisfactory or unsafe conditions are reported to him by any crane operator or rigger, take such measures to rectify the unsatisfactory or unsafe condition or otherwise ensure that any lifting operation is carried out safely.

Appointment and duties of rigger

18.—(1) It shall be the duty of the responsible person to appoint a rigger before any lifting operation involving the use of any mobile crane or tower crane is carried out in the workplace by a crane operator.

(2) It shall be the duty of the responsible person —

(*a*) not to appoint any person as a rigger in a workplace unless the person has successfully completed a training course acceptable to the Commissioner to equip him to be a rigger; and

(*b*) to ensure that the rigger who is appointed under paragraph (1) is attired in such a way as would distinctively identify him as a rigger.

(3) No person shall rig up loads for any lifting operation by a mobile crane or tower crane unless he is a rigger appointed in accordance with paragraph (1).

(4) It shall be the duty of a rigger appointed under paragraph (1) to —

(*a*) check the slings to be used for slinging the loads to ensure that the slings are of good construction, sound and suitable material, adequate strength and free from patent defect;

(*b*) ensure that an adequate number of legs of the sling are used and that the slinging angle is correct so as to prevent the sling from being overloaded during the hoisting;

(*c*) ascertain the weight of the load which is to be lifted and inform the crane operator of the weight of the load;

(*d*) ensure that only proper lifting gears are used in conjunction with the sling;

(*e*) ensure that the load to be lifted is secure, stable and balanced;

(*f*) ensure that any loose load (which includes any stone, brick or tile) is placed in a receptacle to prevent the load or part thereof from falling during the lifting operation;

(*g*) place adequate padding at the edges of the load which come in contact with the sling so as to prevent the sling from being damaged; and

(*h*) report any defect in the lifting gear to the lifting supervisor.

Appointment and duties of signalman

19.—(1) It shall be the duty of the responsible person to appoint a signalman before any lifting operation involving the use of any mobile crane or tower crane is carried out in a workplace by a crane operator.

(2) It shall be the duty of the responsible person —

(*a*) not to appoint any person as a signalman in a workplace unless the person has successfully completed a training course acceptable to the Commissioner to equip him to be a signalman; and

(*b*) to ensure that the signalman who is appointed under paragraph (1) is attired in such a way as would distinctively identify him as a signalman.

(3) No person shall give signal to the crane operator unless he is a signalman appointed in accordance with paragraph (1).

(4) It shall be the duty of the signalman appointed under paragraph (1) to —

(*a*) ensure or verify with the rigger that the load is properly rigged up before he gives a clear signal to the crane operator to lift the load; and

(*b*) give correct and clear signals to guide the crane operator in the manoeuvre of the load safely to its destination.

PART V

INSTALLATION, REPAIR, ALTERATION, TESTING AND DISMANTLING OF MOBILE CRANE OR TOWER CRANE

Only approved crane contractor to install, repair, alter or dismantle mobile crane or tower crane

20.—(1) No person shall install, repair, alter or dismantle a mobile crane or tower crane unless he is an approved crane contractor.

(2) Paragraph (1) shall not apply —

(*a*) to the installation or dismantling of a fly jib; and

(*b*) to the repair of any non-load bearing part of a crane, unless the repair affects the safe operation of the crane.

Application for approval to be approved crane contractor

21.—(1) A firm or company may apply to the Commissioner for approval to act as an approved crane contractor.

(2) An application under paragraph (1) shall be —

(*a*) accompanied by the appropriate fee specified in the Third Schedule and such fee shall not be refundable;

(*b*) in such form and manner as the Commissioner may require; and

(*c*) accompanied by such particulars, information, statements and documents as the Commissioner may require.

Certificate of approval

22.—(1) On receipt of an application under regulation 21(1), the Commissioner may —

(*a*) issue to the applicant a certificate of approval, subject to such conditions as the Commissioner may think fit to impose; or

(*b*) refuse to approve the application.

(2) Where the Commissioner refuses to approve the applicant to act as an approved crane contractor, he shall give the applicant notice in writing of the reasons for his refusal.

(3) The Commissioner may at any time vary or revoke any of the existing conditions imposed under paragraph (1) or impose new conditions.

(4) A certificate of approval for a firm or company to act as an approved crane contractor shall, unless the approval for the firm or company to act as an approved crane contractor is earlier cancelled, be valid for a period of 2 years from the date of the approval or for such shorter period as the Commissioner may specify in the certificate of approval.

(5) A certificate of approval may, on payment of the renewal fee specified in the Third Schedule, be renewed by the Commissioner for such period as the Commissioner may determine, from the date immediately following that on which, but for its renewal, the certificate of approval would have expired.

Production of certificate of approval upon request

23.—(1) It shall be the duty of an approved crane contractor to produce his certificate of approval for inspection upon request by an inspector.

(2) Any person who contravenes paragraph (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $2,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $5,000.

Suspension or cancellation of certificate

24. The Commissioner may suspend or cancel the certificate of approval issued to any approved crane contractor if the Commissioner is satisfied that the approved crane contractor —

(*a*) has obtained the certificate of approval under these Regulations by means of fraud, false representation or the concealment of any material fact; or

(*b*)

is contravening or has contravened any condition subject to which the certificate was issued.

Notice of suspension or cancellation of certificate

25.—(1) When the Commissioner has suspended or cancelled the certificate of approval under regulation 24, the Commissioner shall inform the approved crane contractor concerned by notice in writing of such suspension or cancellation.

(2) The suspension or cancellation shall take effect 21 days after the date of the service of the notice on the approved crane contractor or, if an appeal against the suspension or cancellation of the certificate of approval has been made to the Minister under paragraph (4), on the date the Minister dismisses the appeal.

(3) Notwithstanding that the suspension or cancellation has not taken effect, any approved crane contractor whose certificate of approval is suspended or cancelled by the Commissioner shall not, between the date of the service of the notice of suspension or cancellation and the date the suspension or cancellation takes effect (both dates inclusive), install, repair, alter or dismantle a mobile crane or tower crane.

(4) An approved crane contractor whose certificate of approval has been suspended or cancelled by the Commissioner under regulation 24 may, within 21 days of the date of the service of the notice of suspension or cancellation, appeal to the Minister whose decision shall be final.

(5) A notice of suspension or cancellation may be served on any firm or company by leaving it at, or sending it by registered post to, the last known business address.

uties of approved crane contractor

26.—(1) Subject to paragraph (2), it shall be the duty of an approved crane contractor —

(*a*) obtain a manufacturer's manual which contains instructions on the safe procedures for the installation, repair, alteration and dismantling of the mobile crane or tower crane, before he installs, repairs, alters or dismantles any mobile crane or tower crane; and

(*b*) ensure that the crane is installed, repaired, altered or dismantled in accordance with the instructions contained in such manual.

(2) Where the manual referred to in paragraph (1) is not available, it shall be the duty of the approved crane contractor to ensure that the installation, repair, alteration or dismantling of any mobile crane or tower crane is under the immediate supervision of an authorised examiner.

Duties of owner of mobile crane and tower crane

27. It shall be the duty of the owner of any mobile crane or tower crane to ensure that after every installation, repair, alteration and dismantling of a mobile crane or tower crane —

(*a*) the crane is tested and certified safe by an authorised examiner for the operations for which it is intended; and

(*b*)

the crane is not used unless it has been tested and certified in accordance with sub-paragraph (*a*).

PART VI

MISCELLANEOUS

Offence

28. Any person who contravenes regulation 4(1) or (2), 5(1), (2) (4) or (5), 14(3), 16, 17 (1), (2) or (3), 18(1), (2), (3) or (4), 19(1), (2), (3) or (4), 20(1), 25(3), 26(1) or (2) or 27 shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $20,000 or to imprisonment for a term not exceeding 2 years or to both.

Revocation

29. The Factories (Operation of Cranes) Regulations (Cap. 104, Rg 10) are revoked.

Savings and transitional provision

30. Every person who, immediately before 10th September 2011, is —

(*a*) a crane operator registered under the repealed Factories (Operation of Cranes) Regulations (Cap. 104, Rg 10); or

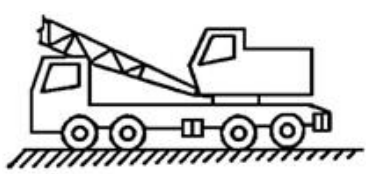
(*b*) an approved crane contractor approved under the repealed Factories (Operation of Cranes) Regulations,

shall be deemed to be registered or approved under regulations 7 and 22 of these Regulations respectively, and such registration or approval shall expire on the day it would have expired if these Regulations had not been enacted.

FIRST SCHEDULE

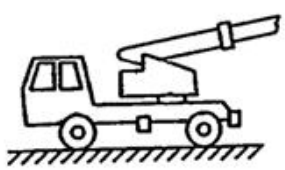
Regulation 2

TYPES OF MOBILE CRANES

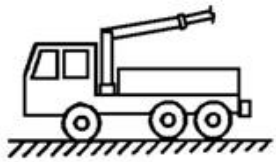


Truck mounted crane

Type (*a*)



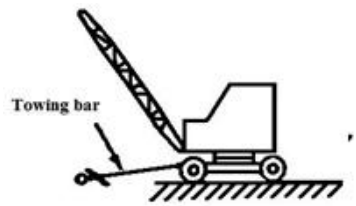
Type (*b*)



Lorry loader

Self-propelling wheel mounted crane

Self-propelling crawler track mounted crane



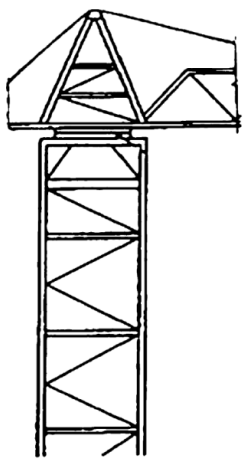
Portable crane

SECOND SCHEDULE

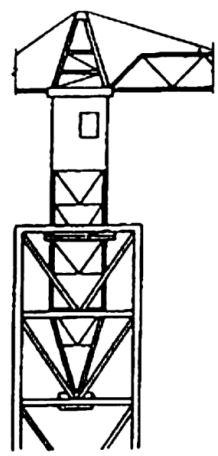
Regulation 2

TYPES OF TOWER CRANES

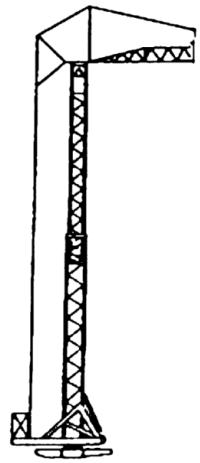
MOUNTED TOWER CRANES



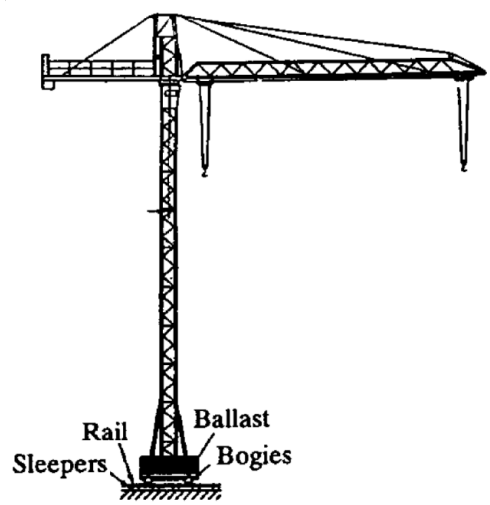
(*a*) Mono tower



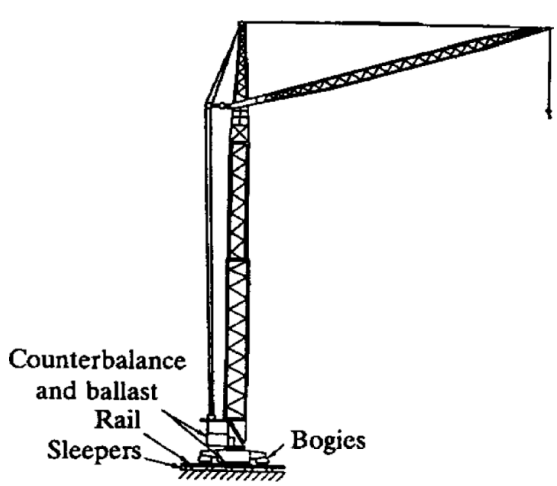
(*b*) Inner and outer tower



(*c*) Telescopic tower



(*d*) With saddle-jib and fixed tower



(*e*) With luffing jib and slewing tower

THIRD SCHEDULE

Regulations 6(2), 8(3), 11(1), 21(2) and 22(5)

FEES

	First column	*Second column*
1.	An application for registration as a crane operator	$20
2.	An application for renewal of registration as a crane operator	$20
3.	To replace a certificate of registration as a crane operator	$10 per certificate to be replaced
4.	An application for approval as a crane contractor	$150
5.	An application for renewal of approval as a crane contractor	$150.

Made this 8th day of September 2011.

LOH KHUM YEAN
Permanent Secretary,
Ministry of Manpower,
Singapore.

[C10-048-00010; AG/LLRD/SL/354A/2010/6 Vol. 1]

(To be presented to Parliament under section 65(8) of the Workplace Safety and Health Act)

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No. S 516

WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A)

WORKPLACE SAFETY AND HEALTH
(MEDICAL EXAMINATIONS)
REGULATIONS 2011

In exercise of the powers conferred by section 65 of the Workplace Safety and Health Act, the Minister for Manpower hereby makes the following Regulations:

PART I

PRELIMINARY

Citation and commencement

1. These Regulations may be cited as the Workplace Safety and Health (Medical Examinations) Regulations 2011 and shall come into operation on 10th September 2011.

Definitions

2. In these Regulations, unless the context otherwise requires —

"compressed air" means air that is mechanically raised to a pressure higher than atmospheric pressure at sea level;

"designated workplace doctor" means a medical practitioner registered as a designated workplace doctor in accordance with Part III;

"hazardous occupation" means any of the occupations referred to in regulation 3;

"responsible person", in relation to a person employed in any hazardous occupation, means —

(*a*) the employer of that person; or

(*b*) the principal under whose direction that person is employed in any hazardous occupation.

Application

3. These Regulations shall apply to all workplaces in which persons are employed in any hazardous occupation, being any occupation involving —

(*a*) the use or handling of or exposure to the liquid, fumes, dust, mist, gas or vapour of arsenic, cadmium, lead, manganese or mercury or any of their compounds;

(*b*) the use or handling of or exposure to the fumes or vapour of benzene, perchloroethylene, trichloroethylene, organophosphates or vinyl chloride monomer;

(*c*) the use or handling of or exposure to tar, pitch, bitumen or creosote;

(*d*) the use or handling of or exposure to the dust of asbestos, raw cotton or silica;

(*e*) exposure to excessive noise; or

(*f*) any work in a compressed air environment.

PART II

MEDICAL EXAMINATIONS OF PERSONS EMPLOYED IN HAZARDOUS OCCUPATIONS

Persons to be medically certified fit for employment

4.—(1) It shall be the duty of the responsible person of a person who is to be employed in any hazardous occupation described in regulation 3(*a*) to (*e*) to ensure that the person shall undergo a pre placement medical examination by a designated workplace doctor and be certified fit to work in such occupation, not later than 3 months after the date he commences his employment in such occupation.

(2) It shall be the duty of the responsible person of a person who is to be employed in the hazardous occupation described in regulation 3(*f*) to ensure that the person shall be medically examined by a designated workplace doctor and certified fit to work in such occupation within 30 days before the date he is to commence his employment in such occupation.

(3) The medical examination referred to in paragraph (1) or (2) shall —

(*a*) consist of the examinations and investigations specified in the Schedule and such other examinations or investigations as the Commissioner may require from time to time in any particular case; and

(*b*) include —

(i) a clinical examination of the person for symptoms and signs of any diseases that may result from exposure to the hazards of the occupation in which the person is employed; and

(ii) an assessment as to whether the person who is to be employed in a hazardous occupation is fit to work in that occupation.

Periodic medical examinations

5.—(1) It shall be the duty of the responsible person of a person employed in any hazardous occupation to ensure that the person shall be periodically examined by a designated workplace doctor.

(2) The periodic medical examinations referred to in paragraph (1) shall —

(*a*) consist of the examinations and investigations specified in the Schedule;

(*b*) include —

(i) a clinical examination of the person for symptoms and signs of any diseases that may result from exposure to the hazards of the occupation in which the person is employed; and

(ii) an assessment as to whether the person who is employed in a hazardous occupation is fit to continue working in that occupation; and

(*c*) take place at the intervals specified in the Schedule.

(3) Notwithstanding paragraph (2), the Commissioner may, in cases where he considers expedient, require any person to be examined at intervals other than or in addition to those specified in the Schedule.

Other medical examinations

6.—(1) The Commissioner may require any person or category of persons employed in any hazardous occupation to undergo a medical examination other than or in addition to the medical examinations referred to in regulations 4 and 5.

(2) Where a person employed in any hazardous occupation is required to undergo any audiometric examinations under these egulations, it shall be the duty of the responsible person of that person to ensure that the audiometric examinations shall be carried ut by persons who have undergone a course of training in audiometric screening acceptable to the Commissioner (as specified by he Commissioner at the Ministry of Manpower website).

(3) Any responsible person who contravenes paragraph (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $2,000.

Medical expenses to be borne by responsible person

7.—(1) It shall be the duty of the responsible person of a person who is employed or to be employed in any hazardous occupation —

(*a*) to arrange, at the expense of the responsible person, all medical examinations and investigations that the person employed or to be employed in any hazardous occupation is required to undergo under these Regulations; and

(*b*) to grant paid leave of absence to that person required to undergo any medical examination or investigation under these Regulations.

(2) It shall be the duty of any person who is required to undergo any medical examination or investigation under these Regulations to ensure that he shall submit himself for such medical examination and investigation.

(3) Any person who contravenes paragraph (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $2,000.

Registers of employees in hazardous occupations

8.—(1) It shall be the duty of the responsible person of a person or persons employed in any hazardous occupation in a workplace to keep registers of such persons.

(2) The responsible person shall ensure that the registers referred to in paragraph (1) are —

(*a*) kept in such form and manner as may be required by the Commissioner;

(*b*) updated at all times such as to show at any time, the particulars of all persons who are currently employed in any hazardous occupation in the workplace and all the persons who had or have been employed in the hazardous occupation in the workplace in the last 5 years; and

(*c*) be produced for inspection upon request by an inspector.

(3) Any person who contravenes paragraph (1) or (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $10,000.

Designated workplace doctor to report results of medical examinations to employers

9.—(1) It shall be the duty of the designated workplace doctor to report the results of the medical examination of a person employed in any hazardous occupation in a workplace to the responsible person of that person.

(2) The report under paragraph (1) shall be submitted by the designated workplace doctor in a form determined by the Commissioner.

(3) The responsible person of a person employed in any hazardous occupation shall —

(*a*) keep the report of every medical examination of that person employed in a hazardous occupation for a period of at least 5 years from the date of the medical examination; and

(*b*) whenever required by the Commissioner within the period referred to in sub-paragraph (*a*), make available to the Commissioner the report or a summary of the report, as the Commissioner may specify.

(4) Any person who contravenes paragraph (1), (2) or (3) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 and, in the case of a second or subsequent conviction, to a fine not exceeding $10,000.

Designated workplace doctor may recommend suspension from work

10.—(1) Where a designated workplace doctor, having regard to the results of the medical examination carried out under these Regulations, is satisfied that the health of a person is likely to be or has been injuriously affected by the person's employment in a hazardous occupation, it shall be the duty of the designated workplace doctor to advise the person that he —

(*a*) should not continue to be employed in that occupation; or

(*b*) be suspended from his work in such hazardous occupation temporarily for such period of time, as may be determined by the designated workplace doctor or permanently.

(2) Where the designated workplace doctor advises that a person employed in a hazardous occupation be suspended from employment in such hazardous occupation, it shall be the duty of the designated workplace doctor to —

(*a*) complete a certificate of suspension in such form and manner as may be determined by the Commissioner; and

(*b*) give a copy of the certificate of suspension to that person who is to be suspended from employment in a hazardous occupation, the responsible person concerned and the Commissioner.

(3) It shall be the duty of the responsible person of the person named in the certificate of suspension referred to in paragraph (2) to suspend the person from his work in the hazardous occupation.

(4) Any person named in the certificate of suspension referred to in paragraph (2) or the responsible person may, within 14 days from the date of the certificate of suspension, appeal to the Commissioner against it and the Commissioner's decision shall be final.

Designated workplace doctor may inspect place of work

11.—(1) It shall be the duty of the occupier of a workplace to provide all facilities to the designated workplace doctor to inspect the premises of the workplace and any process or work in or on which a person being examined by the designated workplace doctor under these Regulations is or is to be employed.

(2) It shall be the duty of the responsible person of a person who is employed in any hazardous occupation in a workplace and the occupier of that workplace to provide the designated workplace doctor with all information which is relevant and within their joint knowledge to enable the designated workplace doctor to carry out a proper medical examination of such person under these Regulations.

PART III

REGISTRATION TO ACT AS DESIGNATED WORKPLACE DOCTORS

Application for registration as designated workplace doctor

12.—(1) A person who —

(*a*) is a medical practitioner registered under the provisions of the Medical Registration Act (Cap. 174); and

(*b*) has successfully completed and passed a course of training in occupational health acceptable to the Commissioner (as specified by the Commissioner at the Ministry of Manpower website),

may apply to the Commissioner to be registered to act as a designated workplace doctor.

(2) An application under paragraph (1) shall be in such form and manner as the Commissioner may determine.

(3) Upon receiving an application under paragraph (1), the Commissioner may —

(*a*) if he is satisfied that the applicant is a fit and proper person to be registered as a designated workplace doctor, register the applicant either unconditionally, or subject to such conditions as the Commissioner thinks fit, as a designated workplace doctor; or

(*b*) if he is not so satisfied, refuse to register the applicant as a designated workplace doctor.

(4) The Commissioner may at any time vary or revoke any condition imposed under paragraph (3)(*a*) or impose new conditions.

Certificate of registration

13.—(1) Upon a medical practitioner being registered as a designated workplace doctor under this Part, the Commissioner shall —

(*a*) issue him with a certificate of registration; and

(*b*) record his name and relevant particulars in the register of designated workplace doctors.

(2) A certificate of registration shall not be transferable.

(3) Where a certificate of registration is lost, destroyed or defaced, the holder of the certificate may apply to the Commissioner for a replacement certificate.

(4) The Commissioner may require an applicant to produce evidence, including a statutory declaration by the applicant, that the certificate of registration issued earlier by the Commissioner has been lost, destroyed or defaced.

Register of designated workplace doctor

14. The Commissioner shall keep a register of all persons registered to act as a designated workplace doctor and shall ensure that the register is updated at all times.

Suspension and cancellation of approval

15.—(1) The Commissioner may suspend for such period as he may determine or cancel the registration under regulation 12 of any person as a designated workplace doctor if —

(*a*) the Commissioner is satisfied that the person —

(i) had obtained or procured his approval by fraud or misrepresentation;

(ii) has breached any term or condition subject to which the approval was granted; or

(iii) is no longer a fit and proper person to act as a designated workplace doctor; or

(*b*) the Commissioner considers it in the public interest to do so.

(2) The Commissioner shall, before suspending or cancelling the approval of any person as a designated workplace doctor under paragraph (1) —

(*a*) give the affected person notice in writing of his intention to do so;

(*b*) specify a date, not less than 21 days after the date of the notice under sub-paragraph (*a*), upon which the suspension or cancellation shall take effect; and

(*c*) call upon the affected person to show cause to the Commissioner why registration of the person as a designated workplace doctor should not be suspended or cancelled.

(3) If the person to whom a notice has been given under paragraph (2) —

(*a*) fails to show cause within the period of time given to him to do so or such extended period of time as the Commissioner may allow in any particular case; or

(*b*) fails to show sufficient cause,

the Commissioner shall give notice in writing to that person of the date from which the suspension or cancellation of the approval shall take effect.

(4) A person whose registration as a designated workplace doctor has been suspended or cancelled may, within 14 days after the receipt of the notice referred to in paragraph (2), appeal in writing against the suspension or cancellation to the Minister whose decision shall be final.

Surrender of certificate

16.—(1) A person whose registration as a designated workplace doctor has been suspended or cancelled by the Commissioner under regulation 15 shall, within 7 days after the date of suspension or cancellation takes effect, surrender his certificate of registration issued under regulation 13(1)(*a*), notwithstanding any appeal to the Minister under regulation 15(4).

(2) Any person who contravenes paragraph (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

(3) The suspension or cancellation ceases to be of effect on the date the Minister determines the appeal in favour of the person whose registration as a designated workplace doctor has been suspended or cancelled.

PART IV

MISCELLANEOUS

Offence

17. Any person who contravenes regulation 4(1) or (2), 5(1), 7(1), 10(1), (2) or (3) or 11(1) or (2) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $10,000.

Revocation

18. The Factories (Medical Examinations) Regulations (Cap. 104, Rg 6) are revoked.

Savings and transitional provision

19.—(1) Every person who, immediately before 10th September 2011, is a designated factory doctor approved by the Chief Inspector under Part III of the revoked Factories (Medical Examinations) Regulations, shall continue in such capacity as if he is approved as a designated workplace doctor under regulation 13(1) of these Regulations.

(2) These Regulations shall not affect any medical examination or investigation commenced or pending before 10th September 2011, and every such examination or investigation may be continued and everything which is or is to be done pursuant to every such examination or investigation may be done in all respects after that date as if these Regulations had not been enacted.

THE SCHEDULE

Regulations 4(3) and 5(2) and (3)

First column *Nature of occupation*	*Second column* *Types of medical examinations*	*Third column* *Pre-placement and periodic medical examinations*
1. Occupations involving the use or handling of or exposure to the fumes, dust, mist, gas or vapour of —		
(*a*) arsenic or any of its compounds	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Urine arsenic examination	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iii) Liver function tests including serum bilirubin, alkaline phosphatase, gamma glutamyl transpeptidase, alanine and aspartate aminotransferase estimations	(iii) Pre-placement medical examination under regulation 4 only
	(iv) A full size chest x−ray examination	(iv) Pre-placement medical examination under regulation 4 only
(*b*) cadmium or any of its compounds	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Blood cadmium estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iii) Urine $Beta_2$-microglobulin estimation	(iii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
(*c*) lead or any of its compounds		
(i) Inorganic lead	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 6 months
	(ii) Blood lead estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 6 months
	(iii) Haemoglobin	(iii) Pre-placement medical examination under regulation 4 and thereafter every 6 months
(ii) Organic lead	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 6 months
	(ii) Urine lead estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 6 months
(*d*) manganese or any of its compounds	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Urine manganese estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
(*e*) mercury or any of its compounds	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Urine mercury estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
2. Occupations involving the use or handling of or exposure to the liquid, fumes or vapour of —		
(*a*) benzene	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Urine tt-muconic acid or urine s−phenylmercapturic acid estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iii) Haemoglobin estimation and full blood count	(iii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iv) Peripheral blood film	(iv) Pre-placement medical examination under regulation 4 and thereafter every 12 months
(*b*) organophosphates	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 6 months
	(ii) Red blood cell acetylcholinesterase estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 6 months
(*c*) perchloroethylene	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii)	(ii)

First column *Nature of occupation*	*Second column* *Types of medical examinations*	*Third column* *Pre-placement and periodic medical examinations*
	Urine trichloroacetic acid estimation	Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iii) Liver function tests including serum bilirubin, alkaline phosphatase, gamma glutamyl transpeptidase, alanine and aspartate aminotransferase estimations	(iii) Pre-placement medical examination under regulation 4 only
(*d*) trichloroethylene	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Urine trichloroacetic acid estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iii) Liver function tests including serum bilirubin, alkaline phosphatase, gamma glutamyl transpeptidase, alanine and aspartate aminotransferase estimations	(iii) Pre-placement medical examination under regulation 4 only
(*e*) vinyl chloride monomer	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Liver function tests including serum bilirubin, alkaline phosphatase, gamma glutamyl transpeptidase, alanine and aspartate aminotransferase estimations	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
3. Occupations involving the use or handling of or exposure to tar, pitch, bitumen or creosote	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
4. Occupations involving the use or handling of or exposure to the dust of —		
(*a*) asbestos	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 36 months
	(ii) A full size chest x−ray examination	(ii) Pre-placement medical examination under regulation 4 and thereafter every 36 months
(*b*) raw cotton	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(ii) Lung function tests (FEV_1 and FVC) before and after 6 hours of exposure to cotton dust on the same day	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
(*c*) silica	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter every 36 months
	(ii) A full size chest x−ray examination	(ii) Pre-placement medical examination under regulation 4 and thereafter every 36 months
5. Occupations involving exposure to excessive noise	(i) An audiometric examination (where the air conduction is abnormal, to include bone conduction testing and auroscopic examination)	(i) Pre-placement medical examination under regulation 4 and thereafter every 12 months
6. Occupations involving work in a compressed air environment	(i) Clinical examination	(i) Pre-placement medical examination under regulation 4 and thereafter — (A) not less than once in every 3 months in respect of working pressures not exceeding one bar (B) not less than once in every one month in respect of working pressures at or exceeding one bar (C) not more than 3 days prior to re−employment in a compressed air environment if an employee has — (CA) not worked in a compressed air environment for more than 14 consecutive days (CB) suffered from a ear, nose, throat or respiratory infection (CC) suffered from any illness or injury necessitating absence from work for more than 3 consecutive days
	(ii) Height, weight and body fat estimation	(ii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iii) An audiometric examination (where the air conduction is abnormal, to include bone conduction testing and auroscopic examination)	(iii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(iv) Test in a lock	(iv) Pre-placement medical examination under regulation 4 only

First column *Nature of occupation*	*Second column* *Types of medical examinations*	*Third column* *Pre-placement and periodic medical examinations*
	(v) A full size chest x-ray examination	(v) Pre-placement medical examination under regulation 4 only
	(vi) Radiographic examination of shoulder, hip and knee joints	(vi) Pre-placement medical examination under regulation 4 in respect of all working pressures and thereafter every 12 months or just before stopping work whichever is earlier in respect of working pressures at or exceeding one bar
	(vii) Electrocardiogram for workers who are 35 years of age and above	(vii) Pre-placement medical examination under regulation 4 and thereafter every 12 months
	(viii) Lung function tests (FEV_1 and FVC)	(viii) Pre-placement medical examination under regulation 4 and thereafter every 12 months

Made this 8th day of September 2011.

LOH KHUM YEAN
Permanent Secretary,
Ministry of Manpower,
Singapore.

[C010-048-00012; AG/LLRD/SL/354A/2010/2 Vol. 1]

(To be presented to Parliament under section 65(8) of the Workplace Safety and Health Act).

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WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A, SECTIONS 27 AND 65)

WORKPLACE SAFETY AND HEALTH (INCIDENT REPORTING) REGULATIONS

Rg 3

G.N. No. S 136/2006

REVISED EDITION 2007

(1st October 2007)

[1st March 2006]

PART I

PRELIMINARY

Citation

1. These Regulations may be cited as the Workplace Safety and Health (Incident Reporting) Regulations.

Application

2. These Regulations shall apply to every workplace.

[S 460/2011 wef 01/09/2011]

Definitions

3. In these Regulations, unless the context otherwise requires —

"accident" means any unintended event which causes bodily injury to a person, but does not include any bodily injury sustained by a person —

(*a*) in the course of commuting to or from his workplace using a mode of transport provided by his employer;

(*b*) as a result of his act or default while driving any vehicle on a public road in the course of his work; or

(*c*) in the course of his work as a domestic worker;

"domestic worker" means any person employed in or in connection with the domestic services of any private premises;

"vehicle" means any vehicle (whether mechanically propelled or otherwise) used for the conveyance of goods or passengers.

PART II

NOTIFICATION AND REPORTING OF DEATHS AND DANGEROUS OCCURRENCES

Duty to notify and report accident leading to death

4.—(1) Where any accident at a workplace occurs which leads to the death of any employee, the employer of that employee shall, as soon as is reasonably practicable, notify the Commissioner of the accident.

(2) Where any accident at a workplace occurs which leads to the death of any person who is not at work or of any self-employed person, the occupier of the workplace shall, as soon as is reasonably practicable, notify the Commissioner of the accident.

(3) The employer or occupier, as the case may be, shall thereafter, but not later than 10 days after the accident, submit a report to the Commissioner.

Duty to notify and report dangerous occurrence

5.—(1) Where any dangerous occurrence occurs at a workplace, the occupier of the workplace shall, as soon as is reasonably practicable, notify the Commissioner of the occurrence.

(2) The occupier shall thereafter, but not later than 10 days after the occurrence, submit a report to the Commissioner.

PART III

REPORTING OF INJURIES AND OCCUPATIONAL DISEASES

Duty to report accident leading to injury

6.—(1) Where an employee meets with an accident at a workplace and he —

(*a*) is granted more than 3 consecutive days of sick leave by a registered medical practitioner for that injury; or

(*b*) is admitted in a hospital for at least 24 hours for observation or treatment,

the employer of that employee shall, not later than 10 days after the accident, submit a report to the Commissioner.

(2) Where an employee meets with an accident at a workplace which is reported under paragraph (1), and subsequently dies as a result of the injury, the employer of that employee shall, as soon as is reasonably practicable, notify the Commissioner of the death.

(3) Where any person who is not at work or any self-employed person meets with an accident at a workplace which requires him to be taken to a hospital for treatment in respect of that injury, the occupier of the workplace shall, as soon as is reasonably practicable, notify the Commissioner of the accident.

Duty to report occupational disease

7.—(1) Where an employee suffers an occupational disease specified in the Second Schedule to the Act at a workplace, and the employer of that employee receives a written statement prepared by a registered medical practitioner diagnosing the occupational disease, the employer shall, not later than 10 days after receipt of the written diagnosis, submit a report to the Commissioner.

[S 460/2011 wef 01/09/2011]

(2) Any registered medical practitioner who diagnoses any employee with an occupational disease specified in the Second Schedule to the Act shall, not later than 10 days after the diagnosis, submit a report to the Commissioner.

[S 460/2011 wef 01/09/2011]

PART IV

MISCELLANEOUS

Duty to keep records

8.—(1) Every employer and every occupier of a workplace shall keep a record of every notification or report made by him under these Regulations.

(2) The employer or occupier, as the case may be, shall keep every record made by him for a period of 3 years from the time of the notification or report, as the case may be.

(3) The employer or occupier, as the case may be, shall furnish the Commissioner with such extracts of his records as the Commissioner may from time to time require.

Form and manner of notification and reporting

9. Any notification or reporting required under regulations 4 to 7 shall be made in such form and manner as set out at the website http://www.mom.gov.sg/iReport.

Offences

10.—(1) Any —

(*a*) employer who contravenes regulation 4(1) or (3), 6(1) or (2), 7(1) or 8;

(*b*) occupier of a workplace who contravenes regulation 4(2) or (3), 5, 6(3) or 8; or

(*c*) registered medical practitioner who contravenes regulation 7(2),

shall be guilty of an offence and shall be liable on conviction —

(i) for a first offence, to a fine not exceeding $5,000; and

(ii) for a second or subsequent offence, to a fine not exceeding $10,000 or to imprisonment for a term not exceeding 6 months or to both.

(2) Any person who knowingly makes any false notification or report to the Commissioner about the occurrence at any workplace of any accident, dangerous occurrence

or occupational disease specified in the Second Schedule to the Act shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000 or to imprisonment for a term not exceeding 6 months or to both.

[G.N. No. S 136/2006]
[S 460/2011 wef 01/09/2011]

LEGISLATIVE HISTORY

WORKPLACE SAFETY AND HEALTH (INCIDENT REPORTING) REGULATIONS (CHAPTER 354A, RG 3)

This Legislative History is provided for the convenience of users of the Workplace Safety and Health (Incident Reporting) Regulations. It is not part of these Regulations.

1. **G. N. No. S 136/2006—Workplace Safety and Health (Incident Reporting) Regulations 2006**

   Date of commencement : 1 March 2006

2. **2007 Revised Edition—Workplace Safety and Health (Incident Reporting) Regulations**

   Date of operation : 1 October 2007

3. **G.N. No. S 460/2011—Workplace Safety and Health (Incident Reporting) (Amendment) Regulations 2011**

   Date of commencement : 1 September 2011

(*b*) be properly maintained;

(*c*) be checked frequently to ensure that it is adequately equipped and that all the items in it are usable;

(*d*) be clearly identified as a first-aid box;

(*e*) be placed in a location that is well-lit and accessible; and

(*f*) be under the charge of a person appointed by the occupier of the workplace.

[S 514/2011 wef 10/09/2011]

(4) Nothing except appliances or requisites for first-aid shall be kept in a first-aid box.

First-aiders

5.—(1) Where more than 25 persons are employed in a workplace, there shall be appointed in the workplace as first-aiders who shall be readily available during working hours such number of persons as complies with the ratio of one first-aider for every 100 persons employed in the workplace or part thereof.

[S 514/2011 wef 10/09/2011]

(2) Every person appointed as a first-aider under paragraph (1) shall —

(*a*) have successfully completed a training course acceptable to the Commissioner; and

[S 514/2011 wef 10/09/2011]

(*b*) undergo such subsequent re-training in first-aid treatment as the Commissioner may require.

(3) Where there is a shift work schedule in a workplace, the ratio of the number of first-aiders available on each shift to the number of persons employed at work on that shift shall comply with the ratio specified in paragraph (1).

[S 514/2011 wef 10/09/2011]

(4) Every first-aider shall maintain a record of all treatment rendered by him.

(5) A notice shall be affixed in every workplace stating the names of the first-aiders appointed under paragraph (1).

First-aid room

6. Unless otherwise permitted by the Commissioner in writing, where there are more than 500 persons at work in a workplace, there shall be provided and maintained a first-aid room of such standard as may be approved by the Commissioner.

First-aid for exposure to toxic or corrosive substances

7.—(1) Where any person in a workplace may be exposed to toxic or corrosive substances, the occupier of the workplace shall make provision for the emergency treatment of the person if so required by the Commissioner.

(2) Where the eyes or body of any person in a workplace may come into contact with toxic or corrosive substances, the occupier of the workplace shall ensure that suitable facilities for quick drenching or flushing of the eyes and body are provided and properly maintained within the work area for emergency use.

Offences

8. Any —

(*a*) occupier of a workplace who fails to ensure that regulation 4, 5(1), (2), (3) or (5), 6 or 7 is complied with in relation to the workplace; or

(*b*) first-aider who contravenes regulation 5(4),

shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000.

FIRST SCHEDULE

[*Deleted by S 514/2011 wef 10/09/2011*]

SECOND SCHEDULE

[*Deleted by S 514/2011 wef 10/09/2011*]

LEGISLATIVE HISTORY

WORKPLACE SAFETY AND HEALTH (FIRST-AID) REGULATIONS
(CHAPTER 354A, RG 4)

This Legislative History is provided for the convenience of users of the Workplace Safety and Health (First-Aid) Regulations. It is not part of these Regulations.

1. G. N. No. S 137/2006—Workplace Safety and Health (First-Aid) Regulations 2006

Date of commencement : 1 March 2006

2. 2007 Revised Edition—Workplace Safety and Health (First-Aid) Regulations

Date of operation : 1 October 2007

3. G.N. No. S 514/2011—Workplace Safety and Health (First-Aid) (Amendment) Regulations 2011

WORKPLACE SAFETY AND HEALTH ACT
(CHAPTER 354A)

WORKPLACE SAFETY AND HEALTH (REGISTRATION OF FACTORIES) REGULATIONS 2008

ARRANGEMENT OF REGULATIONS

Regulation
1. Citation and commencement
2. Definitions
3. Application
4. Register of factories
5. Duty to notify Commissioner of occupation or use of factory not falling within classes of factories described in First Schedule
6. Registration of factories falling within classes of factories described in First Schedule
7. Power to require registration of factory in certain circumstances
8. Change in relation to occupation, use or particulars of factory
9. Revocation and suspension of registration
10. Appeals to Minister
11. Power to waive or refund fees
12. Revocation
13. Savings and transitional provisions

The Schedules

In exercise of the powers conferred by section 65 of the Workplace Safety and Health Act, Mr Gan Kim Yong, Senior Minister of State, charged with the responsibility of the Minister for Manpower, hereby makes the following Regulations:

Citation and commencement

1. These Regulations may be cited as the Workplace Safety and Health (Registration of Factories) Regulations 2008 and shall come into operation on 1st November 2008.

Definitions

2. In these Regulations, unless the context otherwise requires —

"occupier", in relation to a factory in respect of which a notification has been submitted to the Commissioner under regulation 5, means the person who is named in the notification as the occupier of the factory;

"pharmaceutical product", for the purpose of Part II of the First Schedule, means a medicinal product which is a substance used wholly or mainly for the purpose of treating or preventing disease, but does not include —

(*a*) any traditional medicine;

(*b*) any homoeopathic medicine;

(*c*) any quasi-medicinal product;

(*d*) any raw material which is used as an ingredient in the preparation or manufacture of any medicinal product; or

(*e*) any medicated oil or balm;

"registered factory" means any premises which are registered as a factory under regulation 6.

Application

3. These Regulations shall not apply to —

(*a*) any factory in which building operations (other than excavation or piling works) or works of engineering construction are being carried out for a period not exceeding 2 months; and

(*b*) any premises where —

(i) the number of persons at work within the premises is ordinarily less than 10 (whether or not they are all at work at those premises at the same time); and

(ii) none of the following is used or created:

(A) any mechanical power, steam boiler, steam container, steam receiver, air receiver, refrigerating plant pressure receiver or gas plant; and

(B) any highly flammable or noxious substance.

Register of factories

4.—(1) The Commissioner shall cause a register of factories to be kept and maintained in such form as he may determine.

(2) The register of factories shall contain the building names (if any) and addresses of all factories registered under regulation 6 and such other particulars of such registered factories as the Commissioner may determine.

Duty to notify Commissioner of occupation or use of factory not falling within classes of factories described in First Schedule

5.—(1) Any person who desires to occupy or use any premises as a factory not falling within any of the classes of factories described in Part I or II of the First Schedule shall, before the commencement of operation of the factory, submit a notification to the Commissioner informing the Commissioner of his intention to occupy or use those premises as such a factory.

(2) The duty to notify the Commissioner under paragraph (1) shall apply whether the person referred to in that paragraph is the first person to occupy or use the premises as such a factory or is taking over the occupation or use of those premises as such a factory from another person.

(3) The notification referred to in paragraph (1) shall —

(*a*) be submitted to the Commissioner in such form and manner as the Commissioner may require; and

(*b*) be accompanied by such particulars, information, statements and documents as the Commissioner may require.

(4) The occupier of a factory in respect of which a notification has been submitted to the Commissioner under paragraph (1) shall —

(*a*) where any change takes place in any of the particulars of the factory which have been notified to the Commissioner, furnish particulars of the change to the Commissioner in such form and manner as the Commissioner may require, not later than 14 days of the change taking place;

(*b*) if he intends to cease his occupation or use of the factory, notify the Commissioner thereof in such form and manner as the Commissioner may require, not less than 14 days before so ceasing; and

(*c*) where any change is to be made to the type of work carried out in the factory, inform the Commissioner of the proposed change in writing and provide the Commissioner with the relevant documents pertaining to the change and such other information as the Commissioner may require, not less than one month before the change is made.

(5) Any person who contravenes paragraph (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000.

(6) Any person who contravenes paragraph (4)(*a*) or (*b*) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $2,000.

(7) Any person who contravenes paragraph (4)(*c*) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $3,000.

Registration of factories falling within classes of factories described in First Schedule

6.—(1) Any person who desires to occupy or use any premises as a factory falling within any of the classes of factories described in Part I or II of the First Schedule shall apply to register the premises as a factory.

(2) An application under paragraph (1) to register any premises as a factory shall —

(*a*) be in such form and manner as the Commissioner may require;

(*b*) be accompanied by such particulars, information, statements and documents as the Commissioner may require; and

(*c*) be made at least one month before the factory starts operation.

(3) On receipt of an application under paragraph (1), the Commissioner may —

(*a*) register the premises as a factory, subject to such conditions as the Commissioner thinks fit, and enter in the register of factories such other relevant particulars pertaining to the applicant or the factory as the Commissioner thinks fit, and on payment of the fee specified in the Second Schedule, issue to the applicant a certificate of registration subject to such conditions as the Commissioner may think fit to impose; or

(*b*) refuse to register the premises.

(4) Where the Commissioner refuses to register the premises in respect of which an application under paragraph (1) has been made, he shall give the applicant notice in writing of the reasons for his refusal.

(5) A certificate of registration that is issued under paragraph (3)(*a*) in respect of any factory described in Part I of the First Schedule —

(*a*) shall be valid for a period of 5 years, or for such other period as the Commissioner may determine in a particular case, unless it is earlier revoked in accordance with these Regulations; and

(*b*) may, on payment of the appropriate fee specified in the Second Schedule, be renewed by the Commissioner for 5 years or such other period as the Commissioner may determine in a particular case, from the date immediately following that on which, but for its renewal, the certificate of registration would have expired.

(6) A certificate of registration that is issued under paragraph (3)(*a*) in respect of any factory described in Part II of the First Schedule shall remain in force from the date of its issue until such time as it is revoked in accordance with these Regulations.

(6A) A certificate of registration that is issued under paragraph (3)(*a*) in respect of any factory pursuant to an application made by its occupier at the direction of the Commissioner under regulation 7(1)(ii) —

(*a*) shall be valid for a period of one year, or for such other period as the Commissioner may determine in a particular case, unless it is earlier revoked in accordance with these Regulations; and

(*b*) may, on payment of the appropriate fee specified in the Second Schedule, be renewed by the Commissioner for one year or such other period as the Commissioner may determine in a particular case, from the date immediately following that on which, but for its renewal, the certificate of registration would have expired.

(7) Where a certificate of registration is revoked under regulation 9 or expires, the premises to which the certificate of registration relates shall immediately cease to be registered as a factory under these Regulations.

(8) Where a certificate of registration is suspended under regulation 9, the premises to which the certificate of registration relates shall, during the period of suspension, cease to be registered as a factory under these Regulations.

Power to require registration of factory in certain circumstances

7.—(1) Notwithstanding regulation 5 or 6 but subject to paragraph (2), where the Commissioner is satisfied that —

(*a*) any factory in respect of which a notification has been submitted under regulation 5 or any machinery, equipment, plant or article being used therein is in such condition; or

(*b*) any process or work is being carried on in that factory in such a manner,

as to pose or be likely to pose a risk to the safety, health and welfare of persons at work in the factory, the Commissioner may, by notice in writing to the occupier of the factory concerned —

(i) specify a date as from which the notification that has been submitted in respect of that factory under regulation 5 shall cease to be valid; and

(ii) direct the occupier of that factory, within such time as may be specified in the notice, to apply to the Commissioner to register the factory under regulation 6 notwithstanding that the factory does not fall within any of the classes of factories described in Part I or II of the First Schedule.

(2) The Commissioner shall not exercise his powers under paragraph (1)(i) and (ii) unless he has given the occupier of the factory concerned an opportunity to show cause as to why he should not be required to register his factory.

(3) Regulation 6(2)(*a*) and (*b*) and (3) to (8) shall apply to an application to register a factory made pursuant to paragraph (1)(ii).

(4) Where any notification under regulation 5 in respect of a factory ceases to be valid by virtue of paragraph (1)(i) and the occupier of the factory continues to occupy or use that factory when it is not registered pursuant to paragraph (1)(ii), he shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $5,000.

Change in relation to occupation, use or particulars of factory

8.—(1) The occupier of a registered factory shall —

(*a*) where any change takes place in any of the particulars of the registered factory as entered in the register of factories by the Commissioner under regulation 6(3)(*a*), furnish particulars of the change to the Commissioner in such form and manner as the Commissioner may require, not later than 14 days of the change taking place;

(*b*) if he intends to cease his occupation or use of the registered factory, notify the Commissioner thereof in such form and manner as the Commissioner may require, not less than 14 days before so ceasing; and

(*c*) where any change is to be made to the type of work for which the factory is registered, inform the Commissioner of the proposed change in writing and provide the Commissioner with the relevant documents pertaining to the change and such other information as the Commissioner may require, not less than one month before the change is made.

(2) Any person who contravenes paragraph (1)(*a*) or (*b*) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $2,000.

(3) Any person who contravenes paragraph (1)(*c*) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $3,000.

Revocation and suspension of registration

9.—(1) If any registered factory becomes unfit for occupation or use as a factory by reason of —

(*a*) any change in the type of the work for which the factory is registered;

(*b*) any structural change to the premises of the registered factory or any change in the layout of the premises; or

(*c*) any fact or circumstance not present when the factory was registered,

the Commissioner may, by notice in writing, direct the occupier of the registered factory to comply with such requirements as may be specified in the notice.

(2) Where the occupier of the registered factory to whom any notice under paragraph (1) is given fails to comply with the notice, the Commissioner may —

(*a*) suspend the certificate of registration of the factory for such period as he thinks fit; or

(*b*) revoke the certificate of registration of the factory.

(3) Where the Commissioner is satisfied that there has been a contravention of any condition of a certificate of registration, he may —

(*a*) suspend the certificate of registration of the factory for such period as he thinks fit; or

(*b*) revoke the certificate of registration of the factory.

(3A) The Commissioner may —

(*a*) on the application of the occupier of a registered factory; or

(*b*) on being satisfied that the occupier of a registered factory has ceased to occupy the factory,

revoke the certificate of registration of the factory.

(4) The Commissioner shall, before suspending or revoking any certificate of registration of a factory under paragraph (2), (3) or (3A)(*b*), give to the occupier of the registered factory —

(*a*) notice of his intention to suspend or revoke the certificate of registration; and

(*b*) a reasonable opportunity to submit reasons as to why the certificate of registration should not be suspended or revoked.

(5) Where the Commissioner has, pursuant to this regulation, suspended or revoked the certificate of registration of a factory, he shall give notice in writing of the suspension or revocation to the occupier of the factory.

(6) The suspension or revocation of the certificate of registration of a factory under paragraph (2), (3) or (3A)(*b*) shall not take effect until the expiration of 21 days from the date on which the Commissioner's decision to suspend or revoke the certificate of registration was communicated to the occupier of the factory or, where an appeal against the decision is made to the Minister under regulation 10, until the appeal has been determined or withdrawn.

(7) Where the certificate of registration of a factory has been suspended or cancelled, the occupier of the factory shall surrender the certificate of registration to the Commissioner within such time as the Commissioner may specify.

(8) Any person who contravenes paragraph (7) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding $1,000.

(9) The Commissioner may at any time, and for such reason as he considers sufficient, reduce the period for which a certificate of registration has been suspended.

Appeals to Minister

10.—(1) Any applicant who is aggrieved by the Commissioner's refusal —

(*a*) to register any premises as a factory; or

(*b*) to renew the registration of any premises as a factory,

may, within 21 days after the date he is notified of the refusal, appeal in writing to the Minister against the refusal in such form and manner as the Commissioner may determine.

(2) Any occupier of a registered factory who is aggrieved by the Commissioner's decision to suspend or revoke the certificate of registration of that factory under regulation 9(2), (3) or (3A)(*b*) may, within 21 days after the date he is notified of the suspension or revocation, appeal in writing to the Minister against the decision in such form and manner as the Commissioner may determine.

(3) Any occupier of a registered factory who is aggrieved by any direction of the Commissioner under regulation 7(1)(ii) or 9(1) may, within 7 days after the date he receives the notice containing the direction, appeal to the Minister in writing against the direction in such form and manner as the Commissioner may determine.

(4) Where an appeal is lodged under paragraph (1)(*b*), the registration of the factory concerned shall continue to remain in force until the appeal has been determined or withdrawn, as the case may be.

(5) Where an appeal is lodged under paragraph (3), the direction appealed against shall not take effect until the appeal has been determined or withdrawn, as the case may be.

(6) The Minister may determine an appeal under this regulation by confirming the refusal, decision or direction of the Commissioner or substituting that refusal, decision or direction with his decision in the appeal.

(7) The decision of the Minister in any appeal under this regulation shall be final.

Power to waive or refund fees

11. The Commissioner may, as he thinks fit, waive or refund the whole or any part of the fees that are payable or that have been paid under these Regulations.

Revocation

12. The Workplace Safety and Health (Registration of Factories) Regulations (Cap. 354A, Rg 2) are revoked.

Savings and transitional provisions

13. —(1) Notwithstanding the revocation of the Workplace Safety and Health (Registration of Factories) Regulations, the Commissioner may, as he thinks fit, waive or refund the whole or any part of the fees that have been paid under the revoked Regulations.

(2) Notwithstanding the revocation of the Workplace Safety and Health (Registration of Factories) Regulations, any certificate of registration or factory permit issued under the revoked Regulations which is valid immediately before 1st November 2008 shall —

(*a*) if it was issued in respect of a factory not falling within any of the classes of factories described in the First Schedule, be deemed to be a notification made under regulation 5 in respect of that factory; and

(*b*) if it was issued in respect of a factory falling within any of the classes of factories described in the First Schedule —

(i) continue remain in force until the date on which it would have expired if these Regulations had not been made; and

(ii) be deemed to be a certificate of registration issued under regulation 6 in respect of that factory.

(3) Regulation 6(6) of the Regulations in force as from 1st March 2010 shall apply to any certificate of registration which —

(*a*) was issued before that date in respect of a factory falling within the classes of factories described in paragraphs 1, 2, 5(c), 6 and 7 of the First Schedule to those Regulations in force immediately before that date; and

(*b*) remains valid immediately before that date,

as if such certificate of registration had been issued in respect of a factory falling within the classes of factories described in Part II of the First Schedule to those Regulations in force from that date.

FIRST SCHEDULE

Regulations 2, 5(1), 6(1), (5) and (6), 7(1) and 13(2) and Second Schedule

CLASSES OF FACTORIES

PART I

1. Any factory engaged in the processing or manufacture of petroleum, petroleum products, petrochemicals or petrochemical products.

2. Any factory engaged in the manufacture of —

(*a*) fluorine, chlorine, hydrogen fluoride or carbon monoxide; or

(*b*) synthetic polymers.

3. Any premises where the bulk storage of toxic or flammable liquid is carried on by way of trade or for the purpose of gain and which has a storage capacity of 5,000 or more cubic metres for such toxic or flammable liquid.

PART II

1. Any premises where any building operation or works of engineering construction is or are being carried out by way of trade or for purposes of gain, whether or not by or on behalf of the Government or a statutory board, and includes any line or siding (not forming part of a railway) which is used in connection with the building operation or works of engineering construction.

2. Any yard (including any dock, wharf, jetty, quay and the precincts thereof) where the construction, reconstruction, repair, refitting, finishing or breaking up of ships is carried out, including the waters adjacent to any such yard where the construction, reconstruction, repair, refitting, finishing or breaking up of ships is carried out by or on behalf of the occupier of that yard.

3. Any factory engaged in the manufacture of pharmaceutical products or their intermediates.

4. Any factory engaged in the manufacture of semiconductor wafers.

5. Any factory engaged in the manufacture of fabricated metal products, machinery or equipment and in which 100 or more persons are employed.

SECOND SCHEDULE

Regulation 6(3), (5) and (6A)

FEES

1.—(1) The fee for the issue or renewal of a certificate of registration in respect of a factory described in Part I of First Schedule shall be, where the number of persons employed at the factory is —

(*a*) not more than 5	$90 for 5 years
(*b*) more than 5 but not more than 10	$260 for 5 years
(*c*) more than 10 but not more than 50	$540 for 5 years
(*d*) more than 50 but not more than 100	$1,300 for 5 years
(*e*) more than 100 but not more than 500	$1,830 for 5 years
(*f*) more than 500	$2,340 for 5 years.

(2) Where the certificate of registration in respect of factory described in Part I of First Schedule is issued or renewed for a period other than 5 years, the fee payable for such certificate of registration shall be computed on a pro rata basis.

2. The fee for the issue of a certificate of registration in respect of a factory described in paragraph 1 or 2 of Part II of First Schedule shall be, where the persons employed at the factory is —

(i) not more than 5	$90
(ii) more than 5 but not more than 10	$260
(iii) more than 10 but not more than 50	$540
(iv) more than 50 but not more than 100	$1,300
(v) more than 100 but not more than 500	$1,830
(vi) more than 500	$2,340

3. The fee for the issue of a certificate of registration in respect of a factory described in paragraph 3, 4 or 5 of Part II of First Schedule shall be, where the persons employed at the factory is —

(i) not more than 5	$45
(ii) more than 5 but not more than 10	$130
(iii) more than 10 but not more than 50	$270
(iv) more than 50 but not more than 100	$650
(v) more than 100 but not more than 500	$915
(vi) more than 500	$1,170.

4.—(1) The fee for the issue or renewal of a certificate of registration in respect of a factory upon an application made by the occupier of the factory pursuant to the direction of the

Commissioner under regulation 7(1)(ii) shall be, where the number of persons employed at the factory is —

(i)	not more than 5	$45 for one year
(ii)	more than 5 but not more than 10	$130 for one year
(iii)	more than 10 but not more than 50	$270 for one year
(iv)	more than 50 but not more than 100	$650 for one year
(v)	more than 100 but not more than 500	$915 for one year
(vi)	more than 500	$1,170 for one year.

(2) Where a certificate of registration referred to in sub-paragraph (1) is issued or renewed for a period other than one year, the fee payable for such certificate of registration shall be computed on a pro rata basis.

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【별첨 3】

A Guide to the Workplace Safety and Health (Incident Reporting) Regulations

MINISTRY OF MANPOWER

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A Guide to the Workplace Safety and Health (Incident Reporting) Regulations

What is in this section of the Guide?

This section of the Guide provides a brief explanation of the requirements of the Workplace Safety and Health (Incident Reporting) Regulations to assist you in complying with the Regulations.

What is the Workplace Safety and Health (Incident Reporting) Regulations?

The Workplace Safety and Health (Incident Reporting) Regulations specifies the responsibilities of relevant parties to report accidents, dangerous occurrences and occupational diseases at workplaces.

If you are an employer, an occupier or a medical practitioner, your duties include the reporting and keeping of records of accidents, incidents and occupational diseases.

The requirement for reporting is not new for factories as defined under the previous Factories Act. However, this is a new requirement for other workplaces which are not defined as factories.

Why should I report accidents, incidents and occupational diseases that occur in my workplace?

You should do so for three reasons.

- It is a legal requirement and penalties apply for non-compliance.

- The requirement also encourages each workplace employer and occupier to take responsibility for monitoring workplace accidents, dangerous occurrences and occupational diseases and to take steps to prevent them.
- The information enables the Occupational Safety and Health Division (OSHD) of the Ministry of Manpower to identify where the workplace risks are and to channel resources in partnership with the industry so as to reduce workplace injuries and diseases.

Please explain what is meant by workplace accident, dangerous occurrence and occupational disease.

Workplace Accident

A workplace accident is any accident occurring in the course of a person's work.

The following are not classified as workplace accidents:

- any accident which occurs while a person is commuting to and from his workplace;
- any traffic accident on a public road;
- any accident which occurs in the course of work of a domestic worker.

Dangerous Occurrence

A dangerous occurrence is a serious workplace incident which does not involve the death or injury of any person at work.

Annex A provides a list of the dangerous occurrences reportable under the Regulations.

Occupational Disease

A reportable occupational disease includes any of those listed in Annex B.

To whom do the Regulations apply?

The reporting requirements set out in the Regulations apply to every instance of workplace accident, a dangerous occurrence, or occupational disease in any workplace in Singapore.

The reporting requirements **do not** apply to work involving:

- personnel from the Singapore Armed Forces, the Singapore Police Force, the Prisons Service, the Central Narcotics Bureau, the Internal Security Department, the Immigration and Checkpoints Authority and the Singapore Civil Defence Force;
- service or crew personnel on board ships, air-crafts or other international modes of transport.

What, who, when to notify and report?

Please submit all reports to the Commissioner of Workplace Safety and Health.

The table below provides a summary of your obligations to notify and submit a report.

Obligations To Notify And Submit A Report

What To Report	Who Should Report	What You Need To Do
A workplace accident which results in the death of an **employee**	• the employer of the deceased worker	• notify as soon as is reasonably practicable; • submit the report within 10 days of the accident
A workplace accident which results in the injury of an **employee** who is given more than 3 consecutive days of medical leave or hospitalized for at least 24 hours	• the employer of the injured person	• submit the report within 10 days of the accident
A workplace accident which involves **a self-employed person or member of public** and results in his or her death or treatment in hospital for the injury	• the occupier of the workplace	• notify as soon as is reasonably practicable; • submit the report within 10 days of the accident
A dangerous occurrence	• the occupier of the workplace	• notify as soon as is reasonably practicable; • submit the report within 10 days of the accident
An occupational disease	• the employer of the person with the disease, and • the doctor who diagnosed the disease	• employer - submit the report within 10 days of receipt of the written diagnosis • doctor - submit the report within 10 days of the diagnosis
A subsequent death of an employee as a result of an injury at the workplace	• the employer	• notify as soon as is reasonably practicable

For examples of the types of workplace incidents which are reportable, please see Annex C.

How do I notify or make a report?

Accidents And Incidents Which Require Notification As Soon As Is Reasonably Practicable

Notify the Commissioner of Workplace Safety and Health as soon as is reasonably practicable, by telephone or fax:

Telephone : 6317 1111

Fax : 6324 7572

Your notification should include the following information:

- the date and time of the accident/ incident;
- the place of the accident/ incident;
- the name and identification number of the deceased/ injured, if any;
- the name of the employer and occupier;
- brief description of the accident/ incident;
- nature and severity of injury;
- your name and contact details.

All Cases

Submit the report to the Commissioner for all cases within 10 days using the iReport system on the Internet at the following web address:

http://www.mom.gov.sg/iReport

Please refer to the user guide on the iReport at the same web address to find out how to use the system.

You will need the following information to submit your report using iReport:

- particulars of the incident, including what happened, where it happened, and how it happened;

- particulars of the injured or deceased (if applicable);
- particulars of the employer, including the employer's name, organisation identification number such as factory number or ACRA number, and contact details;
- particulars of the occupier of the incident premises including the occupier's name, and organisation identification number such as factory number or ACRA number.

How should I keep records?

If you are an employer or occupier, you are required to keep a record of any notification or report made under these Regulations.

Each record must be kept at your place of business for a period of at least 3 years from the time of report.

Is a separate report required under the Workmen's Compensation Act if a report under the Workplace Safety and Health (Incident Reporting) Regulations has been made through iReport?

The reporting of any incident under the Workplace Safety and Health (Incident Reporting) Regulations and/or under the Workmen's Compensation Act should be made through iReport from 1 Mar 2006. The 9th Schedule (for reporting under the previous Factories Act) and Form A (for reporting under the Workmen's Compensation Act) are no longer valid and should not be used. You will be prompted to indicate in iReport whether you are reporting under the Workplace Safety and Health (Incident Reporting) Regulations, the Workmen's Compensation Act, or both. You only need to submit a single report through iReport when reporting an incident under both Acts.

What are the penalties for not following requirements under the Regulations?

As an employer or occupier, if you fail to make a report as required under the Regulations, you will be liable to:

- a fine of up to $5,000 for a first offence,
- a fine of up to $10,000, or a jail term of not more than 6 months, or both for the second and subsequent offence.

On the other hand, if you make a false notification or report of any workplace accident, dangerous occurrence or occupational disease to the Commissioner, you will also be liable to a fine of up to $5,000, or a jail term of not more than 6 months, or both.

Where can I obtain further information?

Further information can be obtained from the following sources:

Web-site : http://www.mom.gov.sg/oshd

Email : mom_oshd@mom.gov.sg

Telephone : +65 64385122

Mailing Address : Occupational Safety and Health Division
Ministry of Manpower
18 Havelock Road #03-02
Singapore 059764

You can also obtain the latest occupational safety and health information by subscribing to the OSH Alert. Access the web-site address provided above for more details.

Annex A

Dangerous Occurrences Reportable Under the Workplace Safety and Health (Incident Reporting) Regulations

Explosion or Fire

a. Explosion or fire in a room or place in which persons are at work, and which results in damage to the structure of the site, or to any machinery or plant there.

   The explosion or fire must have been due to the ignition of dust, gas or vapour, or the ignition of any substance made of or containing celluloid. The incident must have also resulted in the complete suspension of ordinary work at the site or stoppage of machinery or plant for at least 5 hours.

b. Electrical short circuit or failure of electrical machinery, plant or apparatus, which results in an explosion, fire or structural damage, and involves its stoppage or disuse for at least 5 hours.

c. Explosion or fire affecting any site in which persons are at work and causing complete suspension of ordinary work in the site for at least 24 hours.

Collapse of Structures or Equipment

a. Failure or collapse of formwork or its supports.

b. Whole or partial collapse of a scaffold exceeding 15 metres in height, or a suspended or hanging scaffold from which any person may fall more than 2 metres.

c. Collapse or failure of lifting equipment
Lifting equipment refers to a crane, derrick, winch, hoist, piling frame or any appliance used in raising or lowering persons or goods. The collapse or failure of any load-bearing part of lifting equipment, except the breakage of the chain or rope slings, is also considered to be a dangerous occurrence. In the case of a crane, a dangerous occurrence includes instances in which it is overturned.

Machinery Damage

a. Bursting of a revolving vessel, wheel, grindstone or grinding wheel moved by mechanical power.

b. Explosion or failure of the structure of a steam boiler, receiver or container used for the storage at a pressure greater than atmospheric pressure of any gas or gases (including air) or any liquid or solid resulting from the compression of gas.

Flooding

Accidental seepage or entry of seawater into a dry dock or floating dock causing flooding of the dry dock or floating dock.

Annex B

Occupational Diseases Reportable Under the Workplace Safety and Health (Incident Reporting) Regulations

1. Aniline poisoning
2. Anthrax
3. Arsenical poisoning
4. Asbestosis
5. Barotrauma
6. Beryllium poisoning
7. Byssinosis
8. Cadmium poisoning
9. Carbamate poisoning
10. Carbon bisulphide poisoning
11. Chrome ulceration
12. Chronic benzene poisoning
13. Compressed air illness
14. Cyanide poisoning
15. Epitheliomatous ulceration (due to tar, pitch, bitumen, mineral oil or paraffin or any compound, product or residue of any such substance)
16. Hydrogen sulphide poisoning
17. Occupational skin diseases
18. Lead poisoning
19. Liver angiosarcoma

20. Manganese poisoning
21. Mercurial poisoning
22. Mesothelioma
23. Noise-induced deafness
24. Occupational asthma
25. Organophosphate poisoning
26. Phosphorous poisoning
27. Poisoning from halogen derivatives of hydrocarbon compounds
28. Repetitive strain disorder of the upper limb
29. Silicosis
30. Toxic anaemia
31. Toxic hepatitis

Annex C

Examples of Reportable Accidents or Incidents

S/ No	Case Description	Reportable[1]?	Who Should Report?	He Should...
1.	A construction worker slips and falls, resulting in a fractured leg. He is subsequently given 2 weeks of medical leave.	Yes	The employer of the construction worker	• Complete and submit the report within 10 days of the accident to the Commissioner of Workplace Safety and Health.
2.	A mobile crane used at a work-site topples but causes no injuries.	Yes	The occupier of the work-site	• Notify the Commissioner of Workplace Safety and Health as soon as is reasonably practicable. • Complete and submit the report within 10 days of the incident to the Commissioner.

S/ No	Case Description	Reportable[1]?	Who Should Report?	He Should...
3.	A student on industrial attachment gets injured and is subsequently given 5 days of medical leave.	Yes	The employer of the student	• Complete and submit the report within 10 days of the accident to the Commissioner.
4.	Debris from a building under construction falls from the top floor and kills a passerby.	Yes	The occupier of the construction work-site	• Notify the Commissioner of Workplace Safety and Health as soon as is reasonably practicable. • Complete and submit the report within 10 days of the accident to the Commissioner.
5.	A self-employed person injures himself at work and requires one week of medical leave.	Yes	The occupier of the workplace	• Notify the Commissioner of Workplace Safety and Health as soon as is reasonably practicable; • Complete and submit the report within 10 days of the accident to the Commissioner
6.	A patient dies as a result of inappropriate treatment at a hospital.	No	N.A.	N.A.

S/ No	Case Description	Reportable[1]?	Who Should Report?	He Should...
7.	A member of the public slips and trips while on an escalator in an office building due to a malfunction of the escalator.	No	N.A.	N.A.
8.	A bus driver gets injured in a road traffic accident while driving a bus and is given 1 week of medical leave.	No	N.A.	N.A.
9.	A kitchen worker cuts his finger while shredding meat. He is subsequently given 2 days of medical leave.	No	N.A.	N.A.

[1] Please note that the examples given here refer only to reportability under the Workplace Safety and Health (Incident Reporting) Regulations. Some cases, such as cases #8 and #9 may be reportable under the Workmen's Compensation Act if the injured is a workman as defined in the Workmen's Compensation Act.

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NOTES

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Guide to the Workplace Safety and Health (Workplace Safety and Health Officers) Regulations 2007

Introduction

1. The Workplace Safety and Health (Workplace Safety and Health Officers) Regulations 2007 replaced the three Factories subsidiary legislations[1] governing the WSH Officers. In line with the main Workplace Safety and Health Act, this new Regulations shift away from the prescriptive approach and instead adopted a more performance-based style of legislation. This is in line with the principle of giving industry greater ownership of safety and health outcomes at the workplace.

2. This guide is intended to provide more detailed explanation on the provisions in the Regulations so as to allow industry stakeholders to better understand the Regulations.

Becoming a Workplace Safety and Health Officer

3. Under section 32 of the Workplace Safety and Health Act, no person shall act as a Workplace Safety and Health Officer unless he is approved by the Commissioner for Workplace Safety and Health. A person thus has to apply to the Commissioner for approval to become a WSH Officer (Application for registration can be done via OSHD Online at http://www.mom.gov.sg/publish/momportal/en/communities/workplace_safety_and_health.html). Upon approval and payment of $110 (see Reg 4(1) and First Schedule), the Commissioner will issue the applicant with a Certificate of Approval.

4. The Certificate of Approval is valid for 2 years (unless otherwise stated). Upon expiry of the certificate, the WSH Officer is expected to renew his certificate if he intends to continue practicing as a WSH Officer. He must make his application to the Commissioner and pay a fee of $60 for the renewal of his Certificate of Approval.

Pre-requisite of a Workplace Safety and Health Officer

5. Under the previous Factories (Qualifications and Training of Safety Officers) Notification, the qualifications of any person who wishes to become a WSH Officer were prescribed in the law. However in this new Regulations, a more generic approach had been

> ***"A person may be granted approval to act as a workplace safety and health officer if he satisfies the Commissioner that he is sufficiently competent and is, in all other respects, a fit and proper person, to be entrusted to carry out the work of a workplace safety and health officer."***
>
> ***– WSH Officers Regulation 3***

[1] Factories (Qualifications and Training of Safety Officers) Notification, the Factories (Registration and Duties of Safety Officers) Regulations and the Factories (Safety Officers) Order.

adopted where the candidate must demonstrate to the satisfaction of the Commissioner that he is "sufficiently competent and is, in all other respects, a fit and proper person, to be entrusted to carry out the work of a workplace safety and health officer" before approval is granted.

What is meant by "sufficiently competent"?

6. The competency of the WSH Officer is critical as he plays a vital role in helping his employer manage workplace safety and health. As such, any person who wishes to become a WSH Officer must : -

a) possess at least a degree or diploma in engineering, occupational safety, occupational health, occupational hygiene, ergonomics, psychology, physics, chemistry, biochemistry or other topics relevant to occupational safety and health; and

b) have successfully completed a course in relation to WSH Officer (i.e. Safety Officer Training Course); and

c) possess at least 2 years of practical work experience in the field of occupational safety and health, e.g. working under the guidance of a WSH Officer.

7. Any person who does not have the relevant degree or diploma as mentioned in paragraph 5(a) but has attained the WSQ equivalent or satisfies the Commissioner that he has such qualifications and practical work experience as to be suitable for registration may also be considered for approval to be a WSH Officer.

What is meant by "fit and proper"?

8. Besides possessing the relevant training and experience, the WSH Officer must also demonstrate other important attributes so that he can be entrusted with the duties imposed on him. Such attributes include : -

a) Being physically fit. A WSH Officer must not be so physically handicapped as to render him unable to discharge his duties. For instance, a WSH Officer in a worksite needs to be sufficiently fit to climb several flights of stairs in order to conduct rounds of inspections.

b) Being mentally fit. A WSHO should be in a stable mental state so as to be able to exercise sound judgment to identify safety and health risks, and recommend relevant control measures. Additionally, the WSHO should not be under the influence of drugs or alcohol while on duty as it would adversely affect his judgment.

c) Over and above that, the WSHO should be someone with integrity and of good character. A corrupt WSH Officer could significantly undermine the trust and integrity of the entire profession.

Continuous Training and Development for Workplace Safety and Health Officers

> ***"The Commissioner may require a workplace safety and health officer to attend training courses which, in the opinion of the Commissioner, are relevant to the work of a workplace safety and health officer."***
>
> ***– WSH Officers Regulation 5(1)***

9. It is imperative that practicing WSH Officers continue to keep themselves updated and relevant in the field of workplace safety and health. This is the broad intention behind regulation 5 which provides the Commissioner the power to require the WSH Officers to attend training courses. In practice, this is manifested through the Safety Professional Units (SDU) scheme where WSH Officers can accumulate SDU points after attending seminars, conferences or workshops on relevant (safety and health) topics in order to qualify for renewal of their certificate.

Duties of Workplace Safety and Health Officers

10. The primary responsibility of ensuring workers' safety and health lies with the occupier or employer as enshrined in the main WSH Act. The primary role of the WSH Officer is to **assist** their employers to discharge their statutory duties, particularly in the area of identification of workplace safety and health risks and in recommending control measures. Hence, the duties of the WSH Officers have been revamped to focus on this aspect of risk management rather than functional duties such as acting as secretary to the safety and health committee. It is to be noted that the revamped duties should not be construed as a delegation of responsibility from the occupier / employer to the WSH Officers.

11. The phrase "to assist" used in regulation 7 could refer to advice, suggestions, or conducting the risk assessment as instructed by the occupier. It could also include training other employees on risks assessment or the control measures. The WSH Officer is expected to exercise due diligence in the assessment of risks and recommendation of appropriate control measures particularly for blatant safety and health risks. While the WSH Officers can assist in the implementation of the control measures, the occupier ought to provide him with the corresponding authority and resources for him to carry out his work properly.

Workplaces that are required to appoint a Workplace Safety and Health Officer

12. Under the Second Schedule of the Regulations, the following workplaces are required to appoint a Workplace Safety and Health Officer : -

a) Shipyards in which any ships, tankers and other vessels are constructed, reconstructed, repaired, refitted, finished or broken up;

b) Factories used for processing petroleum or petroleum products;

c) Factories in which building operations or works of engineering construction of a contract sum of $10 million or more are carried out; and

d) Any other factories in which 100 or more persons are employed, except those which are used for manufacturing garments.

13. Previously under the Factories (Safety Officers) Order, the above workplaces were required to appoint either a part-time or full-time WSH Officers, but this distinction has been removed in the new Regulations. The workplaces listed above can decide on the extent of appointment (i.e. either part time or full time) based on their operational needs. This is in line with the performance-based regime to engender greater industry ownership. Under the new framework, companies are expected to evaluate their workplace safety and health risks and decide for themselves the best measures to control those risks. This includes going even beyond the minimum legislative requirement to appoint more than one WSH Officer to assist in managing the risks. This is especially pertinent for larger workplaces.

14. In addition, besides the approval from the Commissioner, occupiers or employers are also strongly encourage to appoint WSH Officers with the relevant experience for the job so as to add value to the organisation. Occupiers or employers should take into consideration factors such as the relevancy of previous training, as well as the extent of the candidate's familiarity and experience to the intended scope of work (e.g. deep excavation or heavy lifting).

Concluding Remarks

15. WSH Officers play a vital role in helping to raise the overall WSH standard and performance of industry. However, it must be recognised that ensuring workplace safety and health is not the sole responsibility of the WSH Officer. In order to have a safe and healthy workplace, all stakeholders in the value chain must contribute towards the goal of protecting themselves and others.

Prepared jointly by:
MOM, WSHAC, SCAL, ASMI and SISO

A Guide to the Workplace Safety and Health Act

MINISTRY OF MANPOWER

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Foreword

This booklet is a guide to the Workplace Safety and Health Act that takes effect on 1 March 2006.

Everyone has an obligation to ensure workplace safety. Getting every worker home safely at the end of the day does not only depend on the effort of one individual, but is the result of all stakeholders working together.

In its on-going endeavour to create a safer workplace, the Government has announced key reforms to improve Singapore's occupational safety and health standards. A new framework has been developed aimed at reducing deaths at workplaces by a third in five years, and by half within a decade or sooner. The Workplace Safety and Health Act is an integral part of this new framework to ensure the wellbeing of every worker.

Introduction

What is in this booklet?

This booklet is a brief guide to the Workplace Safety and Health Act.

In it you will find:

- the main features of the Act,
- how the Act affects the various stakeholders.

What is the Workplace Safety and Health Act?

The Workplace Safety and Health Act is an essential part of a new framework to cultivate good safety habits and practices in all individuals at the workplace – from top management to the last worker. It requires every person at the workplace to take reasonably practicable steps to ensure the safety and health of every workplace and worker.

What is the new framework for occupational safety and health?

In March 2005, the Government announced key reforms to improve Singapore's occupational safety and health (OSH) standards. These reforms are based on the premise that accidents can only be prevented if all involved in the workplace take personal responsibility for achieving higher safety standards.

Thus, a new framework was developed aimed at reducing deaths at workplaces by a third in five years, and by half

within a decade or sooner (from 4.9 fatalities per 100,000 workers in 2004 to 2.5 by 2015).

The 3 principles of the new framework are.

- Reducing risk at source by requiring all stakeholders to eliminate or minimise the risks they create at the workplace;
- Instilling greater industry ownership of OSH standards. The focus will be shifted from complying with prescriptive requirements to making employers responsible for developing safe work procedures suited to their particular situations in order to achieve desired safety outcomes;
- Preventing accidents through higher penalties for poor safety and health management.

What are the key changes of this new Act?

The following are the key changes introduced in the Workplace Safety and Health Act.

- It specifies liabilities for a range of persons at the workplace instead of focusing on the occupier.
- It focuses on effective management of workplace safety and health to achieve a safe outcome instead of prescribing rules.
- It stipulates greater penalties for compromising safety and health.

When does this Act take effect?

This Act replaces the Factories Act with effect from **1 March 2006.**

Coverage of the Act

To which industries and workers will the Workplace Safety and Health Act apply?

From 1 March 2006, the Workplace Safety and Health Act will continue to cover the high-risk industries previously covered under the Factories Act, i.e. factories, shipyards and construction worksites. The list of workplaces subjected to the Act can be found in Annex A.

Eventually, this Act will be expanded to protect workers in workplaces in all sectors. However, the expansion of coverage will be carried out in phases, and the timing will be decided in consultation with industry partners.

Definition of Terms

What is a workplace?

A **workplace** includes any premises where people carry out work.

What is a factory?

A **factory** is any premises in which any of the following is carried out:

- the making of any article or part of any article;
- the altering, repairing, ornamenting, finishing, cleaning or washing of any article;
- the breaking up or demolition of any article;
- the adapting for sale of any article.

Examples of factories include a manufacturing plant, a car-servicing workshop, a shipyard and a construction work-site.

Please note: A full listing of the premises considered to be factories is provided in Annex B of this guide.

Who is a stakeholder?

A **stakeholder** is any person or party who is affected by the Workplace Safety and Health Act.

What does the term 'reasonably practicable' mean?

The term 'reasonably practicable' means that the degree of risk in a particular situation can be balanced against the time, trouble, cost and physical difficulty of taking measures to avoid the risk.

An action is considered to be **practicable** when it is capable of being done.

Whether it is also **reasonable** usually takes into account:

- the severity of any injury or harm to health that may occur;
- the degree of risk (or likelihood) of that injury or harm occurring;
- how much is known about the hazard and the ways of eliminating, reducing or controlling it;
- the availability, suitability and cost of the safeguards.

The risk and severity of injury needs to be weighed against the overall feasibility of the safeguards needed to remove the risk. The greater the risk, the more likely it is to be reasonable to go to very considerable expense and effort to reduce it.

The cost of putting safeguards in place needs to be measured against the consequences of failing to do so. The judgement is an objective one. Whether the employer can afford to put the necessary safeguards in place is not a consideration, particularly where there is risk of serious injury, or frequent but less severe injury.

Common practice and knowledge throughout the relevant industry are sometimes taken into account when judging whether a safeguard is "reasonably practicable". Individual employers cannot claim that they do not know what to do about certain hazards if those hazards are widely known by others in the same industry, and safeguards are in place elsewhere.

Good reference guides on what safety and health measures are reasonably practicable include the following:

- Singapore Codes of Practice[1]
- OSH standards guidelines published by the Workplace Safety and Health Advisory Committee

[1] Singapore Codes of Practice can be purchased from SPRING Singapore.

Understanding and Meeting Your Obligations at The Workplace

Who has obligations to fulfil under the Workplace Safety and Health Act?

In general, persons who have duties and responsibilities under the Act are listed below.

Employer

Any person who employs another person to perform work under a contract of service.

Principal

Any person who engages another person or organization to supply labour or perform work under some arrangement other than a contract of service.

Occupier

In workplaces registered as a factory, the occupier is the person who is the holder of the certificate of registration or factory permit.

In all other workplaces, the occupier is the person who has control of the premises regardless of whether he is the owner of those premises.

Contractor

Any person engaged by another person or organization under a contract for service for the supply of labour or conduct of work at the workplace.

Manufacturer Or Supplier

Any person who manufactures or supplies machinery, equipment or hazardous substances used at work in the workplace.

Erector Or Installer

Any person who installs or erects machinery, equipment, the building itself or any item for use in the workplace.

Worker

Any person at work, including an employee, i.e. one employed under a contract of service, volunteer or any other person training or working under the employer such as an industrial attachment student.

Self-Employed Person

Any person who works but is not under a contract of service.

What are the obligations of the various stakeholders under the Act?

Based on the domains over which the various stakeholders have control, the Workplace Safety and Health Act aims to define areas to which they should pay attention in ensuring workplace safety. It is possible for a person to have multiple obligations. For instance, a person can be an occupier, an employer and a principal at the same time in the same workplace.

If You Are An Employer Or Principal

You must, as far as reasonably practicable, protect the safety and health of your employees or workers working under your direct control and all who may be affected by their work.

This includes:

- conducting risk assessments to remove or control risks to workers at the workplace;
- maintaining safe work facilities and arrangements for the workers at work;
- ensuring safety in machinery, equipment, plant, articles, substances and work processes at the workplace;
- developing and putting into practice control measures for dealing with emergencies;
- providing workers with adequate instruction, information, training and supervision.

If You Are An Occupier

You must, as far as reasonably practicable, ensure the following are safe and without risks to the health of any person within those premises, even if the person is not one of your employees.

- the workplace;
- all entrances to or exits from the workplace;
- any machinery, equipment, plant, article or substance kept on the workplace.

As an occupier, you may also be responsible for the common areas used by your employees and contractors. In particular, the following items, if they are used by persons working at your workplace, are your responsibility.

- electric generators and motors located in the common area;
- hoists and lifts, lifting gear, lifting appliances and lifting machines located in the common area;
- means of entry to or exit from the common area;
- any machinery or plant located in the common area.

If You Are A Manufacturer Or Supplier

You must ensure that any machinery, equipment or substances you provide are safe for use. Hence, you are required to:

- provide proper information on the safe use of the machinery, equipment or hazardous substance;
- ensure that the machinery, equipment or hazardous substance is safe for use;
- ensure that the machinery, equipment or hazardous substance has been tested and examined so that it is safe for use.

Please Note: A list of the machinery, equipment and substances to which this requirement is applicable is provided in Annex C and D.

If You Are An Installer Or Erector Of Machinery

You must ensure, as far as reasonably practicable, the machinery or equipment erected, installed or modified is safe and without health risks when properly used.

Please Note: A list of the machinery, equipment and substances to which this requirement is applicable is provided in Annex C.

If You Are An Employed Worker

- You must adhere to safe working procedures and principles introduced at the workplace.
- You should not endanger yourself or others working around you through unsafe behaviour.
- You should not tamper with any safety device or undertake any wilful or reckless acts.
- You should also always correctly use any personal protective equipment provided at work.

If You Are A Self-Employed Person

As a self-employed person, you are still required to take measures, as far as reasonably practicable, to ensure the safety and health of others such as members of the public.

Everyone has an obligation to ensure workplace safety. Getting every worker home safely at the end of the day does not only depend on the effort of one individual, but is the result of all stakeholders working together.

The Enforcement Framework of the Workplace Safety And Health Act

Who is in charge of administering the Workplace Safety and Health Act?

The Commissioner for Workplace Safety and Health, assisted by Deputy Commissioners and appointed inspectors, ensures that workplaces comply with safety and health regulations.

What are some of the enforcement measures to ensure compliance with the Act?

The following are some measures that may be used to ensure compliance.

Workplace Inspections

Inspectors are empowered to enter, inspect and examine any workplace at any time to ensure workplace safety. In order to do so, an inspector may:

- inspect, examine and make copies of any workplace documents;
- take samples of any material or substance found in, or being discharged from, any workplace for the purpose of analysis or test;
- take photographs or video recordings to record the conditions and the processes carried out in the workplace;

- take into custody any article in the workplace which is required for the purpose of an investigation or inquiry under the Act.

Investigations Into A Workplace Accident Or Incident

The Commissioner may order an investigation into any workplace accident or incident. In the course of investigations, the inspector may inspect the accident scene and workplace. The inspector may also interview and record statements of persons about the accident or incident. These persons are bound to state the truth and assist in the investigations.

Suspension Of Certificates

When necessary, the Commissioner may suspend any certificate. Examples of certificates issued under the Act include Certificates of Factory Registration and certificates issued to authorised examiners.

Remedial Orders And Stop Work Orders

The Commissioner may issue a Remedial Order to require an employer or occupier or any other person to remove any workplace risk or to comply with a safe work practice whether or not there is any immediate danger. This will be the primary tool that the Commissioner will use to require employers to improve their management of safety and health and the quality of risk assessment.

The Commissioner may issue a Stop Work Order to require the specified work to cease until measures have been taken to ensure that the work can be carried out safely. A Stop Work Order will be used in instances where severe lapses in safety and health conditions may cause immediate danger to the workers.

Failure to comply with either a Remedial Order or Stop Work Order is considered an offence.

Composition Fines

Composition fines are offered for offences at the Commissioner's discretion. Offences may be compounded to a sum not more than half the maximum fine prescribed for the offence or $5,000, whichever is lower. Prosecution action may be taken if payment is not received within a specified period.

Prosecution

The Commissioner may prosecute any offender for violation under the Act. If you are charged with an offence under the Act, it is your duty to show to the courts that:

- you complied with the Act and/or its relevant subsidiary legislation;
- or you complied with the relevant approved code of practice or guidelines;
- or you took reasonable precautions and exercised due diligence where there was no specific legislation or guidelines;
- or the offence was due to causes beyond your control, i.e. it was not reasonably practicable to prevent the contravention or accident.

Liabilities and Penalties

What are the penalties for failing to comply with the Workplace Safety and Health Act?

The Workplace Safety and Health Act states a general maximum penalty for offences. The penalties are shown in the tables below.

General Penalties For Offences For Which No Penalty Is Prescribed Under The Act

Category of offender	Maximum fine	Maximum imprisonment	Conditions
Individual persons	$200,000	2 years	Either or both
Corporate body	$500,000		
Workers For failure to use personal protective equipment or misuse of any safety appliance.	a) 1st conviction - $1,000 b) 2nd or subsequent conviction - $2,000		
Repeat offenders For a 2nd or subsequent conviction for the same offences that causes the death of another person. a. Individual b. Corporate body	 $400,000 $1 million	 2 years	 Either or both

Failure To Comply With Remedial Order Or Stop Work Order

Category of offender	Maximum fine	Maximum imprisonment	Conditions
Person who fails to comply with a Remedial Order If offence is continued after conviction	$50,000 Additional fine of $5,000 for each day the offence continues	12 months	Either or both
Person who fails to comply with a Stop Work Order If the offence is continued after conviction	$500,000 $20,000 for each day the offence continues	12 months	Either or both

Subsidiary Legislations Under the Workplace Safety and Health Act

Is there any other legislation under the Workplace Safety and Health Act to which I may need to refer?

Listed below are some of the new subsidiary legislation that have been made to enhance understanding or specify requirements under the Act.

- The Workplace Safety and Health (General Provisions) Regulations
- The Workplace Safety and Health (Incident Reporting) Regulations
- The Workplace Safety and Health (Registration of Factories) Regulations
- The Workplace Safety and Health (First-Aid) Regulations
- The Workplace Safety and Health (Risk Management) Regulations
- The Workplace Safety and Health (Exemption) Order
- The Workplace Safety and Health (Composition of Offences) Regulations

Over the next 2-3 years, all other subsidiary legislations made under the Factories Act will be reviewed and updated to be in line with the Workplace Safety and Health Act.

OSH Standards Consultation and Training

Where can I get assistance in order to discharge my duties under the Act?

A number of safety and health professionals have been approved or accredited to assist with ensuring workplace safety. They include workplace safety and health officers, workplace safety and health auditors, authorised examiners and accredited training providers.

Requirements on the engagement of safety and health officers and auditors are stipulated in the subsidiary legislation.

The full list of approved or accredited personnel and organizations is available on the Ministry of Manpower website at www.mom.gov.sg.

Transition Period

What is the status of appointed persons and documentation issued or approved under the Factories Act?

Any person appointed, and any documents, certificates or permits issued or approved under the Factories Act will continue to be valid (until its expiry) under the Workplace Safety and Health Act during the transition between the two pieces of legislation.

Examples of such persons or documents include:

- safety officers,
- safety auditors,
- authorized boiler inspectors,
- approved persons,
- designated factory doctors,
- certificates of factory registration,
- safety committees and inspection reports.

Subsidiary legislation made under the Factories Act will also remain in force.

Further Information

For more information, please contact us at:

Email : MOM_OSHD@mom.gov.sg
Telephone : +65 64385122
Fax : +65 63171261
Website : http://www.mom.gov.sg/oshd

You may also obtain the latest occupational safety and health information by subscribing to the OSH Alert at the following website:

http://oshalert.mom.gov.sg

Copies of the new Act and other subsidiary legislations can be purchased from:

SNP Corporation (Legal) Ltd
Legal Publications Retail Outlet
1 Kim Seng Promenade #18-01/06
Great World City East Tower
Singapore 237994
Tel: +65 68269691
Website: http://www.snpcorp.com/webshop

To report any unsafe workplaces or practices

Hotline : +65 63171111

Website : http://www.mom.gov.sg/oshd

Mailing Address : Occupational Safety and Health Division
Ministry of Manpower
18 Havelock Road #03-02
Singapore 059764

Annex A

Workplaces Subject To The Workplace Safety And Health Act

a. Any premises which is a factory.

b. Any premises within an airport where any checking, inspecting, cleaning, loading, unloading or refueling of an aircraft is carried out by persons other than the crew of aircraft.

c. Any ship in a harbour where the following is carried out:

- scaling, scurfing, or cleaning of boilers, including combustion chambers or smoke boxes, in the ship;
- cleaning of any tanks, bilges or holds in the ship;
- construction, reconstruction, repair, fitting, furnishing or breaking up.

d. Any dock, wharf or quay where loading, unloading or bunkering of a ship is carried out by persons other than the crew of the ship.

e. Any premises delineated as a railway area under the Rapid Transit Systems Act (Cap. 263A) and where any inspection, testing or maintenance of any railway is carried out.

f. Any premises, other than domestic premises, in which a steam boiler, steam receiver or air receiver is used.

g. Any laboratory or other premises where the testing, examination or analysis of any article is carried out.

Annex B

Premises Considered To Be Factories

The following premises within which persons are employed are considered to be factories.

Heavy Industries

a. Any yard, including any dock, wharf, jetty, quay and the area within its boundaries, where the construction, reconstruction, repair, refitting, finishing or breaking up of ships is carried out. This includes the waters next to any such yard where similar shipbuilding activities are carried out by the occupier of that yard or by others on his behalf.

b. Any premises where the construction, reconstruction or repair of locomotives, aircraft, vehicles or other plant used for transport is carried on as a part of a transport undertaking or other industrial or commercial undertaking. These premises are not used for the purpose of housing locomotives, aircraft or vehicles where only cleaning, washing, running repairs or minor adjustments are carried out.

c. Any premises where building operations or any work of engineering construction are carried on.

Light Industries

a. Any premises in which the business of hooking, plaiting, lapping, making up or packing of yarn or cloth is carried out.

b. Any premises where the making, adaptation or repair of dresses, scenery or props is carried on as part of the production of films, tapes or discs for public broadcast or screening or to the presentation of theatrical performances for trade or gain. These premises are not a stage or dressing-room of a theatre in which only occasional adaptations or repairs are made.

c. Any premises where the business of making or mending nets is carried on as part of the fishing industry.

d. Any premises where the production of cinematograph films is carried on for trade or gain. These premises are not a stage or a dressing-room of any actor connected with the production of any cinematograph film.

e. Any premises where the printing by letter press, offset, lithography, photogravure, rotogravure, or other similar process, or the binding of such printed materials is carried on for trade or gain or as part of another business.

Ancillary Industries

a. Any premises where the sorting of articles is carried on before the actual work is carried out in any other factory whether that other factory is situated within or outside Singapore.

b. Any premises where the washing or filling of bottles or containers or packing of articles is carried on in connection with the work of any other factory, whether that other factory is situated within or outside Singapore.

c. Any laundry as a part of another business or in connection with any public institution.

d. Any premises where articles are made or prepared as part of any building operations or any works of engineering construction.

Storage facilities

a. Any premises which are used for the storage of gas, including liquefied gas, in a container having a storage capacity of not less than 140 cubic metres.

b. Any premises which are used for the bulk storage of toxic or flammable liquid in a container, excluding liquefied gas, that is not an underground container and that has a storage capacity of not less than 5,000 cubic metres.

Utilities

a. Any premises where work is carried out for generating electrical energy or in connection with the supply of electrical energy for trade or gain.

b. Any premises where mechanical power is used for supplying water or in connection with a water supply.

c. Any sewage works where mechanical power is used and any pumping station used in connection with these works;

General

a. Any premises where mechanical power is used in connection with the making or repair of any article as part of any business carried on for trade or gain.

b. Any premises where mechanical power is used in connection with the sorting, packing, handling or storing of articles for trade, gain or as part of another business.

Annex C

Machinery and Equipment That Manufacturers And Suppliers Have Duties To Ensure Are Safe For Use

a. Bar-benders
b. Equipment or piping intended for operation under pressure, including all statutory pressure vessels
c. Equipment or piping intended to contain corrosive, toxic or flammable substances
d. Equipment used for abrasive blasting, including any accessory, apparatus or fitting necessary to enable its use and operation
e. Explosive powered tools
f. Forklifts
g. Lifting equipment
h. Materials or components used for the construction of support structures
i. Power presses
j. Scaffolds and any materials or components used to erect them
k. Welding equipment, including any accessory, apparatus or fitting necessary to enable its use

Annex D

Substances That Manufacturers And Suppliers Have Duties to Ensure Are Safe For Use

a. Carcinogens
b. Corrosive substances
c. Explosives
d. Flammable substances
e. Gases under pressure
f. Irritants
g. Mutagens
h. Organic peroxides
i. Oxidising substances
j. Pyrophoric substances
k. Self-heating substances
l. Self-reactive substances
m. Sensitizers
n. Substances hazardous to aquatic environment.
o. Substances which in contact with water, emit flammable gases
p. Teratogens
q. Toxic substances

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A Guide to the Workplace Safety and Health (First-Aid) Regulations

MINISTRY OF MANPOWER

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Annex B 18

A Guide to the Workplace Safety and Health (First-Aid) Regulations

What is in this section of the Guide?

This section of the Guide provides a brief explanation of the main features in the Workplace Safety and Health (First-Aid) Regulations to assist you in complying with the Regulations.

Why is there a need for First-Aid Regulations?

The life of an injured employee may depend on proper first-aid given within the first few minutes of an accident. Besides saving lives, first-aid treatment is important in preventing further injury and pain. The requirement for first-aid treatment in the workplace is not new and was defined in Section 58 of the Factories Act as well as the Factories (First-Aid) Regulations 1995.

In the new framework for occupational safety and health in Singapore, the Workplace Safety and Health Act replaces the Factories Act with effect from 1 March 2006. This Workplace Safety and Health (First-Aid) Regulations is one of the subsidiary legislations under the new Act.

Where will the Workplace Safety and Health (First-Aid) Regulations apply?

The Regulations will apply in the following workplaces.

1. Any premises which is a factory.
2. Any premises within an airport where any checking, inspecting, cleaning, loading, unloading or refueling of

an aircraft is carried out by persons other than by the crew of the aircraft.

3. Any ship in a harbour where any of the following is carried out:
   a. scaling, scurfing or cleaning of boilers, including combustion chambers and smoke boxes, in the ship;
   b. cleaning of any tank, bilges or holds in the ship;
   c. construction, re-construction, repair, fitting, furnishing or breaking up.
4. Any laboratory or other premises where the testing, examination or analysis of any article is carried out.

What are the responsibilities of the employer or occupier of the workplace?

If you are an employer or occupier of the workplace, you are responsible for the following:

- provision and maintenance of first-aid box,
- appointment and training of first-aiders,
- provision and maintenance of first-aid room,
- provision of suitable facility for quick drenching of body or flushing of eyes where toxic or corrosive substances are used.

What factors do I have to consider in carrying out my responsibilities as an employer or occupier?

When deciding on the number of equipment, first-aiders, and facilities for your workplace, you should consider the following factors:

- type of industry, the nature and specific hazards of the work,
- number of employees,

- number of work shifts,
- physical layout of the workplace,
- known occurrences of accidents or illnesses,
- location of the workplace in relation to the nearest medical clinic or hospital,
- work during holidays.
- first-aiders on sick leave.

The Safety Committee in the workplace should periodically review the first-aid facilities to ensure that these facilities are adequate.

Provision And Maintenance Of First-aid Box

What should be provided in the first-aid box and how should it be maintained?

Contents of First-Aid Box

The required minimum contents of first-aid boxes are listed in Annex A.

First-aid boxes should not contain materials other than those required for first-aid treatment.

It is essential that first-aid boxes be checked frequently to make sure they are fully equipped and all items are usable. Used or expired items should be replaced as soon as possible.

Number of First-Aid Boxes

The number of first-aid boxes required depends on the physical layout of the premises and the number of employees.

There should be at least one first-aid box on each floor of the premises. The total number of first-aid boxes required should be sufficient for use by all employees.

Ratio Of Employees To First-Aid Boxes

No. of employees	No. and type of first-aid boxes
Less than 25 employees	at least one Box A
every 50 employees	at least one Box B
every 100 employees	at least one Box C

Note: One box B is equivalent to two Box A.
One Box C is equivalent to two Box B.

Accessibility of First-Aid Boxes

The first-aid box should be labeled clearly and placed in an unmistakably identified, well-illuminated and easily accessible location. The first-aid box must be made of sturdy material and be portable so that it can be quickly taken to the site of an accident.

Where the factory covers a large area, an adequate number of first-aid boxes should be provided and well distributed throughout the premises. Employees should be informed of the location of all the first-aid boxes.

Provision And Maintenance Of First-Aid Room

What should be provided in a first-aid room and how should it be maintained?

A first-aid room is to be provided where there are more than 500 employees.

Design of First-Aid Room

The room should be large enough to hold a couch, and still have space for people to move about. It should be well lit and ventilated and have provision for emergency lighting.

It should also be clearly identified as a first-aid room by means of a sign.

Facilities in First-Aid Room

The items that should be provided in a first-aid room are listed in Annex B.

Location of First-Aid Room

When choosing a site for a first-aid room, bear in mind the following factors:

- proximity to toilets,
- proximity to lifts and main passageways which are wide enough to allow a stretcher, wheelchair or carrying chair through,

- accessibility to work area,
- accessibility to car park, so as to facilitate transfer of injured persons to an ambulance.

Working With Toxic Or Corrosive Substances

What first-aid facilities are required if toxic or corrosive substances are being used?

If the workplace has exposure to toxic or corrosive substances, the Commissioner of Workplace Safety and Health may require the provision of suitable facilities for emergency treatment, such as emergency showers for quick drenching and eye wash for flushing the eyes. These facilities for emergency use should be located within the work area and be properly maintained.

Special Instructions

Some chemicals handled in the factory may not be commonly used. Hence, instructions on the handling of employees injured by such chemicals may need to be written down in Safety Data Sheets (SDS) for easy reference in the event of an accident. If a chemical has an antidote eg amyl nitrite for cyanide poisoning, the antidote should be available. Instructions on the administration of the antidote should be clearly written down.

Copies of the SDS should be located near the first-aid boxes so that they can be referred to quickly and easily.

Appointment of First-Aiders

Number to Be Appointed

Ratio Of First-Aiders To The Number Of Employees

Type of workplace	No. of employees	No. of first-aiders
Quarries, construction sites, shipyards, petroleum refineries, woodworking factories	26 – 100	one
	More than 100	one for every 100 persons employed or less
All other factories and workplaces covered under the Regulations	26 – 150	one
	More than 150	one for every 150 persons employed or less

Shift Work

If there is a shift work schedule, there must be a sufficient number of first-aiders corresponding to the number of employees working on that shift to provide adequate coverage for each shift.

Availability of First-Aiders

The names and where the first-aiders normally work must be displayed on a notice in a prominent location in the workplace.

What are the responsibilities of the first-aider?

The first-aider has 3 main responsibilities.

1. Management of Casualty

The first-aider should be aware of the specific hazards (eg, hazardous substances, dangerous goods, machinery or equipment) in the workplace and be able to render first-aid for these specific hazards.

In the management of an injured employee, the first-aider should take the following steps.

- Assess the situation without endangering his own life.
- Identify the injuries.
- Give immediate first-aid treatment, keeping in mind that a casualty may have more than one injury and that some casualties will require more urgent attention than others.
- Arrange without delay for the injured employee(s) to be sent to a doctor, hospital or home, according to the seriousness of his condition.
- Provide information to an attending doctor on the nature of the incident and the first-aid treatment rendered.

The first-aider's responsibility ends when the casualty is handed over to the care of a doctor, nurse or other appropriate person.

2. Maintenance of Treatment Record

The first-aider must record the treatment given and keep the record in a designated place.

3. Maintenance of First-Aid Facilities

The first-aider is responsible for maintaining the first-aid box. He should ensure that only first-aid equipment is kept inside the box. The first-aider should periodically check the first-aid box to ensure that the contents of the box are regularly replenished.

In workplaces with Occupational Health Nurses, the supervision of first-aiders and the responsibility for the maintenance of first-aid facilities may be taken over by the nurse.

How are employees informed of the availability of first-aid?

Employees should be informed of the type and location of the first-aid facilities and the procedures to be followed when first-aid is required.

This should take place as part of the initial training or induction of the employee and when there is a significant change in personnel, workplace, or nature or type of duties performed. All employees should also be advised and made aware of the first-aid requirements of the specific hazards in the workplace.

Training of First-Aiders

What are the qualities and training required for a person selected to be a first-aider?

Selection for Training

An employer or occupier should select suitable persons for first-aid training. Persons who are suitable are those who:

- are mature and responsible,
- can remain calm in an emergency,
- can leave their work immediately to respond to an emergency,
- are physically fit.

The employer or occupier should maintain a written record of all the first-aiders, and record the dates they obtained their first-aid certificates and the dates on which they received retraining.

Training Providers

A person is considered a trained first-aider if he successfully completes a first-aid course approved by the Ministry of Manpower. The list of training providers can be found at **http://www.mom.gov.sg/oshd**, under "Occupational First-Aid Courses".

Validity of Certificates

First-aid certificates are valid for 3 years only. Thereafter, the first-aider has to undergo a refresher course and be issued with a new certificate.

Transitional Period

What is the status of persons appointed or documents obtained before 1 March 2006 when the Workplace Safety and Health Act comes into force?

Any persons appointed, and any documents, certificates or permits issued or approved under the Factories Act, will continue to be valid under the Workplace Safety and Health Act during the transition between the two pieces of legislation until the Act is fully implemented. Examples of such persons or documents include safety officers, safety auditors, authorized boiler inspectors, approved persons, designated factory doctors, safety committees, certificates of factory registration, and inspection reports. Subsidiary legislation made under the Factories Act will also remain in force.

Further Information

Copies of the Workplace Safety and Health Act and its subsidiary legislation can be purchased from:

SNP Corporation (Legal) Ltd
Legal Publications Retail Outlet
1 Kim Seng Promenade #18-01/06
Great World City East Tower
Singapore 237994
Tel: +65 68269691
Website: http://www.snpcorp.com/webshop

For more information, please contact us at:

Email	:	mom_oshd@mom.gov.sg
Telephone	:	+65 64385122
Fax	:	+65 63171261
Mailing Address	:	Occupational Safety and Health Division Ministry of Manpower 18 Havelock Road #03-02 Singapore 059764
Web-site	:	http://www.mom.gov.sg/oshd

You can also obtain the latest occupational safety and health information by subscribing to the OSH Alerts. Details can be found in the web-site address provided above.

Please call 63171111 to report any unsafe workplaces or practices.

Annex A

Minimum Contents Of First-Aid Boxes

S/no	Contents	Box A (for every 25 persons employed or less)	Box B (for every 50 persons employed or less)	Box C (for every 100 persons employed or less)
1.	Individually wrapped sterile adhesive dressings	20	40	40
2.	Crepe bandage 5 cm	1	2	4
3.	Crepe bandage 10 cm	1	3	6
4.	Absorbent gauze (packets of ten pieces)	5	10	15
5.	Hypoallergenic tape	1	1	2
6.	Triangular bandages	4	4	6
7.	Scissors	1	1	1
8.	Safety pins	4	4	6
9.	Disposable gloves (pairs)	2	2	4

S/no	Contents	Box A (for every 25 persons employed or less)	Box B (for every 50 persons employed or less)	Box C (for every 100 persons employed or less)
10.	Eye shield	2	4	6
11.	Eye pad	2	4	6
12.	Resuscitation mask (one-way)	1	1	2
13.	Sterile water or saline in 100 ml disposable containers (only where tap water is not available)	1	3	3
14.	Torch light	1	1	1

Note: One Box B is equivalent to two Box A.
One Box C is equivalent to two Box B.

Annex B

Recommended Facilities For First-Aid Room

The following items should be provided in a first-aid room.

1. First-aid box
2. Sink with running potable water
3. Disposable paper towels
4. Smooth top working surfaces
5. Record keeping facilities
6. Adequate supply of sterile dressings and other materials for wound treatment
7. Stretcher(s)
8. Splints
9. Clinical thermometer
10. Couch with pillow and blanket
11. Suitable store for first-aid equipment eg stretchers, wheel chairs
12. Soap and nail brush
13. Clean garments for use by first-aiders
14. Suitable refuse container with disposable lining

In addition, a few chairs should be provided close to the first-aid room if employees have to wait for treatment.

Compiled by Ministry of Manpower
May 2006

NOTES

A Guide to the Workplace Safety and Health (Risk Management) Regulations

MINISTRY OF MANPOWER

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Introduction

In 2005, the Ministry of Manpower unveiled a new occupational safety and health framework to make possible quantum improvements in safety and health standards at the workplace. An underpinning principle under the new framework is to eliminate or mitigate safety and health risks at source.

The risk associated with any work activity depends on the severity of an accident or ill health that may occur, and the likelihood of its occurrence. All risks at work can be controlled, and all accidents or ill health can be prevented. Some methods of control are better than others in a given situation. Some risks require more than one control method to achieve optimum results. Whatever risk control measures we take, the aim is to reduce the likelihood of occurrence and/or the severity of the accident or ill health. Ultimately, the risk must be reduced to an acceptable level before commencement of work.

Risk management is a process by which the management assesses the risks, determines the control measures, and takes appropriate actions to reduce such risks. It is a cornerstone to prevent deaths, injuries and ill health at work. All workplaces need to conduct risk assessments to help identify the source of risks, actions that should be taken, and parties responsible for doing so.

With the emphasis to reduce risk at the workplace, the new Workplace Safety and Health (Risk Management) Regulations detail the steps required to eliminate risk or reduce it to as low as is reasonably practicable.

This booklet provides guidance to the Regulations which come into operation on **1 September 2006**.

A Guide to the Workplace Safety and Health (Risk Management) Regulations

Why is there a need for the Workplace Safety and Health (Risk Management) Regulations?

In the new framework for occupational safety and health in Singapore, one of the major means of reducing risks at the workplace is by making stakeholders accountable for managing the risks they create. Risk assessment is a key instrument to reduce risk at the workplace.

Employers, self-employed persons and principals (including contractors and sub-contractors) have the responsibility of identifying safety and health hazards at the workplace and taking appropriate actions to eliminate the hazards or reduce the risks associated with the hazards. These requirements are specified in the Workplace Safety and Health (Risk Management) Regulations.

What is a hazard?

A **'hazard'** is something that in itself may cause harm or injury. Workplace hazards include moving parts of machinery, working at heights, slippery floors, electric energy, excessive noise, toxic or flammable substances, and lifting heavy objects.

What is a risk?

A **'risk'** means the likelihood that a hazard will cause a specific harm or injury to persons or damage to property. For example, if a person works at a 40 metre height on a platform without any railing and safety harness, the risk of falling and getting killed is high.

What is the difference between risk assessment and risk management?

Risk assessment is the process of identifying safety and health hazards associated with work, assessing the level of risks involved, and prioritizing measures to control the hazards and reduce the risks.

Risk management, like risk assessment, involves assessment of risks associated with any work activity or trade. However, it also includes control and monitoring of such risks, as well as communicating these risks.

Who needs to conduct risk assessment?

Every employer, self-employed person and principal (including contractor and sub-contractor) must conduct a risk assessment in relation to the safety and health hazards associated with any routine and non-routine work carried on at the workplace. The risk assessment may be conducted by the employers, self-employed persons or principals themselves or they may engage a risk assessment consultant to carry out the risk assessment.

How should this risk assessment be conducted?

Details of how risk assessment is to be conducted can be found in the Ministry of Manpower Guidelines on Risk Assessment. Please access the following website for the Guidelines:

http://www.mom.gov.sg/OSHD/Resources/Guides/Guidelines/index.htm

What can be done to control risks at the workplace?

Every employer, self-employed person and principal (including contractor and sub-contractor) must take all reasonably practicable measures to eliminate any

foreseeable risk to any person who may be affected by their undertaking.

If the risk cannot be eliminated, the employer, self-employed person and principal (including contractor and sub-contractor) must take reasonably practicable measures to minimise the risk. Some measures to minimise risks are listed below. They are listed in decreasing order of preference, i.e. from most preferred to least preferred.

1. Substitution e.g. substituting a hazardous substance or process with a less hazardous one
2. Engineering controls e.g. installing machine guarding or enclosing a noisy machine
3. Administrative controls e.g. implementing a permit-to-work system or lock-out and tag-out procedures
4. Provision and use of suitable personal protective equipment

In addition, safe work procedures must be implemented to control the risk.

If the risk cannot be eliminated, how should safe work procedures be implemented?

If the risk cannot be eliminated, every employer, self-employed person and principal (including contractor and sub-contractor) must establish safe work procedures to minimise the risk. Safe work procedures are step-by-step measures of doing or carrying out work safely. The procedures must include the measures to be taken to safeguard persons in the event of an emergency. The safe work procedure must be communicated to the worker.

Every employer, self-employed person or principal must specify the roles and responsibilities of persons involved in the implementation of the risk control measures and safe work procedures.

How often must the risk assessment be reviewed?

The risk assessment must be reviewed or revised at least once every 3 years.

It must also be reviewed in the event of the following:

- After an accident as a result of exposure to a hazard,
- When there is a significant change in work processes that could affect the safety and health of the workers, for example, the introduction of new machinery or chemicals.

How should risk assessment records be maintained?

A record of risk assessments conducted must be maintained. The record should include:

- the results or findings recorded in risk assessment forms,
- risk control measures taken or to be taken,
- any safe work procedures.

The record must be kept by the employer, self-employed person or principal (including contractor and sub-contractor) for at least 3 years.

What steps should the taken to communicate the risks involved?

Every employer, self-employed person and principal (including contractor and sub-contractor) must take all reasonably practicable steps to inform his employees or any other persons at the workplace who may be exposed to safety and health risk.

They should be informed of the following:

- the nature of the risk involved,
- the measures implemented to control the risk,

- applicable safe work procedures.

Whenever the risk assessment is revised, or when there is a significant change in work practices or procedures, the employees or other persons who may be at risk must be informed accordingly.

What are the offences and penalties related to the Workplace Safety and Health (Risk Management) Regulations?

Any employer, self-employed person or principal (including contractor and sub-contractor) who fails to comply with the following requirements of the Workplace Safety and Health (Risk Management) Regulations is guilty of an offence:

- Conduct a risk assessment for all work in the workplace.
- Take reasonably practicable measures to eliminate or reduce safety and health risks.
- Establish safe work procedures if the risks cannot be eliminated.
- Specify the roles and responsibilities of persons involved in the implementation of risk control measures and safe work procedures.
- Keep records of risk assessment.
- Inform employees of the nature of the risks involved and any risk control measures or safe work procedures implemented.
- Review or revise risk assessment.

The penalty for the first offence is a fine of up to $10,000.

For a second or subsequent offence, the offender may be fined up to $20,000 or jailed up to 6 months or both.

Under the **Workplace Safety and Health Act**, the Commissioner for Workplace Safety and Health may issue a Remedial Order to require an employer or any other person to remove any workplace risk or to comply with a safe work procedure. Failure to comply with a Remedial Order is considered an offence and the maximum fine for the offence is $50,000 or 12 months imprisonment or both.

Further information

For worked examples of risk assessment and templates for risk assessment, please visit our website at:

http://www.mom.gov.sg/OSHD/Resources/Guides/Guidelines/index.htm

Compiled by Ministry of Manpower
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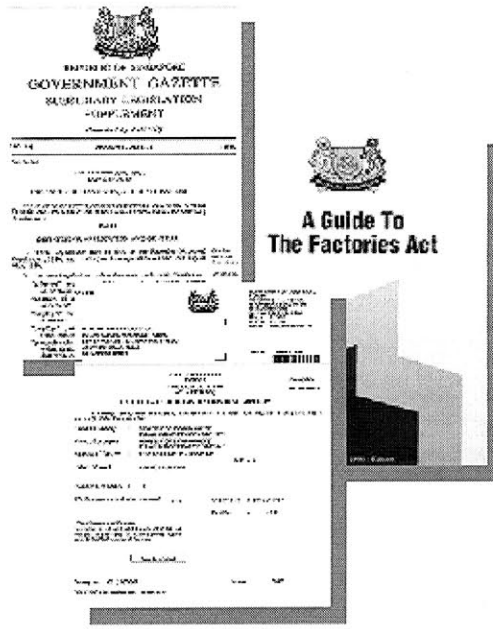
2 LEGAL REQUIREMENTS ON NOISE CONTROL

Under the Factories Act, where in any factory persons are employed in any process, operation or work involving exposure to excessive noise or vibration, effective measures shall as far as practicable be provided for the reduction of the noise or vibration.



The Factories (Noise) Regulations define the term "excessive noise" and specify the noise control measures. A person is exposed to excessive noise if the noise he is exposed to, exceeds an equivalent sound pressure level of 85 dBA over an 8-hour work day. The requirements on Noise Control under The Factories (Noise) Regulations are reproduced as follows.

Duties of Occupier and Employer

The occupier or employer must take all practicable measures to reduce or control noise from any machinery, equipment or process such that no person employed or working in the factory is exposed to excessive noise.

The measures to be taken must include one or more of the following where appropriate:

(a) replacing noisy machinery, equipment or processes with less noisy machinery, equipment or processes;

(b) locating noise sources away from hard walls or corners;

(c) isolating noise sources such that a minimum number of persons employed or working in the factory are exposed to the noise;

(d) constructing suitable acoustic enclosures to contain noise emitted by machinery, equipment or processes;

(e) erecting an effective noise barrier larger in size than the noise source to provide acoustic shielding;

(f) operating pneumatic machinery, equipment or tools at optimum air pressure to minimise noise emission and installing suitable pneumatic silencers at pneumatic line outlets;

(g) installing mufflers at intake and exhaust openings that emit noise;

(h) mounting vibrating machinery on vibration isolators or separate foundations;

(i) isolating persons employed or working in the factory in an acoustically shielded room or enclosure, where reduction of noise at the noise source is not practicable;

(j) lining hard surfaces with acoustically absorbent materials to reduce noise reverberation;

(k) isolating or reducing the size and vibration of vibrating surfaces or applying damping materials to vibrating surfaces;

(l) reducing the height from which objects are allowed to fall or applying a resilient material at the point of impact or at the point of interaction of moving objects;

(m) maintaining machinery and equipment at regular intervals to reduce noise emission.

Where it is not practicable to reduce the noise, the occupier or employer must limit the duration of time persons employed or working in the factory are exposed to the noise so that such persons are not exposed to excessive noise.

No occupier or employer shall use any machinery, equipment or process (not in use in the factory before 1st January 1997) in the factory if any person employed or working in the factory will thereby be exposed to excessive noise, unless the machinery, equipment or process incorporates or is used in conjunction with all the means of reducing noise applicable to such machinery, equipment or process.

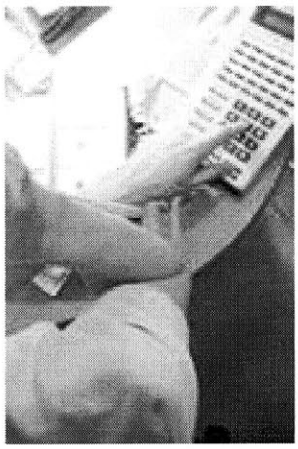
Where 50 or more persons employed or working in the factory are exposed or are likely to be exposed to excessive noise, the occupier or employer must appoint a competent person to advise him on all proper noise control measures.

Duties of Suppliers of Machines or Equipment

Any person who supplies any machine or equipment for use in any factory which is likely to expose any person to excessive noise must furnish to the person to whom the machine or equipment is supplied such information concerning the sound level which is likely to be generated by the machine or equipment and label the machine or equipment.

3 COST- BENEFIT ANALYSIS OF NOISE CONTROL

The costs of noise hazard have usually been thought of only in terms of compensation costs for noise-induced hearing loss. This can make it difficult to justify expenditure on noise control because the benefits seem a long way off. The benefits of noise control can be realised immediately in other aspects.



Cost of Noise Hazard to Workers

The cost involved can be tangible and / or intangible. Workers exposed to excessive noise may suffer from:

- a risk of permanent hearing loss
- communication problems in noisy workplaces
- possible safety hazards
- stress, annoyance and fatigue

Cost of Noise Hazards to the Organisation

Compensation claims

When a worker is diagnosed with noise-induced hearing loss, the organisation bears the compensation burden for its employee.

Productivity

Noise can directly influence productivity by slowing down performance and increasing error rates on workers. Some workers can feel agitated while working in a noisy environment which may affect the productivity and morale of the organisation.

Hearing protectors

Hearing protectors are necessary to protect worker's hearing in noisy environment. However, these may introduce discomfort and will almost certainly be less acceptable to employees than noise controls.

Medical surveillance

Workers exposed to excessive noise are required to undergo annual audiometric testing. There is a loss of production period as well as costs whenever workers go for their appointments.

Risk of accidents

Noise can be a contributing factor in industrial accident. Wherever safe working practices depend on voice communication, noise will be a threat to safety. Noise can also make the consequences of an accident worse than they otherwise might have been. The potential for such costs is obvious and

must be kept in mind when considering the probable costs of excessive noise in the workplace.

Benefits of Noise Control for the Organisation

A successful noise control management programme creates a strong safety climate within the organization.

Corporate image

Noise is one of the major occupational health hazards and a commitment to noise control enhances an organisation's image.

Industrial relations

By providing concrete evidence of an organisation's commitment to occupational health and safety, this will help contribute to improved industrial relations.

Reduced risks of compensation claims

A reduction in the number of hearing loss compensation claims helps the organisation achieve cost savings.

Cost savings on personal protection

With the elimination of the need for hearing protectors, savings can be achieved for these personal protective equipment.

Improved productivity

With a quieter working environment, workers feel less agitated and hence productivity will improve.

Benefits of Noise Control for Workers

Workers exposed to noise will benefit because of:

- a reduced risk of hearing loss
- the reassurance that their health and welfare is important
- improved communications in the workplace
- less stress, annoyance and fatigue

4 NOISE EXPOSURE LIMITS AND CONTROL CRITERIA

Noise Exposure Limits

The permissible exposure limits for noise are stipulated in the Factories (Noise) Regulations. No person shall be exposed to an equivalent sound pressure level of 85 dBA over an 8-hour work day.

The permissible exposure limits for noise are given in Table 3. For every 3 dBA increase in sound pressure level, the exposure duration is reduced by half.

Table 3 Permissible noise exposure limits

Sound Pressure Level (SPL), dBA	Maximum Duration (T) per Day
82	16 hrs
83	12 hrs 42 mins
84	10 hrs 5 mins
85	8 hrs
86	6 hrs 21mins
87	5 hrs 2 mins
88	4 hrs
89	3 hrs 11mins
90	2 hrs 31mins
91	2 hrs
92	1 hr 35 mins
93	1 hr 16 mins
94	1 hr
95	48 mins
96	38 mins
97	30 mins
98	24 mins
99	19 mins
100	15 mins
101	12 mins
102	9 mins
103	7.5 mins
104	6 mins
105	5 mins
106	5 mins
107	3 mins
108	2.5 mins
109	2 mins
110	1.5 mins
111	1 min

The permissible sound pressure level can be calculated using the following formula:

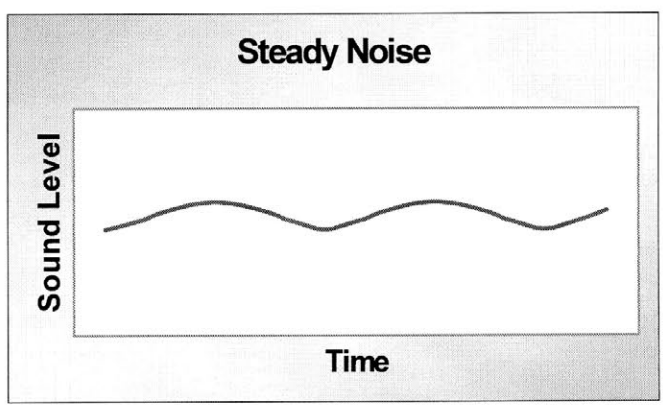
$$L_{Aeq,T} = 85 - 10\log\frac{T}{8} \tag{12}$$

The permissible exposure duration, T can be calculated using the following formula:

$$T = \frac{8}{2^{(L_{Aeq,T}-85)/3}} \tag{13}$$

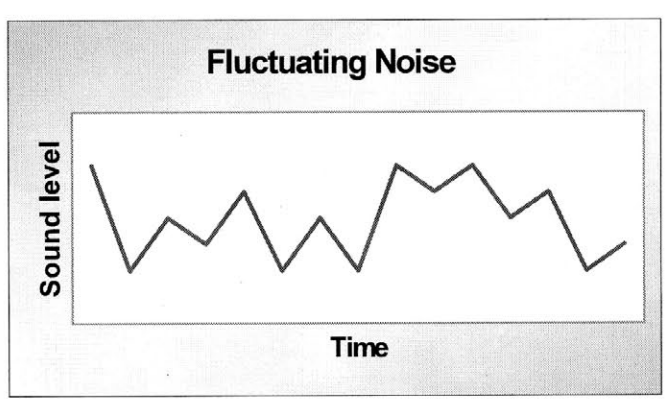
Steady Noise

Steady noise is noise with negligibly small fluctuations of level within the period of observation. Such noise has frequencies evenly distributed throughout the audible range.



Fluctuating Noise

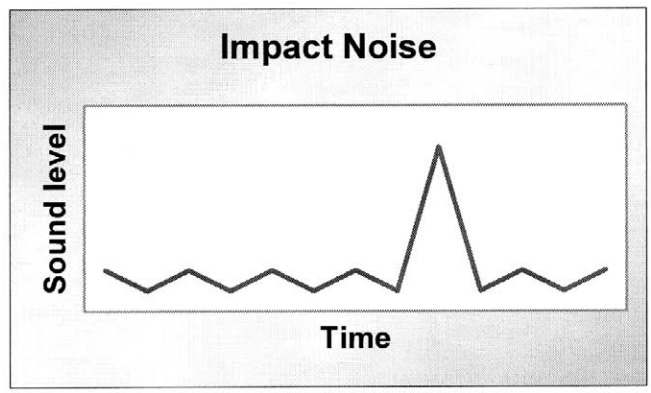
Fluctuating noise is noise whose level varies continuously and to an appreciable extent during the period of observation. It consists of a wide mixture of frequencies.



Impact or Impulse Noise

An impact or impulse noise is defined as a transient sound of duration of less than one second which may be repeated after a delay of more than one second.

No exposure in excess of a peak sound pressure level of 140 dBA is allowed.



Permissible Noise Dose

Where the daily noise exposure is composed of two or more periods of noise exposure at different levels, their combined effect shall be considered rather than the individual effect. If the sum of the following fractions exceed one (i.e D = 1.0 or 100% noise dose), the combined exposure has exceeded the permissible exposure limit.

The daily noise dose, *D* can be calculated by:

$$D = \frac{t_1}{T_1} + \frac{t_2}{T_2} + ... + \frac{t_n}{T_n} = \sum_{i=1}^{n} \frac{t_i}{T_i} \qquad (14)$$

where t_i indicates the duration of exposure at a specific noise level
T_i indicates the duration of exposure permitted at that level

All on-the-job noise exposure of 80 dBA or greater should be integrated into the above computation.

Example

A worker is exposed to different sound pressure levels for different duration. The noise levels and duration of exposure are as follows:

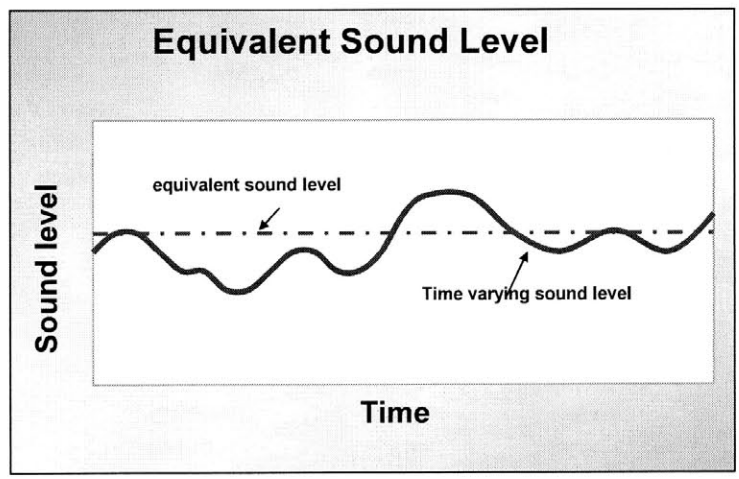
$L_{Aeq,T}$, dBA	*ti*, hr	*Ti*, hr
85	4	8
88	3	4
91	1	2

Noise dose = $\frac{4}{8}+\frac{3}{4}+\frac{1}{2}$ = 1.75 or 175%

The daily permissible noise dose had been exceeded.

Equivalent Sound Level

This is the constant sound level which, over a given time period, T has the same amount of acoustic energy as a varying sound being measured.



It may be determined using the following formula:

$$L_{Aeq,T} = 10\log[\sum_{i=1}^{n}\frac{t_i}{T}\times 10^{\frac{L_i}{10}}] \qquad (15)$$

where $L_{Aeq,T}$ is the equivalent sound level in dBA over a period of time T
L_i is the sound level in dBA during the interval *ti*.

Hence, a 4-hour exposure at 88 dBA has the same acoustic energy as an 8-hour exposure of 85 dBA.

Example

A worker is exposed to 85 dBA for 4 hours, 88 dBA for 3 hours, and 91 dBA for 1 hour, the equivalent sound pressure level over the 8-hour work shift is:

$$L_{Aeq} = 10\log[\frac{4}{8}\times 10^{\frac{85}{10}}+\frac{3}{8}\times 10^{\frac{88}{10}}+\frac{1}{8}\times 10^{\frac{91}{10}}] = 87\ \text{dBA}$$

The permissible noise exposure has been exceeded.

Relationship between Dose and Equivalent Level

Both the noise dose and the equivalent sound level can be measured by a noise dosimeter or an integrating sound level meter.

If the measurement is made over a period of T hours, the relationship between the percent noise dose and the equivalent sound pressure level is:-

$$L_{eq} = 85 + 10\log\frac{D\%}{12.5 \times T} \tag{16}$$

A permissible 100% noise dose is equal to an equivalent sound pressure level of 85 dBA for an 8-hour period.

Example

A noise dosimeter measured 200% noise dose at a worker's hearing zone, and the worker's exposure was monitored for 8 hours. What was the noise exposure level of the worker?

$$L_{eq} = 85 + 10\log\frac{200\%}{12.5 \times 8} = 88\,\text{dBA}$$

However, if the worker's exposure was monitored for only 4 hours, the noise exposure level would be:

$$L_{eq} = 85 + 10\log\frac{200}{12.5 \times 4} = 91\,\text{dBA}$$

Identification of Noisy Sources

In many industrial plants, there may be several noise sources contributing to the noise level. If the suspected noise source can be operated independently of other machinery, switching it off is one of the reliable methods of source identification.

Another way of identifying noise sources is to enter the work area when there is no activity, so that one source at a time can be operated and the sound level measured.

Sometimes a noisy machine may have several sound sources and it is important that each source should be identified and measured to determine the dominant source.

Priority of Noise Control

When more than one noise source is present in an area, it is essential to reduce the noisiest source if effective noise reduction is to be achieved.

If there is a large number of similar level noise sources, each contributing equally to the overall noise level, then all of the sources must be reduced together in order to gain any further significant noise reduction.

Example

Three noise sources of 80 dBA, 85 dBA and 90 dBA combine to create a combined noise level of 91 dBA.

If the 80 dBA source is removed, the sum of the 85 and 90 dBA sources is 91 dBA.

If the 80 and 85 dBA sources are removed, the 90 dBA source still remains.

If the 90 dBA source is removed, the sum of 80 and 85 dBA sources is only 86 dBA.

Practical Noise Identification Tests

The following tests are designed to identify a particular noise generating mechanism. They should preferably be carried out by competent persons or plant engineers.

Location of sources of impact

Listen to the machine and identify the parts or components which make contact and generate noise. If possible, run the machine at a reduced speed or run automatic machines under manual control to identify the noise sources.

Isolation of suspected noise sources

Operate parts of a machine which are suspected noise sources in isolation. If this is not possible, disable the suspected parts and operate the remainder. Disabling the most significant source will cause the greatest noise reduction.

Identification of resonant structures and panels

Excite the parts which are suspected to resonate (ring) in response to impacts, by striking each in turn with a hammer. Compare the tones generated to those heard when the machine is running. Ringing of thin panels can sometimes be identified by applying light manual pressure. Resonance can sometimes be identified by changing the forcing frequency (by changing the drive speed) in which case there will be a sudden drop in noise level when the drive speed moves away from the panel resonant frequency.

Sources with unusual time variations

Look for a source of noise generation which undergoes change while conditions elsewhere remain the same (for example, the rattle of bar stock on an automatic lathe may change as bar length changes).

Location of radiating surfaces

The loudest sound radiation is usually located near the point of highest sound level around the machine (though if distant from the operator it may not be significant). This sound may be temporarily suppressed by covering the radiating surface with a limp heavy loaded vinyl sheet . Feeling vibrating surfaces by hand does not give a good indication.

Characteristic sources within a machine

The exterior of the source may be removed, one at a time, (taking all safety precautions) to reveal sources within the machine. Look for sources with noticeable characteristics.

Location of transmission eccentricities

Noise which is modulated (that is has a noticeable rapid fluctuation in level, for example, throbbing) is often caused by bent shafts or eccentrically mounted gears and pulleys. The rate at which the noise fluctuates is determined by the rotational speed of the defective component. Change the speed of each inspected item and listen for a change in modulation, or try and count the

number of modulations per minute and relate this to components which run at that speed.

Location of worn bearings

If the noise level increases markedly as the rotational speed of the shaft is increased, then it may be due to worn bearings. Noise will be radiated from the bearing casing and may be detected by measuring excessive shaft run-out.

Location of sources of tone

Change the speed of the different machine components in turn and note which change affects the level and frequency of the tone most.

Test of tool or saw-blade errors

Check the quality of the machined surface or cut to indicate tool chatter, clamping or positioning problems, and blade or tool wear.

Location of loose panels or components

Look for rattles, checking these by hand in light structures (where safe) or by restraining with clamps or stops in larger structures (in which case the strength and stiffness must match that of the structure).

Test for fan noise

Switch off each fan in turn to identify any noisy units. Excessive low frequency noise may be due to a fan imbalance or running near stall condition, while a tonal noise may indicate an obstruction, a blade defect, poor mounting or running at higher than rated speed.

Test for flow-generated noise

Remove in turn, all sharp edges and constrictions from the flow.

Effect of load on system

Compare the noise levels at idle with that when under load. Identify noise-generating mechanisms which only active, or which change, under load. If noisier when under load, these mechanisms dominate. If noise is the same or less under load, look at the mechanisms which do not change with load.

Methods of Noise Control

Control of noise hazard can be accomplished by three approaches:

- Engineering methods
- Administrative measures

- Personal protection

Engineering noise controls

Engineering controls are physical means that reduce the noise either at the source, along the path or in the hearing zone of the receiver. Engineering controls are often the permanent and effective solutions to noise problems. Hence, engineering controls should be used as a primary means of controlling noise where practicable. These include substitution of noisy machinery or process, installation of barriers or enclosures and modification of the noise sources etc.

Administrative measures

Any arrangement that significantly limits the daily noise exposure of workers by control of work or production schedule is an administrative control. Some examples are shortening the duration of noise exposure by job rotation and scheduling machine operating time to reduce the number of workers exposed to noise.

Administrative controls should be considered if engineering controls cannot or fail to reduce the noise to an acceptable level. However, administrative controls should not be used as the sole means of preventing hearing loss as they do not reduce the noise level.

Personal protection

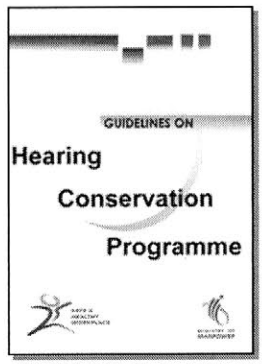
When engineering and administrative controls fail to bring the noise exposure to an acceptable level, the use of hearing protectors is imperative in preventing hearing loss.

However, using hearing protectors is not a permanent solution as they do not reduce or eliminate the noise hazard. Their effectiveness depends on how well they fit and how regularly they are worn. Failure to use them means immediate exposure to the hazard.

Hearing Conservation Programme (HCP)

A hearing conservation programme should be established and maintained for workers who are exposed to excessive noise. An effective HCP can minimise or eliminate noise hazard and prevent noise-induced hearing loss. Hence, top management support is needed to ensure its successful implementation.

The essential components of the programme are:



- Identification of work areas and machines with a noise hazard
- Regular monitoring of noise levels and maintaining of records on noise assessments
- Implementation of noise control measures where feasible
- Provision of hearing protectors to workers and ensuring their usage
- Training and education of workers on the importance and necessity of using hearing protectors
- Annual audiometric tests for the detection of early hearing impairment

【별첨 4】

ANNEX C

Approved Codes of Practice

1	CP 14:	Code of Practice for scaffolds
2	CP 20:	Code of Practice for suspended scaffolds
3	CP 23:	Code of Practice for formwork
4	CP 27:	Code of Practice for factory layout — safety, health and welfare considerations
5	CP 37:	Code of Practice for the safe use of mobile cranes
6	CP 62:	Code of Practice for the safe use of tower cranes
7	CP 63:	Code of Practice for the lifting of persons in work platforms suspended from cranes
8	CP 74:	Code of Practice for selection, use and maintenance of respiratory protection devices
9	CP 76:	Code of Practice for the selection, use, care and maintenance of hearing protectors
10	CP 79:	Code of Practice for safety management system for construction worksites
11	CP 84:	Code of Practice for entry into and safe working in confined spaces
12	SS 473 – 1:	Personal eye-protectors — General requirements
13	SS 473 – 2:	Personal eye-protectors — Selection, use and maintenance
14	SS 510:	Code of Practice for safety in welding and cutting (and other operations involving the use of heat)
15	SS 508 – 1:	Graphical symbols — Safety colours and safety signs — Design principles for safety signs in workplaces and public areas
16	SS 508 – 3:	Graphical symbols — Safety colours and safety signs — Safety signs used in workplaces and public areas
17	CP 88 – 1:	Code of Practice for temporary electrical installations — Construction and building sites
18	CP 88 – 3:	Code of Practice for temporary electrical installations — Shipbuilding and ship-repairing yards
19	SS 98:	Industrial safety helmets 2005
20	SS 513 – 1:	Personal protective equipment — Footwear — Safety footwear
21	SS 513 – 2:	Personal protective equipment — Footwear — Test methods for footwear
22	CP 91:	Code of Practice for lockout procedure
23	CP 101:	Code of Practice for safe use of powered counterbalanced forklifts

List of Relevant Codes of Practices and Guidelines

Scope of Coverage	Legislation	Codes of Practice / Guidelines (not exhaustive)
Asbestos	• Environmental Pollution Control Act • Factories (Asbestos) Regulations	• Guidelines on the removal of asbestos materials in buildings • Guidelines on the handling of asbestos materials
Biological	• Infectious Disease Act • Private Hospitals and Medical Clinics Act	
Chemical Hazards	• Workplace Safety and Health (General Provisions) Regulations • Environmental Pollution Control (Hazardous substances) Regulations	• Guidelines on prevention and control of chemical hazards • Guidelines on risk assessment for occupational exposure to harmful chemicals • Guidelines on solvent degreasing • CP for Packaging and Containers for Hazardous Substances • CP for Distribution of Hazardous Chemicals
Confined Work Space	• Workplace Safety and Health (General Provisions) Regulations	• CP for Entry Into and Safe Working in Confined Spaces
Construction Safety	• Factories (Building Operations And Works Of Engineering Construction) Regulations	• CP for Demolition • CP for Scaffolds • CP for Suspended Scaffolds • CP for Formwork • CP for Supervision of Structural Works • CP for the Lifting of Persons in Work Platforms Suspended from Cranes • CP for Temporary Electrical Installations - Construction and Building Sites • CP for Temporary Electrical Installations - Shipbuilding and Ship-repairing Yards
Diving		• CP for Diving at Work
Environmental Pollution	• Environmental Pollution Control Act	• CP for Hazardous Waste Management

Scope of Coverage	Legislation	Codes of Practice / Guidelines (not exhaustive)
Ergonomics and Lighting		• CP for Office Ergonomics • CP for Manual Handling • CP for Artificial Lighting in Buildings • CP for Illumination in Industrial Premises
First Aid	• Workplace Safety and Health (First Aid) Regulations	• Guidelines on First Aid Requirements
Fire Safety	• Fire Safety Act • Workplace Safety and Health (General Provisions) Regulations	• CP for Fire Precautions in Buildings
Machinery Safety		• CP for guarding and safe use of woodworking machinery • CP for Lockout Procedure • CP for safe use of mobile cranes • CP for safe use of tower cranes • CP for safe use of industrial robots • CP for safe use of powered counterbalanced forklift
Medical Examinations	• Factories (Medical Examinations) Regulations	• Guidelines for Designated Factory Doctors
Noise and Vibration	• Workplace Safety and Health (General Provisions) Regulations	• Hearing Conservation Programme Guidelines • Guidelines on Noise Labeling • CP for Industrial Noise Control
OSH Management Systems		• CP for safety management system for construction worksites • Occupational safety and health (OSH) management system – Specification • Occupational safety and health (OSH) management system - General guidelines for the implementation of OHS management system • Occupational safety and health (OSH) management system - Requirements for the chemical industry

List of Approved Training Providers (ATPs, bizSAFE)

Updated as of 19 September 2012

Kindly contact the respective ATPs (bizSAFE) via their website/contacts for course details. Thank you.

		bizSAFE Level 1	bizSAFE Level 2	bizSAFE Level 4	Contacts
S/N	bizSAFE Service Providers(in alphabetical order)	bizSAFE Workshop for CEO/Top Management	bizSAFE Course on Risk Management	bizSAFE Course on Workplace Safety & Health Management System	Website
1	A2V Construction Services Pte Ltd	✓	✓	✓	http://www.A2V.com.sg
2	AA International Consultancy Pte Ltd	✓	✓		http://www.aainternational.com.sg
3	Absolute Kinetics Consultancy Pte Ltd	✓	✓	✓	http://www.absolutekinetics.com
4	Academic Centre & Clinic Pte Ltd	✓	✓		http://www.academiclinic.com/contactFA.html
5	ACE EHS SINGAPORE PTE. LTD.	✓	✓		http://www.aceehss.com
6	Accusafe Pte Ltd	✓	✓		http:www. accusafe.com.sg
7	Advance Management System Consultancy Pte Ltd		✓		http://www.amsc.com.sg
8	AJA REGISTRARS PTE LTD	✓	✓	✓	www.holidayinn.com/atrium-sin
9	Anzenet Pte Ltd	✓	✓		http://www.anzenet.com.sg
10	ASCENDO CONSULTING PTE. LTD.	✓	✓		www.ascendo.sg
11	Asdin Associates	✓	✓		http://asdin.sg
12	Associates Consulting Pte Ltd	✓	✓		www.associates.com.sg
13	August International Pte Ltd	✓			http://www.8ipl.com.sg/
14	Avanta Global Pte Ltd	✓	✓	✓	www.avanta.com.sg
15	BCA Academy	✓	✓	✓	http://www.bca.gov.sg
16	Bond International Consultants Pte Ltd	✓	✓	✓	http://www.bond-intl.com
17	CCIS Singapore Pte Ltd	✓	✓	✓	http://www.ccis.com.sg
18	Certification International (S) Pte Ltd	✓	✓		http://www.cert-ints.com.sg
19	Concord Associates Pte. Ltd.	✓	✓	✓	http://www.concordassociates.com.sg
20	DV TRAINING SERVICES PTE. LTD.		✓		www.dvtrainingsvs.com
21	EMAAN OSH CONNECT PTE. LTD.	✓	✓	✓	www.oshconnect.com.sg
22	EDUQUEST INTERNATIONAL INSTITUTE PTE. LTD.	✓	✓		www.eduquest.com.sg
23	ESIS Asia Pacific Pte Ltd	✓	✓	✓	http://www.esis.com.sg
24	EQS Asia Pte Ltd	✓	✓		http://www.eqsasia.com/
25	Ever Safe Consultants Pte Ltd	✓	✓		http://www.eversafe.com.sg/
26	FOCUS SAFETY TECHNIQUE PTE LTD	✓	✓		enquiry@focussafety.com.sg
27	Franks Associates Management & Engineering Services	✓	✓	✓	http://franksassociates.com.sg
28	GLOBAL TECH TRAINING SOLUTIONS PTE. LTD.	✓	✓		www.gttssafety.com
29	Greencross Safety Fire And Equipment Consultants Pte Ltd	✓	✓		http://www.singaporemirror.com.sg/co_greencross.htm
30	Greensafe International Pte Ltd	✓	✓		http://www.greensafe.com.sg/
31	Hazard Evaluation & Loss Prevention Consultants	✓	✓		http://www.helpc.com.sg
32	Hong Tech Consultant Pte Ltd	✓	✓	✓	http://www.hongtech.com.sg/
33	INTERNATIONAL SAFETY RESOURCE CENTRE PTE. LTD.	✓	✓		www.isrc.com.sg
34	KBA Training Center Pte Ltd		✓		http://www.kbassociates.org
35	LEARNERS HUB PTE. LTD.	✓	✓		
36	LLOYD MCGILL PTE LTD	✓	✓		www.lloydmcgill.com
37	LTA Academy	✓	✓	✓	http://www.ltaacademy.gov.sg
38	MASS EDUCATION INSTITUTE PTE. LTD.		✓		www.mass.edu.sg
39	Neville-Clarke (Singapore) Pte Ltd	✓	✓		http://www.nevilleclarke.com/index.php
40	NQA (S'pore) Consulting	✓	✓	✓	dancare@singnet.com.sg
41	NTUC Learning Hub Pte Ltd	✓	✓	✓	http://www.ntuclearninghub.com
42	Propel Consultants Pte Ltd	✓	✓		www.propel.com.sg
43	QHS SOLUTIONS PTE. LTD.		✓		shirley@wch.com.sg
44	Quesh Consultants Pte Ltd	✓	✓		http://quesh.com.sg
45	SAS PTE LTD		✓		
46	SGS International Certification Services Singapore Pte Ltd		✓		http://www.sgs.com/risk_management_course
47	The Singapore Contractors Association Ltd	✓	✓	✓	http://www.sc2.com.sg
48	SINGAPORE FIRST AID TRAINING CENTRE PTE. LTD.		✓		www.firstaidtraining.com.sg
49	Singapore Institution of Safety Officers		✓		http://www.siso.org.sg
50	Singapore Manufacturers' Federation	✓	✓		http://www.smafederation.org.sg/
51	Singapore National Employers Federation	✓	✓		http://www.snef.org.sg
52	Spot Management Services Pte Ltd	✓	✓	✓	http://www.spot.com.sg
53	ST Electronics (E-Services) Pte Ltd	✓	✓	✓	http://www.sheq.asia
54	SQS Management Pte Ltd	✓	✓		http://www.sqs.com.sg/
55	Team-6 Safety Training & Consultancy (S) Pte Ltd	✓	✓	✓	http://www.team6safety.com
56	TITUS MANAGEMENT PRIVATE LIMITED		✓		
57	TRC CENTRE PTE. LTD.		✓		www.trccentre.com.sg
58	TUV SUD PSB LEARNING PTE. LTD.	✓	✓	✓	www.tuv-sud-psb.sg/learning
59	TÜV SÜD PSB Pte Ltd		✓		www.tuv-sud-psb.sg
60	GRACE MANAGEMENT & CONSULTANCY SERVICES PTE. LTD.		✓		
61	Click here for bizSAFE Level 3 auditors				

LIST OF APPROVED THIRD PARTY INSPECTION AGENCIES FOR LIFTING EQUIPMENT (LOCAL)

Date of Update: 14 May 2012

	Approved Agencies	Authorised Fields	Approved Signatory
1	M/s MATCOR Reliability Pte. Ltd. Effective Date : 13 Jan 2003 Expiry Date : 13 May 2014	(i) Inspection & Assessment of Mobile Cranes for Extension of Their Service Life.	1. Er. Tay Yew Huat, David 2. Er. Liam Kok Chye

Approved Agency	Australia	Austria	Brazil	Belgium	Canada	China	Czech Republic	Denmark	Finland	France	Germany	Greece	Hong Kong	Hungary	India	Indonesia	Irish Republic	Israel	Italy	Japan	Malaysia
ABSG Consulting Inc.	X		X			X									X				X	X	X
Boiler & Crane Safety Association																				X	
Bureau Veritas						X	X			X		X			X				X	X	X
Hartford Steam Boiler	X					X				X	X			X	X	X				X	X
Inspecta Sweden AB																					
Japan Boiler Association																				X	
Lloyd's Register Verification Ltd	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X
Moody International QA Services						X					X								X	X	X
ONE/TUV/BV							X				X							X			
Royal SunAlliance Engineering																	X				
TUV Nord											X										X
Societe Generale de Surveillance S.A.	X					X	X				X				X				X	X	X
TUV Rheinland Berlin-Brandenburg EVA						X					X									X	
TUV SUD Industrie Service GmbH							X				X								X		
Zurich Engineering																					

Note:

1. Only inspectors from the approved inspection agencies who are authorised by the Occupational Safety and Health Division, Ministry of Manpower, Singapore, shall carry out fabrication surveys and sign survey reports.
2. The work scope of the approved inspection agency and its authorised inspector includes:
   a)Review and approval of design calculations and drawings;
   b)Survey of the adequacy of the manufacturer's facilities;
   c)Checking of welders' qualifications and if necessary test and classify them;
   d)Verification and inspection of materials;
   e)Fabrication of surveys and welds quality checking;
   f)Review of all non-destructive examination procedures and results; and
   g)Witnessing of all tests required by the code.

Updated as of 27/06/2012

Approved Agency	Mexico	Netherlands	New Zealand	Norway	Philippines	Poland	Romania	Saudi Arabia	Slovakian Republic	South Africa	South Korea	Spain	Sweden	Switzerland	Taiwan	Thailand	Turkey	UK	USA	UAE	Vietnam
ABS Industrial Verification	X	X			X						X	X			X	X		X	X	X	
Boiler & Crane Safety Association																					
Bureau Veritas											X				X			X	X		
Hartford Steam Boiler											X				X			X	X		
Inspecta Sweden AB													X								
Japan Boiler Association																					
Lloyd's Register Verification Ltd		X				X	X			X	X	X	X	X	X	X		X	X	X	X
Moody International QA Services		X								X	X							X	X		
ONE/TUV/BV																					
Royal SunAlliance Engineering																		X			
TUV Nord																					
Societe Generale de Surveillance S.A.			X								X					X					
TUV Rheinland Berlin-Brandenburg EVA															X						
TUV SUD Industrie Service GmbH							X		X										X		
Zurich Engineering																		X			

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   d) Verification and inspection of materials;
   e) Fabrication of surveys and welds quality checking;
   f) Review of all non-destructive examination procedures and results; and
   g) Witnessing of all tests required by the code.

Updated as of 27/06/2012

MINISTRY OF MANPOWER

List of Approved Crane Contractors

Under the Workplace Safety and Health (Operation of Cranes) Regulations, no person shall install, repair, alter or dismantle a mobile crane or tower crane unless he is an Approved Crane Contractor.

Two categories of crane contractors have been approved as shown in the table below. Category I contractors are approved for the installation, alteration or dismantling of tower/mobile cranes, while Category II contractors are approved to carry out repairs of tower/mobile cranes in addition to the approval granted under Category I. Please note the scope of work for each approved category.

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
1	Access Systems Technology Pte Ltd	1. Chai Chee Tong 2. Chuah Seong Guan 3. Law Soon Tong 4. Tan Boon Khin 5. Tan Kok Heng 6. Tan Kok Ming	✓		**Comansa**: LCL200, LCL250, LC1044, LC2050, LC2060, LC2070, LC2074, 21LC210, 21LC290, 21CJ290, 21LC550, LCL500, **Comansa Jie:** 21CJ290 & 10CJ140, **Jaso:** J180PA, **Potain:** MC120, MDT192, MD220, MR225, MCR225A, MC265, MD285A, MC310K12, MR90B, MD345 & MC175B, **Wolff:** WK160B, WK180B, WK7031, WK5520, WK135EC & WK200EC,	**Comansa Jie:** 21CJ290 & 10CJ140.	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Liebherr: 160HC-L, **Yongmao:** STL230 and **Comedil:** CTL205, CTL130, CTL250, CT703, CTL100A, CTL255, CT602, CTL400A, CTL105, MCA551, MCA501 & CTT331.		
2	Aerotronic Pte. Ltd.	1. Chai Chee Hwa 2. Chin Chee Leong 3. Wong Kang Poo	✓		**Comansa**: LCL200, LCL250, LC1044, LC2050, LC2060, LC2070, LC2074, 21LC210, 21LC290, 21CJ290, 21LC550 & LCL500; **Potain:** MC120, MDT192, MD220, MR225, MCR225A, MC265, MD285A, MC310K12, MR90B, MD345 & MC175B; **Wolff:** WK160B, WK180B, WK7031, WK5520, WK135EC & WK200EC; **Comedil:** CTL205, CTL130, CTL250, CT703, CTL100A, CTL255, CT602, CTL400A, CTL105, MCA551, MCA501 & CTT331; **Jaso:** J180PA; **Liebherr:** 160HC-L; **Yongmao:** STL230 and **Comansa Jie:** 21CJ290 & 10CJ140	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
3	Alpha Machinery Pte. Ltd.	1. Gan Cheng Hoe 2. Khoo Ah Leng 3. Tan Heng Kee	✓		Not Applicable	**Jaso:** J90LDR, J125, J300, J138PA & J180LPA, **DKT:** DT312-12, **Comansa**: Comansa Jie 21 CJ290 18t and **Useter:** UTT 360-18 and all model for UTT & JT Series	Converted to Lifelong
4	Al Jaber Heavy Lift & Transport Pte Ltd	1. Leonido Alferez Edvane 2. Thailoth Narayanan Nair Venu		✓	**Terex Demag:** CC8800-1 Twin, CC8800-1, CC2800-1, CC2500-1, CC2400-1. AC500-1, AC250 & AC120, **Liebherr:** LR1750, **Hitachi Sumitomo:** SCX2800, SCX2500, SCX150, SCX700 & SCX900, **Tadaono Faun:** ATF160G-5, ATF110G-5 & GR700-EX, **Grove:** RT650 and **Manitowoc:** M14000.	Not Applicable	13 Jun 2013
5	Aly Energy Singapore Pte Ltd	1. Ong Lian Heng 2. Yeo Keng Kim		✓	**Sennebogen:** 2200, 3300, 4400, 5500 & 7700 and **Kobelco:** 7055, 7065, 7080, 7120, 7150, 7250, CKE600, CKE700, CKE800, CKE900, CKE1800 & CKE 2500.	**Sennebogen:** 2200, 3300, 4400, 5500 & 7700.	18 Jan 2014

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
6	American Equipment Services Pte Ltd	1. Lim Kia Ann 2. Che Siong Yin 3. Ho Nean Hong 4. Pang Hwee Kin		✓	Not Applicable	**American Hoist Crawler:** 597C, 5299, 5300, 7220, 7260, 998C, 999C, 9260, 9280, 9299, 9310 & 11320, **American Hoist Truck:** 7450, 8460, **American Hoist Pedestal:** 5720, 5750, 9720, 9750 & 11250 **American Crawler:** 9310A. **AmClyde:** AmClyde Revolver Cranes, AmClyde Unit Cranes, AmClyde MSB (Marine Siew Bearing) Cranes & AmClyde KP (King Post) Cranes	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
7	Andrew Machinery & Trading Pte Ltd	1. Lim Swee Cheng 2. Lim Choo Seng 3. Lee Yap Seng		✓	**Kobelco:** 7035, 7045, 7055, 7065, 7070, 7080, 7100, 7150, 7250, 7300, BM500, BM600, BM700, BM800, BM900, BM1000, BM1600, CKE800, CKE1200, CKE1350, CKE2500, 100P, 120P & 130P, **Sumitomo:** LS118-5, LS120-5, LS138-5, LS218-5, LS238-5, LS248-5, LS368-5, LS528S, LS418S, LS518S, LS118RM, LS568HD, LS458HD, LS468HD, SC500, SC650, SC700-2, SC700DD, SC800-2, SC1000, SC1500, SC2000, SC2500 & SCX2800, **Hitachi:** KH125-3, KH150-3, KH180-3, KH300-3, KH500-3, KH850-3, KH900, KH1000, KH250HD, CX500, CX650 & CX1000, **IHI:** CCH400, CCH500, CCH700, CCH800, CCH1000, CCH1500, CCH2000, CCH2500, CCH2800, K1000, DCH800, DCH1000 & DCH1500,	Not Applicable	25 May 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Nisha: DHP80, DH608, DH500-5, DHP70, DH650 & DH1500, Fushun: QUY50C, QUY80C, QUY100A, QUY120Y, QUY150C & QUY350, **Sany:** SCC500D, SCC800C, SCC1000 & SCC2500, **Manitowoc:** 2900, 3900, 4000, 4100, 4600 & M80W, **American hoist:** 7260, 9270, 9250, 9299, 999 & 9310, **Koehring/NCK:** K1000-3, 1495, C54, C75 & C110 and **Ruston Bucyrus:** 38RB, SC550, B5160, R65 & 65D.		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
8	Antar Cranes Services Pte Ltd	1. Chia Kok Foo 2. Goh Puay Hin 3. Lim Hock Hin 4. Teo Chwee Sem 5. Tey Kok Ming 6. Yap Kean Hong		✓	**Sumitomo:** LS78RM, LS78RH-5, LS118RH-5, LS120RH-5, LS120RH-D, LS138RH-5, LS218RH-5, LS238RH-5, LS248RH-5, SC500, SC500-2, SC650-2, SC700-2, SC700DD, SC800, SC800-2, SC900-3, SC1000, SC1000-2, SC1500, SC1500-2, SC2000, SC2500, SCX2000-3, SCX2500-3 & SCX2800-3, **Kobelco:** 7035, 7045, 7055, 7055-2, 7065, 7065-2, 7070, 7080, 7080-2, 7100, 7210-1F, 7150, 7250-2, 5170, 5170-2, FS90, CKE700-1F, CKE800, CKE1350, CKE1800-1F, CKE2500, BM500, BM600, BM700, BM800HD-2F & BM900HD-2, **QUY:** QUY50 & QUY70, **IHI:** CCH500, CCH1500, CCH2000, CCH2500 & CCH2800 and **Hitachi:** KH180-3, KH230-3, KH300-3, KH250HD, KH500-3, CX500, CX550 & CX650.	Not Applicable	01 Feb 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
9	Antara Koh Pte Ltd	1. Lee Ming Keong 2. Mohamad Dahlan Bin Marollah		✓	Not Applicable	**IHI:** CCH350, CCH400, CCH500, CCH1500-3, CCH2000 & CCH800-2.	01 Mar 2013
10	Arcomet Asia Pte Ltd (Formally known as Y & P Marketing Pte Ltd)	1. Choh Kwee Tiong 2. Choo Kok Chuan 3. Tan Lep Seng 4. Tin Chee Ming	✓		**Comedil:** CTL100, CTL130, CTL140-10, CTL180-16, CTL200, CTL205, CTL250, CTL260,CTL260-18, CTL260-18, CTL340-24, CTL400, CTL50, CTT331-12, CCT331-16, CCT331-20, CT703, CTT181, CTT561, CDK83 & CTL630-32, **Comansa:** LC1044, LC2070, LCL200, LCL250 & CJ290, **Potain:** MD125, MD175, MD185, MD235, MD285, MD345, MDT195, MDT302, MR90, MR150, MR220, MC120, MC180, MC265, MC310, MR225 & MCR225, **Jaso:** J125, J138PA, J175, J180PA & J240, **Kroll:** K100L, K125L, K200, K250 & K400, **Yongmao:** STT293 & STL230 and **Raimondi:** LR60.	**Comedil:** CTL100, CTL130, CTL140-10, CTL180-16, CTL200, CTL205, CTL250, CTL260,CTL260-18, CTL260-18, CTL340-24, CTL400, CTL50, CTT331-12, CCT331-16, CCT331-20, CT703, CTT181, CTT561, CDK83 & CTL630-32	02 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
11	Asiagroup Leasing Pte Ltd	1. Tan Lian Teck 2. Shanmuganathan A/L Balakrishnan 3. Yap Peng Chunn 4. Toh Seong Peng 5. Ganesan Dhanapal 6. Nalliah Gopal		✓	**Liebherr:** LTM1200, LTM1500, LTM1400, LTM1080, LTM1120, LTM1160 & LTM1170, **Demag:** AC80, AC160, AC200, AC205, AC250, AC265, AC435, AC535 & AC1600, **Tadano:** TR80, TR250, TR350 & TR500, **Kato:** NK200, NK500, NK1600, SS500, SR250, MR100 & MR220, **Sumitomo:** SA800, SA1000, SA1100, SA1200, SC800, SC500, LS118, LS218, LS238 & LS248, **Manitowoc:** M12000 **IHI:** CCH 1000 **Hitachi:** KH1000 & KH500 **Kobelco:** RK450, RK250, 7250, CKE 2500, 7150, 5170, CKE 1800, 7080, 7055 & 7045.	Not Applicable	01 Mar 2013
12	ASL Shipyard Pte Ltd	1. Lim Teck Leong 2. Abdul Rahman Bin M Sairi		✓	**IHI:** CCH500, CCH1500E & CCH2000, **Sumitomo:** LS-218 & LS248 RH-5, Kobleco: 7150 & 7065, Kato: KR-50H-L & SL-600, **Manitowoc:** 999 and **Marine Travelift:** 800CMO.	Not Applicable	01 Mar 2013
13	Bachy Soletanche Singapore Pte Ltd	1. Ang Hian Tit 2. Chia Way Keong 3. Koh Tian Hock 4. Ong Kim Hai		✓	Not Applicable	**Liebherr**: HS 845, 852, 855, 872, 873, 882 and 883.	25 May 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
14	Bauer Technologies Far East Pte Ltd	1. Lim Tian Sze 2. Choong Kam Wah 3. MD Mosharaf Hossain Late Anwar Hossain		✓	**Bauer Trench Cutter System:** Bauer BC30 on BS6100, BC on HS885, BC32/40 on MC64 & BC40 on MC96 and Bauer **Hydraulic Grab System:** GB on MC32 & GB on MC64.	All models of Bauer Mobile Cranes	Converted to Lifelong
15	Beng Huat Crane Pte Ltd	1. Lim Hock Guan 2. Peh Choun Siew 3. Peck Teck Siong		✓	**Kobelco:** RK350 & RK160-2, **Kato:** SS500 (KR45H-V), NK 500E-III, KA1200(120T), NK 500E(50.5T), NK 250-V.2, KR25H-V, KR25H-V3 & KR25H-IIIL, **Tadano:** TR250M-V(25T), TG500 E.3(50T) & TG500 E-1(55-T), **XCMG:** QY50K(50T) & QY25K5(25T) and **DEMAG:** AC250-1(250T).	Not Applicable	01 Feb 2013
16	Beng Soon Machinery Services (S) Pte Ltd	1. Ramasamy Kandasamy 2. Khoo Leng Kong		✓	**Kobelco:** 7250-2F, CKE1350-1F, BM500, CKE1800-1F & 7250-2F, **Kato KR25H-VS:** SS-500S, **Kato KR45H-VS:** SS-500S, **Kato:** SR-700L, **P&H:** 5170, **Sumitomo:** LS78RS, LS108BS, LS118RH-5, LS238RH-5, LS248RH, LS368RH-5 & SC2500 and **Tadano:** TR200M, TR350M & GR-700EX.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
17	Blue Star Crane Service Pte Ltd	1. Lim Yew Siong 2. Lim Joo Sin		✓	**Kato**: KR25H-111, KR25H-V2, KR25HV(SR250), KR45HV (SS500), KR35H-V(SS350), KR35H-V2(SS350SP) & KR-50H (SS500SP), NK1600, NK160BV, NK200H-V, NK250EV, NK300EV,NK450BV, NK500BV & NK500E-111; **Tadano**: TL200M, TL200M3, TL250M, TG500E-3, TG500E, TG500E-2, TG700E, TL250E-3, TL300E, TR250M, TR350M, TR400M & TR500M; **Kobelco**: 7055-2, & 7065; **Kobelco(P&H)**: T200-11; **HITACHI**: KH180-3, KH300-2; and **XCMG**: QY20B, QY25K5 & QY70K.	Not Applicable	Converted to Lifelong
18	Bok Seng Logistics Pte Ltd	1. Chew Swee Heng 2. Ku Guan Kiat 3. Lim Hock Chye 4. Ng Wee Tat 5. Sai Kim Foo		✓	**Kato:** NK500, **Liebherr:** LTM1100/2, LTM1200/1 & LTM1500 and **Kobelco:** 7250-2F, SL6000 & RK500.	Not Applicable	20 Feb 2014
19	Bok Yong Crane Transport Service	1. Loo Ing Tee 2. Loo Chee Teong		✓	**XCMG:** QY50K & QY70K-I, **Kato:** NK500E-III, **Tadano:** TG700E and **Grove:** AT9120..	Not Applicable	01 Feb 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
20	Buildmart Industries Pte Ltd	1. Abu Bakar Bin Halipah 2. Dontharaveni Shekar 3. Koh Leong Khoon 4. Lim Tian See, James 5. Lian Chin Chye, Patrick 6. Sim Wei Kian	✓		Not Applicable	**Kroll:** K154, K200D/K250D, K260E, K320 & K400D Hammerhead crane and **Kroll:** K60LR, K100L & K125L Luffing crane.	01 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
21	Capital Cranes Global Pte.Ltd.	1. Heng Yong Hong 2. Ng Hock Chuan	✓		**Comansa:** LCL200, LCL250, 21LC210, 21LC290, 21CJ290, 21LC550 & LCL500; **Comedil:** CTL140, CTL180, CTL260, CTL340, CTL400A, CTL430, CTL630, CTT181, CTT321, CTT331, CTT561, CTT721 & CDK83-12; **DKT:** DT312-12; **Jaso:** J90LDR, J125, J300, J318PA & J180LPA; **Kroll:** K60LR, K100L, K125L, K154, K200D/K250D, K260E, K320 & K400D; **Potain:** MC85B, MC115B, MC175B, MC205B, MC235, MC310K12, MCR225A, MD345, MDT192, MDT302, MDT308, MR90, MR90B, MR90C, MR150, MR160B, MR160C, MR220, MR225; **Raimondi:** LR60; **Useter:** UTL146, UTL320, JL516 & UTT360; **Yongmao:** STL180, STL230-18, STT153 & STT293	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
22	Catermas Engineering Pte Ltd	3. Tan Nak Yong 4. Abu Hassan 5. Tan Puay Choon		✓	**Manitowoc:** 3900, 4000, 4100, 4600, 8500, 12000, 14000, 16000, 2250, 555, 777, 888 & 999, **Kobelco**: CKE700, 800, 900, 1100, 1350, 1800, 2500, 4000, 7070, 7080, 7090, 7100, 7120, 7150, 7200, 7250, 7300, 7450, SL4500 & 6000, **Sumitomo**: SCX700, 800, 900, 1200, 1500, 2000, 2500, 2800, SC650, 700, 800, 900, 1000, 1200, 1500, 2000, 2500, SC1000HD & 2000HD and **IHI**: CCH800, 1000, 1200, 1500, 1800, 2000, 2500, 2800, 3000, DCH800, 1000, 1500 & 2000.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
23	Chanyip Equipment Services	1. Chan Kum Sung 2. Chan Chee Kiong 3. Chan Kum Fatt		✓	**Kobelco:** 5080, 5100, 5170, 7035, 7045, 7050, 7055, 7065, 7070, 7080, 7090, 7100, 7120, 7150, 7200, 7250, 7300, 7450, BM500, BM600, BM700, BM800, BM900, BM1000, BM1200, BM1600, CKE550, CKE600, CKE700, CKE800, CKE850, CKE900, CKE1000, CKE1100, CKE1350, CKE1600, CKE1800, CKE2500, FS80, FS90, FS100, SK100CR, MK500, MK700, TK350, TK450, TK550 & TK750, **Hitachi:** KH150, KH180, KH230, KH250, KH300, KH500, KH700, KH850, KH1000, SCX300, SCX400, SCX500, SCX550, SCX700, SCX800, SCX900, SCX1200, SCX1500, SCX2000, SCX2300, SCX2800, CX350, CX400, CX500, CX550, CX650, CX700, CX800, CX900, CX1000, CX1100, CX1200, CX1800, CX2000 & CX2500, **Sany:** SCC500, SCC800, SCC900, SCC1000C, SCC1500C, SCC2000 & SCC2500, **Sumitomo:** LS108RH, (continue on next page)	Not Applicable	11 Feb 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					LR118RH/RM, LS120RH, LS128RH, LS138RH, LS218RH, LS238RH, LS248RH, LS268RH, LS408J, LS518J, LS528J, SC350, SC400, SC500, SC550, SC650, SC700, SC800, SC900, SC1000, SC1200, SC1500, SC1800, SC2000, SCX300, SCX400, SCX500, SCX550, SCX700, SCX900, SCX1000, SCX1200, SCX1500, SCX2500, SCX2800, SA800, SA1000, SA1100 & SA1700, **QUY:** QUY35, QUY50, QUY70, QUY80, QUY100, QUY120, QUY150, QUY220, QUY260, QUY300, QY25K, QY30K, QY40K, QY50K, QY60K, QY70K, QY80K & QY100K, **IHI:** CCH400, CCH500, CCH650, CCH700, CCH800, CCH900, CCH1000, CCH1200, CCH1500, CCH1800, CCH2000, CCH2500, CCH2800, CCH50T, CCH300T, CCH500T, DCH650, DCH800, DCH900, DCH1000, DCH1500, DCH1800, DCH2000 & DCH2500, (continue on next page)		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Kato: KR25H, KR45H, SR250, NK160C, NK400E & NK500E, **Nissha (Nippon Sharyo):** DH400, DH408, DH500, DH558, DH608, DH650, DH658, DH700, DH800, DH900, DH1000 & DH1500, **Liebherr:** HS825HD, HS835HD, HS845HD, HS855HD, HS875HD, HS885HD, HS895HD, LTM1080, LTM1090, LR1110 & LR1130, **American:** HC80, HC110 & HC165, **Manitowoc:** 222, 555, 3900, 4000, 4100, 8000, 8500 & 10000, **Tadano:** TG500E, TG500M, TG600M, TG700E, TG750E, GT550E, TR600EXL, TR250M, GR500N & GR700N, **Komatsu:** LW250M and **Sennebogen:** 673 & 683.		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
24	CS Construction & Geotechnic Pte Ltd	1. Chong Chin Chon 2. Liang Ban Seng 3. Leong Yow Meng 4. Junifer M Montoya 5. Kunchitapatham Sunthar 6. Lim Nam Tee 7. Mohd Asari Bin Saat 8. Loh Teck Khim 9. Ibrahim Bin Hamdan		✓	**Sumitomo:** SC500M & LS78RH5, **IHI:** DCH900, **Kobo P&H:** 5045, 75P60C & 80/85P-60C, **Kobleco:** 7035, 7055 & 80P, **Hitachi:** PD100, **Kato:** Rough Terrain Crane KR25H-IIIL, **Nissha:** D308, D408 & DH508, **P&H:** 75P, 80P & 85P, **RB:** CH50HDP, **DHP:** 70 & 80, **Jack In-Machine:** J11-400T, J12-800T, J13-800T, J14-420T, J15-240T & J16-400T.	Not Applicable	10 Apr 2013
25	CS Bored Pile System Pte Ltd	1. Abdul Motaleb Abdul Whab 2. Ahmed Sharif Abdul Hamid 3. Anisur Rahman Younus Ali 4. Asad Late Ayub Ali 5. Chan Kow 6. Chan Sin Kiong 7. Chia Hon Wee 8. Md Jamal Md Asmat Ali 9. Montoya Jonel Miranda 10. Ong Jik Lim 11. Soh Soon Teck, Eric		✓	**IHI**: DCH800 & DCH900; **Sumitomo**: SC500M & LS218RH; **Linkbelt**: LS218H; **Bucyrus Erie**: BE65D; **Ruston-Bucyrus**: 38-RBII; **Koehring**: K1000; **Kobelco**: BM800, 7055, 7065 & 7080; **Hitachi**: KH230-3 and **Hitachi-Sumitomo**: SCX700 & SCX900-2.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
26	Chung Hwa Engineering Construction Pte Ltd	1. Marzuki Bin Haji Taib 2. Kam Kwong Loy 3. Mohd Bin Abdul Hamid 4. Wong Tiong Meng		✓	**IHI:** DCH800-80T, **Fuwa:** FCC80B-80T, **Sumitomo:** SC500-50T **Hitachi:** KH180-3-50T & KH150-3-40T, **Kobelco:** 7045-45T, 7055-55T & BM500-50T and **Nihon Sharyo:** NTC48-4.8T.	Not Applicable	Converted to Lifelong
27	Crane World Asia Pte. Ltd.	1. Leong Chee Kin 2. Poon Kok Meng 3. Zhang Lixin 4. Chin Thiam Soon	✓		Not Applicable	**Terex Comedil:** CDK83-12, CTL430-24 HD23, CTL140-10 H20, CTL260-18 H20, CTL180-16 H20, CTT331-16 HD23, CTT331-16 H20, CTT721-40 HD23 & CTT321-16 H20.	08 Feb 2014
28	Drydocks World - Singapore Pte. Ltd.	1. Karuppiah Thiyagarayan 2. Kwek Hock Beng		✓	**Sumitomo**: LS248RHS-5 & LS138RH-5; **Kobelco**: BM700 & 7150; and **Sany** : 250 ton.	Not Applicable	Converted to Lifelong
29	Empire Technology Pte Ltd	1. Lam See Thong 2. Chong Sow San 3. Wong Tiam Loi 4. Cheng Keng Heng	✓		**Potain:** K30/30C, MC310K12, MC310K16, MCR225A, MR90B, MC235B, MC205B, MC175B, MC265, MC180, MC120, MC80, MD155, MD160, E1/13B, G20/15C, F20/26C & H20/14C.	**Potain:** K30/30C, MC310K12, MC310K16, MCR225A, MR90B, MC235B, MC205B, MC175B, MC265, MC180, MC120, MC80, MD155, MD160, E1/13B, G20/15C, F20/26C & H20/14C.	21 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
30	Eng Khoon Crane Pte Ltd	1. Koh Wah Hui 2. Ngo Wah Seng		✓	**Kato**: NK-1600, NK-250-V, NK-300E-V, NK-500E-III & NK-1200; **P&H**: T200 & T250M; **IHI**: CCH500-3III & CCH650; and **Tadano**: TG-500E;	Not Applicable	Converted to Lifelong
31	Erect Group (Singapore) Pte. Ltd.	1. Lee Khoon Fook 2. Wong Hoong Lee	✓		**Fushun Yongmao**: All Stt Series & Stl Series; **Deutsche Kran Technik**: Dkt Dt312-16; **Favelle Favco**: M60r, Mk140, M120rx & M180d; **Wolffkran**: Wolff 30a	Not Applicable	Converted to Lifelong
32	E2 Engineering Pte Ltd	1. Chan Weng Wah, Edmond 2. Lee Yet Seng	✓		**Terex-Comedi:** CTT321-16 H20, CTT 51-2.5, CTT 61-2.5, CTT 71-5, CTT 91-2.5, CTT 91-5, CTT 121-6, CTT 141-6, CTT 161-8, CTT 181-8 & CTT 331-16; CTL430-24-HD23, CTL 50, CTL 100, CTL 130, CTL 140, CTL 180, CTL 200, CTL205, CTL260, CTL 340 & CTL 400	**Terex-Comedi:** CTT321-16 H20, CTT 51-2.5, CTT 61-2.5, CTT 71-5, CTT 91-2.5, CTT 91-5, CTT 121-6, CTT 141-6, CTT 161-8, CTT 181-8 & CTT 331-16; CTL430-24-HD23, CTL 50, CTL 100, CTL 130, CTL 140, CTL 180, CTL 200, CTL205, CTL260, CTL 340 & CTL 400	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
33	Fascon Machinery Pte Ltd	1. Liau Soon Yap 2. Lim Kuan Tee 3. Hoe Hai Meng	✓		**BPR**: GT 215, GT 431 C3, GT 229 C3, GT 431 B, GT 229 B & GT 2245 A, **COMEDIL**: CT 602, CT 603, CT 651, CT 703, CTL 100, CTL 105, CTL 130, CTL 200, CTL 202, CTL 205, CTL 250, CTL 250A/16, CTL 225/A & CTL 141/8, CTT331-16H20, CTL180-16H16 & CTL-24HD23; **COMANSA**: LC 1040, LC 1044, LC 2050, LC 2060, LC 2070, LC 2074, LC 8552, LC 8652, LC L200 & LC L250, JIE21CJ290 & JIE10CJ140; **LIEBHERR**: 180 EC-B10, POTAIN: E1/13B, E2/23A, E2/18, F2/23B, F3/21, F3/29, F3/29B, F3/29B1, F25/26C, G3/28B, G3/33B, G20/15C, G25/15C, H3/36B, H4/33A, H4/36B, H25/14C, H30/30C, H30/40C, K3/59B, K4/56C, K30/30C, MC120, MC265, MC 175A, MC 175B, MC310K12, MR220, MD 500, MR 150, MR225, MCR225,MR90B, MR90B, MR90C &MC85B; **JASO**: J125,J175,J240, J300 & J180PA **Wolff**:WK160B, K180B,WK7031,WK5520,K135EC & WK200EC and **YongMao**: STL230 & STT293.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
34	FES Engineering Pte Ltd	1. Tan Heng Kee 2. Heng Yong Hong	✓		**Potain:** MD125, MD175, MD185, MD235, MD285, MD345, MDT195, MDT302, MR90, MR150, MR220, MC120, MC180, MC265 & MC310, **Comedil:** CTT181, CTT331, CT561, CTL100, CTL140, CTL180, CTL260, CTL340, CTL400 & CDK83, **Comansa:** LCL200, LCL250 & CJ290, **Jaso:** J125, J138PA, J175, J180PA & J240, **Kroll:** K100L, K125L, K200, K250 & K400 and **Raimondi:** LR60.	Not Applicable	01 Feb 2013
35	Foundation Alliance Pte Ltd	1. Chayakorn Junlapruk 2. Lim Pit Kong 3. Mohammed Ali Asgor Mohammed Nur Hossain 4. Monsur Mohammed Tariq Miah 5. Sajib Maiz Uddin 6. Tan Tarn Chye		✓	**Sumitomo**: SC650; **Kobelco**: 7065, BM800HD-2F & BM900HD-2; **Bauer**: BG 28 & BG 36 and **Soilmec**: R-16 & R-618	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
36	Franklin Offshore International Pte Ltd	1. Ong Ting Hock 2. Hon Chyan Cheng 3. Holip Bin Sarbini		✓	**American Hoist:** 9299 and **American:** 9310A.	Not Applicable	07 Jan 2013
37	Front Pal Engineering Pte Ltd	1. Lee Wee Keong 2. Wong Hansen	✓		**Jost:** JTL108, JTL208, JL246, JL316, JL416, JL616, JT302, JT412, JT512 & JT612, **Jaso:** J138PA, J180PA, J90LRD, J125, J175, J240 & JT300, **Comedil:** CTL140, CTL180, CTL250, CTL400 & CTT331, **BKT:** BN105, BN205, BK192, BK222 & BK302, **Comansa:** LCL500, LC1044, LC2060, LC2070, LC400, 21CJ140 & 21CJ290, **Potain:** MR90, MCR225A, K30/30C, MR115 & MC310K12, **YongMao:** STT293 and **DKT:** DKT312.	**Jost:** JTL108, JTL208, JL246, JL316, JL416, JL616, JT302, JT412, JT512 & JT612.	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
38	Gammon Pte. Limited	1. Karuppiah Kurunthu 2. Mohd Rashid Bin Abdullah 3. Ng Len Po 4. Sirai Anak Lanhap		✓	**Kobelco:** BM 800 & 1200; **Sumitomo:** SCX900-2; and **Lieberr:** HS 855 HD.	Not applicable	11 Oct 2012
39	Guan Chuan Engineering Construction Pte Ltd	1. Ho Kok Hwa 2. Chia Mong Seng		✓	**IHI:** CCH500-3, **Kobelco: 7055**-2 and **QUY:** 50.	Not Applicable	01 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
40	Haruki Machinery Pte. Ltd.	1. Lim Boon Chye Wilson 2. Tan Eng Cheng		✓	**Sany:** SCC50, SCC280, SCC500, SCC800, SCC1250, SCC1500, SCC1800, SCC2000, & SCC3200; **Sumitomo:** LS118RH, LS138RH, LS238RH, SC500, SC800 & SC1000; **IHI:** CCH500, CCH800, CCH1000 & CCH1500; and **Kobelco:** 7035, 7045, 7055, 7065, 5100, 7080, 7100, 7200, 7250, FS90, BM500, BM600, BM700, BM800, BM900, BM700HD, CKE700, CKE800, CKE900, CKE1800 & CKE2500	Not Applicable	Converted to Lifelong
41	Hiap Heng Heavyequipment Co Pte Ltd	1. Lee Ah Tong 2. Ong Boon Chuan		✓	**Tadano:** TG1000R, TG500E, TR500M, GT550E, TR250M, GR550EX & GR700EX, **Kato:** KR25H-V & SR250, **Liebherr:** LTM1160, **Faun:** ATF110G-5, ATF160G-5 & ATF220G-5 and **Sumitomo:** SC50 & SC500.	Not Applicable	Converted to Lifelong
42	Hiap Seng Engineering Ltd	1. Wong Ah Kit 2. Lim Yeow Boo 3. Hew Fook Chan		✓	**Kobelco:** CKE1350-1F.	Not Applicable	25 May 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
43	Hiap Seng Piling Construction Pte Ltd	1. Ong Hai Cheow 2. Toh Kian Sin		✓	**Kobelco:** BM500, BM600. BM700, 7045, 7055, 7065, 7080 & 7150, **Sumitomo:** SC500-2, SC550-2, SC650 & SC700, **Hitachi:** KH180-2 & CX500, **IHI:** CCH650, **Kato:** SR250 & SS-500SP-V, **Tadano:** GR550EX-1 and **XCMG:** QY25K5 & QUY80.	Not Applicable	Converted to Lifelong
44	Hiap Tong Crane & Transport Pte Ltd	1. Teo Song Chong 2. Sukhmunder Singh 3. Lim Tong Lai 4. Maksud Alam Omar Ali Kazi 5. Rusman Bin Osman		✓	**Liebherr:** LTM1030-2.1, LTM1100-4.1, LTM1100-5.1, LTM11200-9.1, LTM1200, LTM1200-5.1, LTM1800, MK100 **XCMG:** QY50K **Tadano:** TG500E, GT550E, ATF100-5, ATF100G-5, ATF160G-5, GR700EXL **Kato:** NK500E, NK500VR, 1000, MR10, SS500, KR35 **Grove:** GMK6220, GMK5220, RT890, RT9130 **Demag:** AC1300, AC700, AC250-1, AC265 **Sumitomo:** SA1100, SA1200, SA1700, **Sany:** SCC550 & SCC800C.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
45	Ho Lee Machinery Pte Ltd	1. Chee Siong Loong 2. Chen Guang Long 3. Hoe Teck Hing 4. Lai Chon Kee 5. Ong Hock Chye, Rodney 6. Tan Yeow Chim 7. Liyu Teck Huei 8. Low Wee Liong 9. Shanmugam Arumugam 10. Lai Fong Kee	✓		**Potain**: MC265, MC310K12, MR90B, MCR225, K30/30C, K4/56C & MC205B, **Liebherr:** 280ECH, 280ECB, 160HCL & 355HCL, **Comansa:** LC2074 & LCL190, **Comansa Jie:** 21CJ290 & 10CJ140 and **YongMao:** STT293 & STL230.	Not Applicable	Converted to Lifelong
46	HSL Ground Engineering Pte. Ltd.	1. Pachaiammal Venkatachalam Baalakannan 2. Rajamanickam Arulraj Jayakumar		✓	**Kobelco:** 7055-2, SKE700-1F	Not Applicable	06 Mar 2014

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
47	Huationg Inland Transport Service Pte Ltd	1. Chong Kit Ming 2. Khor Tin Fa 3. Lee Hee Tow 4. Mohammed Zaini Bin Samat		✓	**Sumitomo:** LS108, LS120, LS138RH5, LS248RH5, LS268RH5, LS118RH5, LS238RH5, SC500. SC550, SC650, SC700, SC800, SC800DD, SC1000, SC1000DD & SA1100; **Hitachi Sumitomo:** SCX900, SCX1200, SCX1500 & SCX2500; **Kobelco:** BM500, BM600, BM700, BM800, BM800HD, BM900HD, BM1000, BM1200, BM1600, 7035, 7045, 7050, 7065, 7070, 7080, 7080-2, 7090, 7100, 7120, 7150, 7200-2, 7250-2F, 7300, 7450, 7650, 7800, SL4500, SL6000, SL13000, CKE700, CKE800, CKE900, CKE1350, CKE1800, CKE2500 & BME750HD; **IHI:** CCH500, CCH650, CCH800, CCH1000, CCH1500 & CCH2800; **Hitachi:** KH180, KH300, CX500, CX700, KH500, KH1000, KH230 & KH150; **Sany:** SCC500, SCC800, SCC1000, SCC1500, SCC2000, SCC2500 & SCC4000; **Soilmec:** SR-90;	Not Applicable	21 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Fushun: QUY50A, QUY55A & QUY80A; **Kato:** KR10(MR10), KR25, KR45, SR250, SS500, NK500, NK800, NK1000 & NK1600; **Liehberr:** LTM1080, LTM1100, LTM1200 LTM1300, LTM1400 & LTM1500; and **Demag:** AC205, AC265, AC395, AC435, AC615 & AC200.		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
48	Huationg (Asia) Pte. Ltd.	1. Loganathan A/L Ramasami 2. Thongsrilueng Naret		✓	**Liebherr:** LTM1500, LTM1400, LTM1200, LTM1160, LTM1100 & LTM1080; **Demag:** AC1300, AC615, AC 535, AC435, AC395, AC265, AC250, AC55, AC60 & AC40; **Tadano:** AR1000; Kato: KR10(MR10), KR25, KR45, SR250, SS500, NK500, NK800, NK1000 & NK1600; **Fushun:** QY50A, QY55A & QY80A; **Kobelco:** 5035, 5080, 5100, 880s, 7055, 7065, 7080, 7100, 7150, 7200, 7250, BM500, BM600, BM700, BM800, CKE1350, CKE1800, CKE2500 & RK250; **Sumitomo:** LS118RH5, LS218HR5, LS238RHS, SC500, SC700, SC800, SC1000, SC1000DD & SA1100; **Hitachi:** KH180, KH300, CX500 & CX700; **IHI:** CCH500, CCH650, CCH800 & CCH1500; **Hitachi Sumitomo:** SCX1500; and **Sany:** SCC500, SCC800, SCC1000, SCC1500, SCC2000, SCC1500 & SCC4000.	Not Applicable	09 Dec 2012

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
49	Hup Hin Transport Company Pte Ltd	1. Woon Wee Peng 2. Neo Lai Heng		✓	**XCMG:** QY20D, **Kato:** NK-500-E, KR10H, KR50H, KR25H-V, KR25HV2/SR250SP, KR35H-V, KR45H-VS & KR50, **TAO:** TC304HAL, **Kobelco:** LC755-2 and **Tanado:** ATF110G-5, ATF160G-5, ATF220G-5, AR1200M-1 & AR2000M-2.	Not Applicable	21 Mar 2013
50	Hup Leck Heavy Equipment Services Pte Ltd	1. Thng Kian Tong 2. Tan Eng Lai 3. Leow Boon Tiam 4. Thng Wei Hong		✓	**Demag:** AC205, AC395, AC435 & AC1300, **Changjiang:** QY25S, LT1025 & LT1050 and **Puyuan:** QY50H	**Puyuan**: QY50H	17 Aug 2013
51	Hwee Guan Pte. Ltd.	1. Yap Chin Chye 2. Yap Chin Guan		✓	**Tadona:** TG-500E & TG-500E-3, **XUZHOU:** QY25B & QY50K and **Kato:** NK-500EV & NK-500E-V.	Not Applicable	Converted to Lifelong
52	J Lim Piling Pte Ltd	1. Ng Woon Sin Jayson 2. Shanmugasundaram Muthuraman 3. Vadivel Jayakumar		✓	**Hitachi:** KH150-1, KH150-3, KH180-3 ; **Sumitomo:** SC800 ; **Kobelco:** 7045, 7055, 7065, BM500 ; P&H: 880S, 5080 ; **SANY:** SCC500, SCC800	Not Applicable	Converted to Lifelong
53	JF Foundation Pte. Ltd.	4. Tey Choon Chee 5. Wong Kan Sen		✓	**Sumitomo:** SC650, SC550 & SC350 and **Kobelco:** BM500.	Not Applicable	08 Dec 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
54	Jian Man Construction Pte Ltd	1. Loke You Fatt 2. Tan Lee Chuan 3. Che Mamat Fauzi Bni Che Ibrahim		✓	**Kobelco:** BM500, 7035, 7045 & 7055 **Hitachi:** CX500 and **Sumitomo:** Pax SC700-2 & Link-Belt LS-78RM.	Not Applicable	Converted to Lifelong
55	JP Nelson Equipment Pte Ltd	1. Wong Chon Cheong 2. Teh Teong Chun 3. Kua Ping Look		✓	**Sumitomo:** SC400-2, SC500-2, SC550D-2, SC650-3, SC700-2, SC800-2, SC900-3, LS108RH-5, LS118RH-5, LS118RM, LS418J, LS78RHD-5, LS218RH-5 & LS238RH-5, **Hitachi Sumitomo:** SCX1500-2 & SCX2800-2, **Hitachi:** KH100-2, KH150-3, KH180-3, KH230-3, KH300-3, KH500-3, KH850-3, KH1000, PD100 & CX900, **Kobelco:** 5035, 5045, 7035, 7045, BM500, 7055, 7065, 7080, 7100, 7120, 7150, 7250-2F, CKE800, CKE1350, CKE1800-1F & CKE2500-2F, **Manitowoc:** 8500, 12000 & 16000 and **Maeda:** MC-104, MC-174, MC-235, MC-285, MC-305, MC-405, LC785, LC1385, LC383 & CC505.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
56	Jurong Engineering Limited	1. Ng Chan Fatt 2. Suppiah Jayagopalan 3. Velu Naidu Raghavan Naidu		✓	**IHI:** CCH3000, CCH2500, CCH1500E, CCH500	Not Applicable	Converted to Lifelong
57	Jurong Shipyard Pte Ltd	1. Abdul Majid Bin Sahid 2. Chen Xing Jie	✓		Not Applicable	**IHI:** LM-02243J, LM-05824A, LM-09597C, LM01764P, LM-02729J, LM-02013V, LM-01210E, LM-16961N, LM-020280A, LM-05825J, LM-16885K, LM-10012A, LM-04850E, LM-02730L, LM-06291K, LM-02813E, LM-02444X, LM090057L, LM090056E & LM090055A; **ZPMC:** LM-51489K, LM-66998C, LM-67050C, LM-73203E & LM-72997A; and **MAN:** LM-51439C, LM-52757N & LM-52563L	Converted to Lifelong
58	Koh Brothers Building & Civil Engineering Contractor (Pte) Ltd	1. Koh Keng Seng 2. Koo Yoon Choy 3. Kyaw Kyaw Lwin		✓	**Hitachi Sumitomo:** SC1500-2, **Kobelco:** 7120-1F, CKE800-1F, 7080, 7055, BM600 & BM700, **IHI:** CCH500, **Kato:** NK300E-V, **FUWA:** FCC100A & FCC80A and **Zoomlion:** QUY80.	Not Applicable	25 May 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
59	Kh Foges Pte. Ltd.	1. Chong Yoon Chai 2. Low Siong Hui 3. Chong Tong Choon 4. Ang Boon Hai 5. Kan Chee Heng Robin 6. Mohammad Anisur Rahman MD Abdul Kader Mondal 7. Nagamuthu Jeevarathinam		✓	**Kobelco**: 7055 & 7065; **IHI**: DCH 800 & K-1000-2A/3A; **Hitachi**: KH180; **Sany**: SCC500D; **Ruston-Bucyrus**: 38RB; and **Fushun** QUY50A	Not Applicable	Converted to Lifelong
60	Keat Seng Piling Pte Ltd	1. Wong Way Sen 2. Sam Peng Nin 3. Pachumuthu Rajaraman		✓	**Sumitimo**: LS-I38RHD-5 & SC700.	Not Applicable	19 Sep 2013
61	L&M Foundation Specialist Pte Ltd	1. Chai Siew 2. Goh Boon Sin 3. Loo Kok Seng 4. Marimuthu Varatharaj		✓	**Hitachi:** KH180 & CX500, **Liebherr:** HS841, HS842, HS843, HS850, HS851, HS852 & HS872, Bauer: BS6100, BG22, BG25, BG28, BG30 & BG50, **IHI:** DCH700, **Kobelco:** 7055 and **Nissan:** DH608.	Not Applicable	02 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
62	Ledar Heavy Machinery Equipment	1. Siah Poy Siong 2. Siah Cheong Bin		✓	**Demag:** TC2500, **Itaglu:** TGN5300TM, **Kobelco:** 7080, 7055, 7120 & 7250, **Hitachi:** KH1000, **Sumitomo:** LS118RH5, LS138RH, LS548S, LS578HD, **IHI:** DCH1000 & CCH1500, **Manitowoc:** 4100, **American Hoist: American** 9310A, **Bucyrus Erie:** BE65D, **Grove:** HL150C, **Liebherr:** HS882HD and **P&H:** 5100 & P&H9170 Truck Crane.	Not Applicable	Converted to Lifelong
63	Lee Hong Crane Co Pte Ltd	1. Ang Kian Chuan 2. Ang Kian Kok		✓	**Puyuan:** QY50H-4, **XCMG:** QY50K, **Tadano:** TG500-E and **Changjiang:** LT1025	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
64	Leong Hin Piling Pte Ltd	1. AMJAD HOSSAIN LATE AHMED ALI 2. Goh Chye Huat 3. Goh Hong Hup 4. Khokan Halder Dhiren Khokan 5. Lee Thiam Eng 6. Lim Kok Hwey 7. Mohamed Yusuff Mohamed Ghouse 8. Pan Look Long 9. Quek Swee Ming 10. Regnanathan Selvaraj		✓	**Hitachi:** KH180-3 & CX500, **Kobelco:** 7055 & 7080, **Sumitomo:** LS118RH-5, SC500-2 & SC800DD-2, **IHI:** CCH500-2, CCH500-3 & CCH550, **QUY:** QUY50, QUY55 & QUY70, **Bauer:** BG25, 30, 36 & 40, **Soilmec:** R412 & R618, **Mait:** 160 and **AMT:** 180, 190, 200, 220, 240, 250, 270, 280 & 300.	Not Applicable	07 Jan 2013
65	L H construction And Machinery Leasing Pte Ltd	1. Kong Kim Wai 2. Koh Chin Chye		✓	**Hitachi**: KH500-3; **Sumitomo:** SC500 & SC550; **Kobelco**: 7055; **Tadano:** TR80, TR100, TR350-2, TR500-3 & TG 500E-3; and **Kato**: KR10, KR25, KR50, KR350, & SS500	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
66	Liebherr-Singapore Pte Ltd	1. Ho Beng Seng 2. Deepak Raj Ponnumani Dharmaraj 3. Hosne Bin Ibrahim 4. Sufaat Bin Sukri 5. Rengasamy S/O Kasirajan 6. Wan Mung Sang 7. Foo Kim Fatt 8. Bechter Sascha 9. Strasser Patrick	✓	✓	Not Applicable	All models of Liebherr Mobile and Tower Cranes. Liebherr-Singapore Pte Ltd must conduct a Risk Assessment and implement appropriate and suitable control measures in all their undertakings including repair and alteration of cranes.	Converted to Lifelong
67	Lock Wee Engineering & Construction Pte Ltd	1. Ang Siew Ching 2. Ang Wen Yao 3. Kong Soon Huat		✓	**Kato:** NK1000 & NK500E-III and **Tadano:** TG500-E.	Not Applicable	28 Dec 2012

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
68	Mammoet (S) Pte Ltd	1. Duraisamy Govindaraje 2. Neo Kim Choon, Jimmy 3. Wong Ngeow Chai 4. Abdul Rahim Bin Karm 5. Salim Bin Omar 6. Graham Shepherd 7. Marchel Aalbertsen 8. Raimont Steehouder 9. Johnny Ak Sibat 10. Ajau Ak Sipang 11. Jeroen Hosthuizen 12. Michael Jacobus Cornelis De Hoogh 13. Thomas Epan		✓	**Manitowoc**: M4100, M4600, M888 & M999 **Demag**: CC1100, CC1800, CC2200, CC2400, CC2500, CC2600, CC2800, CC4800, CC6800 & CC 4800 Twin Ring **Liebherr**: LR1250, LR1400, LR1750, LR11350, LR11200 & LR1350 **Kobelco**: CKE2500 **Sumitomo**: SCX2500 & SCX2800 **Sennebogen**: SS5500 **Mammoet**: Platform Twin-Ring Containerized, Mammoet Sliding Gantry, **Zoomlion**: QUY260, **Link Belts**: RTC8065 and **Grove**: RT750.	According to procedures submitted.	Converted to Lifelong
69	Manitowoc Crane Group Asia Pte Ltd	1. Tan Boon Huat 2. Chua Ah Hwa 3. Teo Joo Hwa 4. Lee Kum Wah 5. Lim Chin Meng		✓	Not Applicable	All models of Manitowoc and Grove Cranes	01 Mar 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
70	Manta Equipment (S) Pte Ltd	1. Delwar Hossain Ala Uddin Sheikh 2. Lee Kuan Yit Eddie 3. Lee Man 4. Lee Seng Leong 5. Liton Md Saraf Ali Sheikh 6. Mohd Rashid Bin Ariffin 7. Quek Chang Yeow 8. Sujit Sutra Dhar Madhu Sudhan Sutra Dhar 9. Tam Swee Onn 10. Teh Kok Meng 11. Wong Chee Kong	✓		**Potain:** MC85B, MC115B, MC175B, MC205B, MC235B, MC310K12, MC310K16, MCR225A, MD175A, MD185, MD235, MD285, MD285A, MD245, MDT192, MDT302, MDT308, MR90, MR90B, MR90C, MR150, MR160B, MR160C, MR220 & MR225.	**Potain:** MC85B, MC115B, MC175B, MC205B, MC235B, MC310K12, MC310K16, MCR225A, MD175A, MD185, MD235, MD285, MD285A, MD245, MDT192, MDT302, MDT308, MR90, MR90B, MR90C, MR150, MR160B, MR160C, MR220 & MR225.	Converted to Lifelong
71	Manta Services (S) Pte Ltd	1. Tam Swee Onn 2. Lee Seng Leong 3. Quek Chang Yeow 4. Lee Man 5. Mohd Rashid Bin Ariffin	✓		**Potain:** MC85B, MC115B, MC175B, MC205B, MC235, MC310K12, MC310K16, MCR225A, MD175A, MD185, MD235, MD285, MD285A, MD345, MDT192, MDT302, MDT308, MR90, MR90B, MR90C, MR150, MR160B, MR160C, MR220 & MR225.	**Potain:** MC85B, MC115B, MC175B, MC205B, MC235, MC310K12, MC310K16, MCR225A, MD175A, MD185, MD235, MD285, MD285A, MD345, MDT192, MDT302, MDT308, MR90, MR90B, MR90C, MR150, MR160B, MR160C, MR220 & MR225.	01 Feb 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
72	Moh Seng Cranes Pte Ltd	1. Lim Ban Seng 2. Ng Leong Huat 3. Toh Chit Huat 4. Yap Chin Hock 5. Yap Sian Lay		✓	**Demag**: AC265, AC535, AC435 & AC250-1, **Kato**: NK-500E-III, NK300B & NK500-B-V, **Tanado**: TG500E-3, GT550E-1, TG500, TL250E & AFT110G-5 P&H T250M and **Liebherr:** LTM1350-6.1	Not Applicable	Converted to Lifelong
73	Mobile Crane Asia Pte Ltd	1. Chang Ser Heng 2. Rahmat Ali Bin Halus		✓	**Terex-Demag:** AC40-1, AC 55L, AC75, AC80-1, AC80-2, AC100, AC120, AC120-1, AC150-S, AC155, AC155BL, AC160-2, AC200, AC200-1, AC205, AC250-1, AC265, AC268, AC300, AC335, AC350, AC395, AC435, AC535, AC615, AC650, AC665, AC 1200, AC1300S, AC1600, HC240, HC340, HC510, HC810, MC600V, CC1100, CC1400, CC1800, CC2000, CC2400, CC2500, CC2500-1, CC2600, CC2800, CC2800-1, CC3800, CC4000, C6400, TC2500 & TC300; **IHI:** CCH500-3D; and **GMBH:** MK210 & GS30RC.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
74	Mun Siong Engineering Pte Ltd	1. Teng Kim Nyun 2. Haji Hamdan Bin Awang 3. Shariful Islam Riaz Uddin		✓	**Kobelco:** RK500 & RK250-3, **Kato:** SR-700L, KR-65H(SL650R), SL600-11& KR25H-V6 and **Grove:** RT855B & YB4411.	Not Applicable	01 Mar 2013
75	Nippon Express (Singapore) Pte Ltd	1. Ismail Bin Kamis 2. Neubroner Louis Ray 3. Yasin 4. Alias Bin Jaafar 5. Jose Oira Bongao		✓	**Mannesmann Demag:** CC4800, **Terex Demag:** CC2800, **Hitachi:** KH1000 and **Tandano:** TR250M & TR500M.	Not Applicable	01 Feb 2013
76	Pay Ah Heng Contractor Pte Ltd	1.Yusoff Bin Setam 2. Pay Seng Choon		✓	**Kobelco:** BM700.	Not Applicable	Converted to Lifelong
77	Peck Tiong Choon Transport Pte. Ltd.	1. Luah King Poh 2. Surip Bin Jimen 3. Yap Chuk Kee		✓	**Demag**: AC80-1; **Liebherr**: LTM1100-5.2, LTM1200-1 & LTM1250-6.2; **Tadano**: TL250E, TG500E, GT550E, & TG1000R; **Kato** : NK200H-V, NK250E-V, MK500E-V & NK500B-V; and **Nissan**: KC-KW, KC-KG & KC-KL	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
78	Plant Engineering Construction Pte Ltd n.k.s PEC Ltd.	1. Harjini Shahri 2. Sanef Bin Awang 3. Reo Asuncion Cabanatan		✓	**Demag:** AC435, **Kato:** KR-20H, KR-65H & NK500E, **Kobelco:** RK450, **Tadano:** TG1000R, GR700EX, TR600EXL-3, GT550E, GT500E, TR500M-1 & TR200-EX, **Grove:** RT750E, **Valla:** 75D, **XCMG:** QY50K & QY25K5, **Caterpillar:** CAT307 and **Liebherr:** LTM1200.1.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
79	Pollisum Engineering Pte Ltd	1. Chew Chin Hwa 2. Thirugnana Sambandam Sundara Moorthi 3. Ang Ka San 4. Tan Sai Nam 5. Ang Eng Ann 6. Ang Eng Seng 7. Nagarajan Nagalingam 8. Ang Eng Hock		✓	**Kato:** NK-200BE, 200H, 300, 400, 400E, 450, 500E-III, 500M, MS-10C, MS10BIII, NK E1600, KA1000, KA1200, R20H, KR25H, KR30H, KR35H, KR45H, KR50H, NK200V, SS500VX, NK300B, NK1200 & NK1600, **Hitachi:** KH180-3, KH150-2, KH180, KH230-3, KH500-3, KH1000, CX650 & CX1000, **Tadano:** TG500E, TG500E-3, TG700E, TL250, TL200, TG200E, TR200M, TR250M, TL300, TR500M, AR1200 & AR1600, **Sumitomo:** LS218RH, 238RH-5, SC500-2, SC700, SC1000 & SC1500, LS118, LS248RH-5, SC650 & SC800, **IHI:** CCH300T, CCH400, DCH800, DCH900, CCH900, CCH500, CCH800, CCH1000, CCH1800 & CC1500, **Komatsu:** LW250, **Demag:** AC265, 435, 265 & 265-J, AC615, AC160-2 & AC250-1, **Kobelco/P&H:** BM500, 700, RK250-II, 7055, 7035, 7150, HD80, FS100, FS900, P&H7100, 7080,7065, BM600, 550-A-S, T200, T200-2, T280 & T250M, **Hiab:** 215, **Terex Demag:** AC160 & AC250 and **Liebherr:** LTM1160.	According to procedures submitted.	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
80	P-One (S) Pte. Ltd.	1. Lee Swee Tong 2. Lim Sai Heng 3. Selvam Sathia Narayanan		✓	**Kobelco:** 7055; **Sumitomo:** SC500M; and **Weserhutte:** SW191	Not Applicable	Converted to Lifelong
81	PPL Shipyard Pte Ltd	1. Chiam Chye Hong 2. Ooi Boon Aun		✓	**Manitowoc:** 2250, 4100, 4600 S4, M250/M1200 & 4600 (Platform Ringer) **Kobelco:** BM500 & 7065-2 and **Favco:** Favco60.	Not Applicable	Converted to Lifelong
82	Resource Piling Pte Ltd	1. Karuppaiah Muthukumar 2. Sam Ah Fatt 3. Tan Keng Ann 4. Ng Mun Kong 5. Karuppiah Kannan		✓	**Ruston-Bucyrus:** RB38, **IHI Koehring:** K1000 **Kobelco:** K7055, K7055-2, K7070, K7080, K7080-2, K7100 & 7120, **Sumitomo:** LS78RH5, LS138-RH5, SC700DD & LS418J, **Hitachi:** KH300 & KH300-3, **IHI:** DCH800 and **Fushun:** QUY80B	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
83	Ricon Pte Ltd	1. Chia Kok Hwa 2. Mohd Suhairi Bin Abdullah 3. Ismail Bin Abdul Wahab 4. Tan Kim Lye 5. Yeo Def Hun 6. Tan Lip Chye		✓	Not Applicable	**Kobelco:** 7035, 7045, 7055, 7065, 7070, 7080, 7090, 7100, 7120, 7150, 7200, 7250-2, BM500, BM600, BM700, BM800, BM900, BM1000, CKE600, CKE800, CKE1100, CKE1350, CKE1800, CKE2500, SL4500, SL6000, RK250-5, RK250-III, RK250-6, RK350 & RK450-II.	01 Feb 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
84	Rotary Piling Pte Ltd	1. Ang Tiong Leyong 2. Lee Tian Lye 3. Lee Ying Hsien 4. Wong Kat Lik @ Ng Swee Kheng		✓	**Sumitomo:** LS118RM, LS118RH & SC700DD, **Kobelco:** 7055, 7065, 7080, 7100, 7150, BM500, BM700 & BM900HD2, **RB Cranes:** CH50/65, **QUY:** QUY70, **Zeppelin:** ZT400, **Hitachi:** CX500 & CX700, **IHI:** CCH1500, **IMT:** AF200, AF220 & AF280, **Sinovo:** TR220 & 250, **Soilmec:** R-618, R-515 & R-412, **Jintai:** SD-20 and **Sany:** SSC550.	Not Applicable	01 Feb 2013
85	Ryobi-Kiso (S) Pte Ltd	1. Aung Moe Thein 2. Tan Kee Chee 3. Neo Ee Poh		✓	**Kobelco:** 7055, 7065 & CK850, **P&H:** 80P, 85P, 100P, 130P & 550, **Ruston Bucyrus:** CH65P, RB51-60 & RB38, **Kohering:** K1000, **Sumitomo:** LS218RH, LS138, SC550, SC650 & SC800, **Sumsong:** CX350, **IHI:** CCH500 & IPD100, **Hitachi:** CX6501 & KH250HD, **Rough Terrian Crane:** RK450-2 & TR500XL3, **Hitachi Sumitomo:** SCX700 and **Nippon Sharyo:** DH508-105M, DH608-120M & DH658-135M.	Not Applicable	08 Apr 2013

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
86	Sambo E&C Co Ltd (Singapore Branch)	1. Park Bong Rae 2. Maung Maung Thwin		✓	**Liebherr:** HS852, HS853, HS855, HS882, HS883 & HS885 and **Sambo:** SW311.	Not Applicable	Converted to Lifelong
87	Sambo E&C Pte Ltd	1. Alagar Rama 2. Ganesan Murugarasan 3. MAJIBUR RAHMAN Sekandar Miah 4. Mezan Mahfuz Mollah 5. Nazrul Islam Sattar Miah 6. Thangarajan Manivasagan 7. Zahirul Islam Nurul Islam		✓	**Lienherr:** HS852, HS853, HS855, HS882, HS883 & HS885 and **Sambo**: SW311	Not Applicable	Converted to Lifelong
88	Sante Crane & Equipment Pte. Ltd.	1. Chong Fook Sien 2. Choong Tzek Hwa 3. Khor Choon Lam 4. Lee Khoon Fook 5. Wong Hoong Lee 6. Chai Chee Hwa	✓		**Yongmao:** STL230, STT293, STT153 & STL180.	Not Applicable	06 Mar 2014
89	Scanpile Constructors Pte Ltd	1. Ho Kong Way 2. Ser Kim Chai		✓	**Sumitomo:** LS78-RH5, **Hitachi:** KH-250HD, **Sany:** SCC500E & SCC550 and **Zoomlion:** QUY70	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
90	Sembawang Shipyard Pte Ltd	1. Jacob Puthussery 2. Ang Ban Gee 3. Lin Peng Ngoh 4. Chew Woon Kek 5. Chong Tai Faa	✓	✓	**Hitachi:** 74Mooo1, 74M0005 & 723473, **M.O.D**: 30T, **Huacheng**: HM5090DK7.6 & HM5090DK12, **Dia**: S02090, S02103, S02104 & S02089, **Tsuji**: 8311-0011G & 8311-0012E, **Wolff**: 900BP & 750B, **Lion**: 1900-LL and **Kobelco**: 7250-2.	According to procedures submitted.	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
91	Sin Heng Heavy Machinery Limited	1. Lee Tai You 2. Low Guan Soon 3. Tan Cheng Soon 4. Teo Kian Chye 5. Yam Kin Heong		✓	**Tadano:** TG500E-3, TG1000R, TL-200M-3, TL250M-3, TR250M-4, TR250M-5, TR-350M, TR350M-1, TR400M-1, TR500M-2, TR500M-3, TG1000R-1, TG350M, TR160M & TR350M-3 GR600N-1 & AR1200M-1, **Kato:** NK550VR, NK1000, NK1200-V, NK1600-V, NK-200H-V2, NK-250V, NK-500B-V, KR-65H (SL-650R), KR-10H-L (MR-100L sp), KR-10H-2, KR-25H-V2 (SR-250sp), KR-25H-V (SR-250), KR-22H (MR-220), KR-35H-III, KR-45H-VS (SS-500s), KR-45H-V (SS-500), KR-50H (SS-500sp), KR-50H-L2, KR-70 (MR-700), KR50H-V, KR35H-V, KRM-13H(MR-130), KR-65H(SL650R) & SR700L, **Liebherr:** LTM1300, LTM1450N, LTM1500, LTM1200, LTM1300-6.1, HS852HD, HS853HD, HS855HD & LTR1100, (Continue next page)	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Hitachi: KH180-2, KH180-3, KH230-3, KH300-3, KH500-3, KH850-3, CX500, CX650, KH150-2, KH250HD, KH850-3 & KH1000, **Sumitomo:** SC400, SC500-2, SC650-2, SC650DD-2, SC700, SC800-2, SC1000HD, SC1500, LS120RH-V, LS218RH, LS218RH-V, LS238RH, LS238RH-V, LS248RH-V, LS468RH, LS368RH-5, HC-218S, SC650DD, SC800, SC1500-2, SCX2500 & SC1000-2, **Kobleco:** BM500, BM600, BM700, 7050, 7055, 7055-2, 7065, 7065-2, 7080, CKE700-1F, CKE800-1F, CKE1100, CKE800-1F, CKE13501F, CKE1800, CKE2500, CKE2500-2, CKE7250, CKE4000C, CKE1800-1F, 7100, 7120, 7120-1F, 7200, 7250-2F, CK90UR, RK450, RK450-2, RK250-3, RK160-2, RK70M, RK70, SL6000 & BM800HD-2F, (Continue next page)		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					IHI: CCH500-3, CCH500T, CCH1000, CCH1500, CCH50T & CCH650, **Grove:** RT760E, RT890E, RT9130E, GMK5130-1 & GMK6220 and **Demag:** CC2400 & AC300.		
92	Sin Leng Industries Pte Ltd	1. Ng Cheng Guan 2. Sim Kang Hoe 3. Tan Yong Siang 4. Yeo Keng Hua		✓	**Sumitomo:** LS118RH5, SC500-2, LS118RM, LS120RH5, SC650-2, LS218RH5, LS238RH5, LS248RH5, LS548S & LS578HD, **Kobelco:** 7065, 7080, 7120, 7150, 7250, RK450, BM800HD-2 & CKE800-1F, **IHI:** CCH500-2, CCH500-3, CCH50T, CCH800-2, CCH1500, DCH1000HD & KF1000, **American:** 8460 **Bucyrus Erie:** 65-D, **Grove:** HL150C & RT650E, **Liebherr:** HS882HD, **Manitowoc:** 4100S2 and 4100S3 **Hitachi:** KH180-3 & KH300-3 **Italgru:** TGN5300TM, **Tadano:** TR250M-3-00101 & TR500M-3 and **SKK:** 500D & 800D.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
93	Sin Nikko Tractor Engineering Pte Ltd	1. Sim Tong Eak 2. Putt Chin Sam 3. Lim Fook Pow		✓	**Sumitomo:** SC500, SC650, SC1500, SC2500 & SF1700HD, **Linkbelt:** LS78, LS108, LS118RH & LS215RH-5, **Kobelco / P&H:** 5035, 5055, 7035, 7055, 7065, 7150, 670S, T450-2, PD600, BM500, BM700 & CKE800, **IHI:** CCH500, CCH500E, CCH800, CCH1000 & DCH800, **Kato:** KH20H, HH20H-III, KH20H-V, KH25H-II, KH25H-V & KH300-1-2-3, **Hitachi:** KH100-2, KH100-3, KH150-3, KH180-3, CX500, CX600, CX700 & KH500-3 and **Tanado:** TR250, TR250M, TR300, TR350 & TR450.	Not Applicable	01 Feb 2013
94	Singapore Piling & Civil Engineering Pte Ltd	1. Ng Siew Lai @ Ng Kau 2. Choong Kian Sang		✓	Sumitomo: SC500 & LS128RH-5, LS138RH-5, LS138RH-D & SC800-2; Kobelco: BM600HD, 7055 & 7055-2 and Fuwa: Fcc80B.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
95	SKAS Pte Ltd	1. Low Siao Ting 2. Ong Tong Chuan	NA	✓	**Kobelco:** 7045, 7055, 7065, 7080, 7100, 7120, 7150, BM500, BM800, BM900, BM900HD-2, BM1000, CKE700, CKE1800 & FS100; **Hitachi:** CX650, CX1000, KH180-3, KH300, KH500-3, KH1000, CX1000; **Hitachi Sumitomo:** SCX900-2 & SXC1200-2, **Sumitomo:** SC550, SC650-2, SC1000-2, LS118RH5 & LS120RH, **IHI:** CCH500-3 & CCH650 **Nippon Sharyo:** DH900-2 and **Kato(Hydraulic Truck Cranes):** KR50H & SS500	Not applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
96	SM Foundation Machinery Pte Ltd	1. Chow Kar Nyep 2. Md Awal Abdul Gafur 3. Nirvail Singh 4. Ramasamy Neethimohan 5. Refaz Late Ramez Uddin 6. Shamol Chandra Mondal Gorongga Chandra Mondal 7. Yew Teow Eng	NA	✓	**Sumitomo:** LS78, SC650DD-2 & LS238, **Hitachi:** KH250HD and **Kobelco:** 7065 & BM800HD-2F.	Not applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
97	Songcheon Engineering Pte. Ltd.	1. Ser Ah Tee 2. Thit Lwin Myint	NA	✓	**Liebherr:** 852, 853, 845 & 855.	Not applicable	Converted to Lifelong
98	Soon Douglas (Pte) Ltd	1. Ding Erqing 2. Oh Geok Lam 3. Lim Chor Hong 4. Patrick Anak Stanley 5. Yang Huaxiang	✓		Not applicable	**Jaso:** J90, J90LDR, J125, J175, J240, J300, J138PA & J180PA & J180LPA.	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
99	STL Machinery & Trading Pte Ltd	1. Wong Kok Wcei 2. S M Chan Miah MD Yeasin Shaikh		✓	**Hitachi**: KH180-3, KH150, KH125 & KH300 **Kobelco**: BM500, 600, 700, 7055, 7065, 7080, 7045, 7035, 5045 & 5055 **IHI**: CCH650 & 800 **Kato**: NK500E-3, **Tadano**: TR250M500104, **Sumitomo**: SC700, LS118, LS138, SC500-2 & SC550-2 and **P&H**: 880S.	Not applicable	Converted to Lifelong
99	Sum Cheong Piling Pte Ltd	1. Abdul Rahman Bin Mohd Daud 2. Lee Chong Heng		✓	**Hitachi**: CX700, CS500PD and **RB**: CH50HDP & 550SC	Not Applicable	11 Oct 2012
100	T. M. Transport Contractor Pte Ltd	1. Lim Thong Poh 2. Lim Choon Seng		✓	**Kato:** NK45H-VS, **Tadano:** TR350M, TR250M-5, GT550E-1 & GR700EX and **Tadano Faun:** ATF220G-5.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
101	Tat Hong Heavyequipment (Pte) Ltd	1. Abdul Razah Bin Hassan 2. Bajuri Bin Abu Bakar 3. Lai Yoon Choy 4. Murthi A/L Munusamie 5. Osman Bin Adam 6. Soe Sitt		✓	**American Hoist:** 7260, 9270, 9299 & 11320, **IHI:** CCH150, CCH500, CCH650, CCH700, CCH800, CCH1000, CCH1500, CCH2000, CCH2500, CTR60, DCH650, DCH800, DCH1000, K1000 & MC8150, **Nissha:** DH400, DH500, DH600 & DH650, **Kobelco:** 7035, 7045, 7050, 7055, 7065, 7080, 7100, 7120, 7150, 7200, 7300, 7450, BM400, BM500, BM600, BM800, CKE1350, CKE1800, CKE2500, CKE4000, RK70, RK160, RK250, RK350, RK450, RK500 & Panther 350, **P&H:** 325, 335AS, 440S, 550S, 880S, 5045, 5100, 5170, 5300 & 5650, **Kato:** CR80, KR20H, KR25H, KR30H, KR35H, KR45H, MR100, MR220, MR700, NK160C, NK200, NK200H, NK250V, NK450BV, NK500BV, NK500EV, NK550VR, NK800, NK1000, NK1600, SL600, SL650R, SR200R, SS350, SS500 & SS500SP,	**Sumitomo**: all models **Hitachi**: all models **Hitachi Sumitomo**: all models	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Tadano: AR1000M, AR1200M, GR300EX, GR500N, GR600N, GR700EX, GT550E, GT550EX, GT600EX, GT600N, TG500E, TG700E, TG1000M, TG1600M, TL200, TR200M, TR250M, TR350M, TR400M & TR500M, **Demag:** AC250, AC265, AC335, CC1400, CC1800, CC2000, CC2600, CC2800, CC400 & CC8800, **Manitowac:** M4000W, 4100, 4600S, M4600WS & 12000, **Linkbelt:** HC238RH-2, HTC8675-II, LS108B, LS718, LS818 & RTC8090, **Liebherr:** HS852HD, HS853HD, HS872HD, HS882HD, LR1650 & LTM1100, **Fushun:** QUY50, **Grove:** AT9120, **Fuwa:** QUY50A(S500) & QUY80A(S800), **Suncrane:** SQ600 and **XCMG:** QY25Y, QY50K & QY65K.		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
102.	Tat Hong Heavylift Pte. Ltd.	1. Goh Ching Chiang 2. Kok Soon Tow 3. Loh Chee Kheong 4. Md Isa Bin Shariff 5. Mohd Yusof Bin Isnin 6. Tan Lai Lee		✓	**Sumitomo:** LS78RH, LS108RH, LS118RH, LS118RM, LS138RH, LS218RH, LS238RH, LS248RH, LS368RH, LS918, SC350, SC400, SC500, SC500M, SC700, SC800, SC1000, SC1500, SC2500, SC500-2, SC700-2, SC800-2, SC1000-2, SC1500-2, SC2000-3, SA1100, SA1200, HC248S, LS468RHD & SD205; **Hitachi:** KH180, KH230, KH300, KH500, KH850, CX500 & KH700; **Sumitomo Hitachi:** SCX2500, SCX2800-2, SCX1500-2 & SCX900-2; P&H: 325, 335AS, 440S, 550S, 880S, 5100, 5170, 5300 & 5650; **Kobelco:** 7035, 7045, 7055, 7065, 7150, RK250, RK450, 7200, 7300, BM500, BM600, BM800, CKE2500, CKE1800, Panther 350 & RK70; **Tadano:** TL200, TG500M, TR200M, TR25 0M TR350M, TR500M, GR600N & GR550EX;	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Kato: NK200, NK450, KR20, KR25H, KR35H, KR45H, SS500S, MR220, CR80C & MR100; **Demag:** CC2000, CC2800, CC1800, CC2600, CC2800-2; CC4000 & CC8800-1 Nisha: DH400, DH500 & DH650; **Manitowac:** 4600 & 4100; **Linkbelt:** HC238RH-2; **Liebherr:** LTM1100N; **IHI:** CCH1500, CCH1500-2, CTR60 & CCH500T; **Fushun:** QUY50 and **Grove:** AT9120.		

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
10	Tat Hong Plant Leasing Pte Ltd	1. Abdul Mu Talib Bin Samad 2. Bakri Bin Abu Bakar 3. Ghazali Bin Salleh 4. Lo Soon Hee 5. Mario Edwin Margarico Pugon 6. Mohd Ali Bin Ahmad 7. Mohd Shah Bin Sapthu 8. Ong Kian Chai 9. Poon Seng Koon 10. Shawir Bin Shaffi 11. Shin Yeu Kong 12. Kadayappan A/L Arumugam		✓	**Kobelco:** 7035, 7045, 7050, 7055, 7065, 7080, 7100, 7120, 7150, 7200, 7250, 7300, BM400, BM500, BM600, BM800, CKE1800, CKE2500, CKE4000, RK70, RK250, RK450, RK500, Panther 350, SK100 & SL6000, **Tadano:** GR300, GR500, GR550, GR600, GR700, GT550, TG350, TG450, TG500, TL200, TL250, TR200, TR250M, TR350M, TR400 & TR500, **Kato:** CR80C, KR20, KR25H, KR35H, KR45H, KR50H, KR70, KR600, KR650, MR100, MR220, MR700, NK200, NK450, NK550, NK1000, RK70, RK250, RK350, RK450, SL600, SL650 & SS500, **P&H:** 325, 335AS, 440S, 550S, 880S, 5100, 5170, 5300 & 5650, **Demag:** AC160, AC250, CC1800, CC2000, CC2600, CC2800 & CC8800-1, **Nissha:** DH400, DH500 & DH650,	**Sumitomo:** all models, **Hitachi:** all models and **Hitachi Sumitomo:** all models	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
					Liebherr: HS870HD, LTM1040, LTM1100, LTM 1100N, **IHI:** CCH500T, CCH650, CCH700, CCH1500, CCH2000, CCH2500, CTR60 & DCH1000, **Manitowac:** 888, 1200, 4100, 4200, 4600, M4000W & 12000, **Linkbelt:** 8090, HC238RH-2 & LS818, **Fushun:** QUY50 and **Grove:** AT9120.		
10	Ten-League Investment (S.E.A.) Pte. Ltd.	1. XIE HONG LIANG 2. Zhuang Ri Xin		✓	**Sany:** SCC550, SCC800C, SCC2500D & SCC4000C.		Converted to Lifelong
10	Construction Equipment (S) Pte Ltd (Formally known as Team Machinery Pte Ltd)	1. Yoon Kok Cheow 2. Chng Chun Beng		✓	**Tadano**: TR250M, TR350M & TR500M, **Kato:** SS500, KR45HV & KR25HV, **Fushun:** QUY50, QUY50A, QUY50C, QUY55 & QUY80A and **Kobelco:** BM800HD-2F.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
10	Tean Chay Crane Rental Pte Ltd	1. Lim Tiam Lai 2. Lim Kian Soon		✓	**Sumitomo**: LS118RH-2, LS118RH-5 & LS218RH-5, SC500-2, SC700-2, SC800 & SC800-2, **Hitachi:** KH180 **Kobelco:** 7055, 7055-2, BM500, BM600, MB700, K7080 & K7080-2 and **Nippon Nissha:** DH350	Not Applicable	13 Jan 2013
10	THL Foundation Equipment Pte Ltd	1. Tan Kian Chye 2. Lim Heng Fong 3. Wat-Uawaong Prasit	✓	✓	**IHI**: CCH500-3, **Nissha**: DH400-3, DH500-5 and **Kobelco**: 7045, 7050-2 & 7055.	**Hitachi**: KH150-3, **Sumitomo**: SC500-2, SC500, SC550, LS108RH5, LS118RH5 & LS138RH5,	Converted to Lifelong
10	Thong Lee Engineering Service	1. Ng Thong Lee 2. Hashim Bin ISmail 3. Ng Siang Meng		✓	**Tadano:** ATF110G-5, **XCMG**: QY50K & QY70K and **Demag**: AC150S.	Not applicable	Converted to Lifelong
10	Tiong Seng Contractors (Pte) Ltd	1. Leong Yook Fong 2. Chen Jian Dong 3. Pek Dien Kee	✓	✓	**Kobelco:** BM7055, BM700 & BM7250-2	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
11	Tiong Woon Crane & Transport (Pte) Ltd	1. Anasuri Ravindar 2. Boon Suan Soon 3. Lee Giam Meng 4. Mohd Hafiz Bin Suratman 5. Samsudin Bin Chik		✓	**Demag:**CC1400, CC2800, CC8800, AC120-1, AC160-2, AC200-1, AC205A, AC250-1, AC300-6, AC335, AC435, AC500-2, AC700 & AC1600, **Fushun:** QUY50, QUY50A, QUY80A, QUY120, QUY150A & QUY150C, **Fuwa:**FCC80A, FCC80B, FCC100A & FCC100C, **Kato:** KR10H-LII, KR25H-VIII, KR50H-V, KR500, NK500E-3, NK1000 & NK1600-V, **IHI:**CCH500-3, CCH650, CCH800, CCH1000, CCH1500, CCH1800-3, CCH2000, CCH2500, CCH2800, & CTR60, **Kobelco:** RK250-3, RK450-II, BM500, BM700, 7100, CKE1100 & CKE1800-1,**Liebherr:** LTM1050, LTM1090, LTM1100-5.1, LTM110-5.2, LTM1160, LTM1160-2, LTM1200-1A & LTM1300, **Tadano:**GR500EX, GR700EX, TG500E-3, ATF160-5 & ATF160G-5, **XCMG:** QY50K, QY80K & QAY130, **Hitachi:**KH180-3 & CX500, **Sumitomo:** SC700-2, SC700-3 & SA1000 and **Manitowoc:** RT760E & RT890E	**Fuwa:** FCC80A, FCC80B, FCC100A & FCC100C, **IHI:** CCH500-3, CCH650, CCH800, CCH1000, CCH1500, CCH1800-3, CCH2000, CCH2500, CCH2800, & CTR60 and **XCMG:** QY50K, QY80K & QAY130,	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
11	Toa Corporation	1. Ong Ah Ber 2. Kiyotaka Kusaka		✓	**Hitachi:** KH500 & KH500-3 **Kobelco:** 7100 and **Hitachi IHI:** CCH1500.	Not Applicable	Converted to Lifelong
11	Tong Guan Plant (Pte.) Ltd.	1. Kun Kong Chan 2. Lim Boon Kim 3. Thura Kyaw		✓	**ZOOMLION:** QUY80	Not Applicable	Converted to Lifelong
11	Tong Soon Crane Pte Ltd	4. Jayaraman Prabakaran 5. Soon Sng Hoe 6. Sing Kow Kiae 7. Sing Kim Hong		✓	**Tadano:** TG 500E & GT 550E-1, **Demag:** AC100, AC160-2, AC200, AC200-1, AC 250-1 & AC350 and **Puyuan:** QY50H-4.	Not Applicable	Converted to Lifelong

Approved Crane Contractors							
S/N	**Name of Company**	**Approved Crane Erectors**	**Tower Cranes**	**Mobile Cranes**	**Cat I Installation, alteration or dismantling of following brands/models**	**Cat II Installation, alteration, dismantling or repair of following brands/models**	**Date of Expiry of Approval**
11	Tower Cranes Services Pte Ltd	1. Rosidi Abdullah 2. Tan Puay Guan	✓		**Potain:** MC85, MD175, MD185, MD235, MD285, MD345, MC205, MC235B, MC310, MR90, MR150, MR160, MR220, MCR225, MDT192, MDT302, MDT303 & MR225; **Comedil:** CTL200, CTL205, CTL130, MCA483, MCA501, CT602, CT703, CT651, CTT331, CTT181, CTL140, CTL180, CTL250, CTL260, CTL340 & CTL400; **Yongmas Stt:** 293; **Comansa:** LC2070 & CJ290 and DKT Tower Crane: DT312-12 S/N 2009-001	**Jaso:** J90, J90LDR, J125, J175, J240, J300, J138PA J180LPA	09 Dec 2012
11	Uni-Crane Pte Ltd	1. Chee Aik Sun 2. Teo Lee Kiang	✓		**Comedil:** CTT331, CTL140, CTL180, CTL340 & CTL400; **Comansa:** B21CJ290 & 10CJ140.	Not Applicable	11 May 2013
11	Wilhoist Engineering Pte Ltd	1. Wong Hoong Lee 2. Koh See Men	✓		**Favelle Favco:** M60R, M120R & M120RX **Wolff:** W30A	Not Applicable	30 Sep 2013

Approved Crane Contractors							
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11	Yew Tat Machinery & Construction Company Pte. Ltd.	1. Ong Soon Ying 2. Ong Son Chik		✓	**Kobelco:** 7045, 7055, 7065, 8M500, 8M700; and **Sumitomo:** LS118.	Not Applicable	Converted to Lifelong
11	Yew Choon Pte Ltd	1. Biplob Dash Ramani Dash 2. Thandu Miah Hazrat Ali 3. Seah Boon Seng 4. Blijleven Reinier		✓	**Kato:** NK500E-V, **IHI:** CCH500, KH180-3, CCH1500 & CCH1500E, **Demag:** CC2000 & CC2800 and **QUY:** QUY50.	Not Applicable	Converted to Lifelong
11	Yongnam Engineering & Construction Pte Ltd	1. Lua Chek Liang 2. Lwan Myint 3. Aung Myo Myint		✓	**Sany**: SCC2500C, **IHI**: CCH2800, **Terex Demag:** CC2500-1, **Manitowoc:** 16000 and **Kobelco:** 7055, 7080, 7150, 7250, FS100, CKE1200, CKE 1800 & CKE2500.	**Xuzhou Heavy Machinery Co., Ltd**: QUY50, QUY80 & QUY150, **Sany**: SCC800C & SCC1500 and **Nippon Sharyo**: DH650	Converted to Lifelong

Approved Crane Contractors							
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12	Zap Piling Pte Ltd	1. Chaw Ming Sian 2. Tay Tong Tham 3. Tay Tong Kiong 4. Leo San Leong 5. Tong Sim Tiam 6. Tan Chon Heng 7. Yap Kean Hong		✓	**Kobelco:** 7035, 7045, 7055, 7065, 7080, BM600, BM700, CKE-1800-IE, 7120-1F & TK750, **Hitachi:** KH300-2, KH300-3 & KH850-3, **Sumitomo:** LS238RH, SC650-2, SC700-2 & SC800, **IHI:** CCH500T & CCH300T **Nissha:** DH600, DHJ30, DHP70, DHP80, D408, D508 & KG55TXN, **Liebherr:** HS853 **Tadano:** TG500-3, **Sennebogen:** 683HD, P&H: 75P, 80P, 85P60C & 100P-85C, **Kobe:** 75P-80C & 75P-60C, **Mait:** HR160, HR180 & HR300, **IMT:** AF18 & AF22, **Soilmec:** 412 and **Bauer:** BG36, BG36C, BG36V & BG40	Not Applicable	Converted to Lifelong

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Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
ABDUL BASHIR BIN ABDUL KADIR			
ABDUL MALIK S/O ABDUL RASHID	DUNLOP CLINIC & Surgery	01 #01-4538 JALAN BUKIT MERAH SINGAPORE 150001	62933408
ABRAHAM MATHEWS	ST MEDICAL SERVICES	492 AIRPORT RD SINGAPORE 539945	64880619
ADAM PATRICK	Parkway Shenton Pte Ltd	CYBERHUB 20 #01-02 20 BENDEEMER ROAD SINGAPORE 339914	63192020
ADELINE NGO SU-YIN			
ANG BOON KIANG STEVEN GREGORY	DR STEVEN ANG CLINIC & SURGERY	71 #01-05 REDHILL RD SINGAPORE 150071	64767333
ANG HWA CHENG SERENE	MAPLE CLINIC	825 #01-64 TAMPINES ST 81 SINGAPORE 520825	64422483
ANG LAI LAI	BRYAN BREN FAMILY DOCTORS	GINZA PLAZA 154 #01-127/8 WEST COAST RD SINGAPORE 127371	67756511
ANG POH KIT	P K ANG CLINIC & SURGERY	106 #01-1225 HOUGANG AVE 1 SINGAPORE 530106	62843022
ANG SING JIM ROY	ROY'S FAMILY CLIN & SURG	846 #01-3605 YISHUN RING RD SINGAPORE 760846	67544073
ANG SU LIN VIVIEN	Heathway Tampines Central Clinic	503 #01-311 TAMPINES CENTRAL 1 SINGAPORE 520503	67890383
ANG YIAU HUA	WHAMPOA CLINIC	88 #01-863 WHAMPOA DR SINGAPORE 320088	62521020
ANTHONY CHAO TAR LIANG			
AU YOKE LING MONICA	MARINE CLINIC	81 #01-642 MARINE PARADE CENTRAL SINGAPORE 440081	63459341
AUNG KYAW MYINT @ LIM CHEE WUN	Ang Mo Kio-Thye Hua Kwan Hospital Ltd	17 ANG MO KIO AVE 9 SINGAPORE 569766	
AW LEE FHOON LILY	LILY AW PASIR RIS FAMILY CLIN & SUR	446 #01-116 PASIR RIS DR 6 SINGAPORE 510446	65822122
AW TUAN KIAT	CARE MEDICAL CENTRE	190 #01-590 LOR 6 TOA PAYOH SINGAPORE 310190	
AW TUAN SOO	TAMPINES 24-HR FAMILY CLINIC	201D #01-1151 TAMPINES ST 21 SINGAPORE 524201	67867228
BALASUBRAMANIAM P	BALA MEDICAL CLINIC	8 #01-1078 UPP BOON KENG RD SINGAPORE 380008	67447466
BALASUNDRAM GANESH	SYY CLINIC (JURONG)	135 #02-329 JURONG EAST ST 13 SINGAPORE 600135	65691191
BALBIR SINGH S/O MAL SINGH	SATS CLINIC	SINGAPORE CHANGI AIRPORT 20 #2-01 AIRPORT BOULEVARD SINGAPORE 819659	
BENG KIAN LAM ARTHUR	OOI CLINIC	BALESTIER HILL SHOPPING CENTRE 1 #01-342A THOMSON RD SINGAPORE 300001	62912389
BHASKARAN KESAVAN NAIR	CORPORATE MEDICAL CENTRE	FORTUNE CENTRE 190 #02-01 MIDDLE RD SINGAPORE 188979	63371313
CHAI CHWAN	LITTLE CROSS FAMILY CLINIC	915 #01-41 TAMPINES ST 91 SINGAPORE 520915	65440040
CHAN CHEE LEONG MARVIN	NATIONAL HEALTHCARE GROUP (GMTI)	NUH KENT RIDGE WING 5 ##05-01 LOWER KENT RIDGE RD SINGAPORE 119074	
CHAN CHEH MIUN	OXFORD MEDICAL CENTRE	PASIR RIS WEST PLAZA 735 #02-330 PASIR RIS ST 72 SINGAPORE 510735	65851496
CHAN CHUNG TSING GREGORY	THE OCCUPATIONAL AND DIVING MEDICINE CENTRE	HONG LIM COMPLEX 531 #02-63 UPPER CROSS STREET SINGAPORE 050531	65360988
CHAN FOONG LIEN	CHAN-GWEE MEDICARE CLINIC	APEX TOWER 70 #20-01/02 ANSON RD SINGAPORE 079905	62213155
CHAN KAY HEEM	ST MEDICAL SERVICES PTE LTD	AEROMEDICAL CENTRE 492 AIRPORT RD SINGAPORE 539945	64880621

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
CHAN KWAI YEW			
CHAN O Y MAGDALENE	OCCUPATIONAL SAFETY AND HEALTH DIVISION	MINISTRY OF MANPOWER 18 #05-01 HAVELOCK RD SINGAPORE 059764	63171288
CHAN PAI SHENG DANIEL	SHENTON MEDICAL GROUP	INTERNATIONAL PLAZA 10 #36-01 ANSON ROAD SINGAPORE 079903	62202911
CHAN SWEE MONG PAUL	DRS. LIM & CHAN CLINIC	2 #01-50 LOR LEW LIAN SINGAPORE 531002	62803009
CHAN TENG MUI TAMMY	TC FAMILY CLINIC	526 #01-325 JURONG WEST ST 52 SINGAPORE 640526	65666687
CHAN U-JYN KEVIN	Flinders Practice Pte LTd	JIT POH BUILDING 19 #01-01 KEPPEL ROAD SINGAPORE 089058	65599070
CHAN WAH MEI	RIDGEWOOD MEDICAL CLINIC	RIDGEWOOD CONDOMINIUM 5 #G4-00 RIDGEWOOD CLOSE SINGAPORE 276696	64691666
CHAN WAI LUP	REGIONAL PATIENTCARE MEDICAL GROUP PTE LTD	932 #01-97 YISHUN CENTRAL 1 SINGAPORE 760932	67551568
CHAN YAT CHUN	PRIME MEDICAL GROUP PTE LTD	THE PROMENADE 300 #05-08 ORCHARD RD SINGAPORE 238861	67328096
CHANDER S/O TIKAMDAS NEBHRA	WORLD VISION INTERNATIONAL SINGAPORE	GMG BUILDING 108 #08-02/03 ROBINSON RD SINGAPORE 068900	62211040
CHANG MING YU	CHANG CLINIC	BT TIMAH PLAZA 1 #B1-08 JLN ANAK BUKIT SINGAPORE 588996	64663811
CHAU SIK TING		BOON LAY SHOPPING CENTRE 221 #01-240 BOON LAY PL SINGAPORE 640221	62655247
CHEE FON FOO ERNEST	BUKIT TIMAH FAMILY CLINIC & SURGERY	ROYALVILLE 833 #01-07 BUKIT TIMAH RD SINGAPORE 279887	64698816
CHEE YUET CHING CAROLINE	LIANG CLINIC	695D EAST COAST RD SINGAPORE 459059	62415944
CHEE YUET MING LILIAN	PARKWAY SHENTON (REPUBLIC PLAZA)	REPUBLIC PLAZA 1 #29-02 RAFFLES PL SINGAPORE 048619	65345343
CHEN CHIH MIN	PARKWAY SHENTON - SIA CLINIC	AIRLINE HOUSE CHANGI AIRPORT #06-D AIRLINE RD SINGAPORE 819829	67374341
CHEN LISA	DAYSPRING CORPORATE WELLNESS PTE LTD	D'CENTENNIAL 100 #08-01 LORONG 23 GEYLANG SINGAPORE 388398	63399339
CHEN TEIK HONG, ANDREW	AcuMed Medical Pte Ltd	T T INTERNATIONAL TRADEPARK 10 #09-02 TOH GUAN ROAD SINGAPORE 608838	65663311
CHENG HENG LEE	CHENG CLINIC	447 #01-1677 ANG MO KIO AVE 10 SINGAPORE 560447	64542482
CHENG SHAO LIN BENNY	CLIFFORD DISP JURONG	188 #01-288 BOON LAY DR SINGAPORE 640188	62651783
CHENG SOO HONG	FAMILY HEALTHCARE CLINIC & SURGERY	523 #01-119 HOUGANG AVE 6 SINGAPORE 530523	63871120
CHEONG GUAT NEO GLADYS	RUBY MEDICAL CENTRE	TANNERY BLK 35 #02-02A TANNERY RD SINGAPORE 347740	67433352
CHEONG SENG KWING	ANG MO KIO POLYCLINIC	723 #01-4136 ANG MO KIO AVE 8 SINGAPORE 560723	64582116
CHERN CHIAP FOOK	CHERN MEDICAL CLINIC	138 #01-112 TAMPINES ST 11 SINGAPORE 521138	67810036
CHEUNG TUCK WEI	FAMILY CARE CLINIC	415 #01-272 BUKIT BATOK WEST AVE 4 SINGAPORE 650415	65671775
CHEW GIAN MOH	DOVER CLINIC & SURGERY	35 #01-177 DOVER RD SINGAPORE 130035	67757410
CHEW HOCK LEONG MAURICE	DRS MAURICE CHEW CLINIC & SURGERY	BEAUTY WORLD CENTRE 144 #03-05 UPP BUKIT TIMAH RD SINGAPORE 588177	64690455
CHEW KHEK KAH	SYY CLINIC	NGEE ANN CITY 391 #05-14 ORCHARD RD SINGAPORE 238872	67386771
CHEW PIN KEE	TEBAN GARDEN CLINIC	61 #01-01 TEBAN GDNS RD SINGAPORE 600061	65619052

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
CHEW SUNG LOCK	BETHESDA MEDICAL CENTRE	SUNTEC CITY MALL 3 #02-080 TEMASEK BOULEVARD SINGAPORE 038983	63378933
CHEW SZE MUN	EASTSHORE HOSPITAL PTE LTD	321 JOO CHIAT PL SINGAPORE 427990	63408663
CHEW WU-CHONG BURWOOD	SANOFI-SYNTHELABO (S) PTE LTD	80 #19-02 ROBINSON RD SINGAPORE 068898	62263836
CHEW YEW MENG VICTOR	CANBERRA MEDICAL CENTRE	306A #01-01 CANBERRA RD SINGAPORE 751306	68520500
CHIA HWEE PIN	EXXONMOBIL CHEMICAL MANUFACTURING S'PORE	SINGAPORE CHEMICAL PLANT 100 JURONG ISLAND HIGHWAY SINGAPORE 627867	65866696
CHIA KEE SENG	DEPT COMMUNITY OCCUPATIONAL & FAMILY MEDICINE, NUS	FACULTY OF MEDICINE 16 MEDICAL DR SINGAPORE 117597	68744971
CHIA KIAN CHUA			
CHIA KIAT SWAN	VERNON CLINIC & SURGERY	SULTAN PLAZA 100 #02-33 JLN SULTAN SINGAPORE 199001	62940244
CHIA SIN ENG	DEPT COMMUNITY OCCUPATIONAL & FAMILY MEDICINE, NUS	FACULTY OF MEDICINE 16 MEDICAL DR SINGAPORE 117597	68744970
CHIA YUEN TAT	PRESIDENT MEDICAL CLINIC	74 #01-338 WHAMPOA DR SINGAPORE 320074	62541678
CHIAM CHOON GUAN	DAYSPRING CORPORATE WELLNESS PTE LTD	D'CENTENNIAL 100 #08-01 LORONG 23 GEYLANG SINGAPORE 388398	63399339
CHIAM TUT FU	HQ MEDICAL CORPS, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
CHIAM YIH HSING	John Chiam Medical Clinic	11 #01-72 GHIM ROAD SINGAPORE 270011	67633811
CHIANG WING CHIONG	bedok medical centre	18 #01-57 BEDOK SOUTH ROAD SINGAPORE 460018	62414111
CHIN KOY NAM	HMI BALESTIER HOSPITAL	363 BALESTIER RD SINGAPORE 329784	62533818
CHIN MIN KWONG	RAFFLES MEDICAL GROUP LTD	131 #01-267 JURONG GATEWAY ROAD SINGAPORE 600131	68996688
CHIN PANG HING	CHIA & LEE MED & DEN CLIN	802 #01-15 TAMPINES AVE 4 SINGAPORE 520802	67812969
CHINNAPPAN VANGADASALAM	YISHUN MEDICAL & DENTAL CENTRE	618 #01-3234 YISHUN RING RD SINGAPORE 760618	67541002
CHIONH ENG HOE	CORPORATION CLINIC GROUP	253 #01-21 CHOA CHU KANG AVE 1 SINGAPORE 680253	67643085
CHNG PUAY SIAN	BUKIT BATOK POLYCLINIC	50 BUKIT BATOK WEST AVE 3 SINGAPORE 659164	
CHNG SHIH KIAT (DR)	RAFFLES HOSPITAL	585 NORTH BRIDGE RD SINGAPORE 188770	63111262
CHOE INN CHUAN RAYMOND	EZYCARE MEDICAL CENTRE	HEWLETT PACKARD 452 ALEXANDRA RD SINGAPORE 119961	63740971
CHONG EE MEI VIVIEN	VIVIEN @ ROBINSON PRACTICE	80 #01-01A ROBINSON RD SINGAPORE 068898	62261216
CHONG EE TONG	DRS TRYTHALL HOY DAVIES (PTE) LTD	INTERNATIONAL BUILDING 360 #04-06 ORCHARD RD SINGAPORE 238869	67376633
CHONG FOONG CHONG	GRACE CLINIC	PEARL'S CENTRE 100 #01-49 EU TONG SEN ST SINGAPORE 059812	62220405
CHONG HOI WENG	CHOONG'S CLINIC	21 #01-97 OLD AIRPORT RD SINGAPORE 390021	63442400
CHONG KONG HUI	YAM MEDICAL GROUP (TEBAN GARDENS)	38 #01-318 TEBAN GDNS RD SINGAPORE 600038	65619366
CHONG KWOK YAN	RAFFLES HOSPITAL	585 NORTH BRIDGE RD SINGAPORE 188770	63111111
CHONG TAT CHONG	NEW TOWN CLINIC	59 #01-1224 NEW UPP CHANGI RD SINGAPORE 461059	64431784
CHONG TZE SHING	CHONG MEDICAL CLINIC	703 #01-3500 BEDOK RESERVOIR RD SINGAPORE 470703	62414678
CHOO HOCK ENG	NEE SOON CLINIC	926 UPP THOMSON RD SINGAPORE 787120	64521914

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Name	Clinic Name	Address	Tel No
CHOO KOK ANN RICHARD	DR RICHARD CHOO & PARTNER	LIAT TOWERS 541 #10-02 ORCHARD RD SINGAPORE 238881	67345260
CHOO-NG BEE HUA	CHOO-NG & HO CLIN & SURG	57 #01-3505 GEYLANG BAHRU SINGAPORE 330057	62949148
CHOW KHUAN YEW	NATIONAL DISEASE REGISTRIES OFFICE, HPB	HEALTH PROMOTION BOARD 3 SECOND HOSPITAL AVENUE SINGAPORE 168937	64353082
CHOW KYE KHEONG	DRS.BAIN & PARTNERS	OCEAN BUILDING 10 #05-06/07 COLLYER QUAY SINGAPORE 049315	65325522
CHOW SHOOK LIN	FRIENDSHIP CLIN & SURG	1 #01-4524 JLN BUKIT MERAH SINGAPORE 150001	62726628
CHOW YEW CHOONG VINCENT	LIFELINE MEDICAL GROUP - CCK	534 #01-41 CHOA CHU KANG ST 51 SINGAPORE 680534	67600782
CHOY KWOK YIN KENNETH	OCCUPATIONAL SAFETY AND HEALTH DIVISION	MINISTRY OF MANPOWER 18 #05-01 HAVELOCK RD SINGAPORE 059764	63171129
CHU SIU-KONG	GREEN CROSS MEDICAL CENTRE	824 #01-30 TAMPINES ST 81 SINGAPORE 520824	67813011
CHUA CHONG LI	HOUGANG CLINIC	631 #01-16 HOUGANG AVE 8 SINGAPORE 530631	62826306
CHUA KEE LOI	CHUA CLINIC & SURGERY	769 #01-281 YISHUN AVE 3 SINGAPORE 760769	62571690
CHUA POH GEK ANGELINE	Raffles Medical Group	OUB CENTRE 1 #05-03 RAFFLES PLACE SINGAPORE 048616	62231188
CHUA PONG KUAN	MEDICO CLINIC & SURGERY	249 #01-88 JURONG EAST ST 24 SINGAPORE 600249	65610934
CHUA TECK SING	DRS HORNE & CHIN PTE LTD	SHAW CENTRE 1 #17-01 SCOTTS RD SINGAPORE 228208	67371377
CHUA YONG HAN	DRS CHUA CHOW & PARTNERS PTE LTD	529 #01-2323 ANG MO KIO AVE 10 SINGAPORE 560529	64562275
CHUI PENG LEONG	EVERCARE MEDICAL CLINIC	253 #01-14A CHOA CHU KANG AVE 1 SINGAPORE 680253	67699655
CHUNG TSZ KIN KENNETH			
DAMODARAN AJITH	SERANGOON GARDEN CLIN & DISPENSARY	263 #01-51 SERANGOON CENTRAL DR SINGAPORE 550263	62805222
DARA SARITA	ST Medical Services Pte Ltd	AEROMEDICAL CENTRE 492 AIRPORT ROAD SINGAPORE 539945	64880612
DOHADWALA KUTBUDDIN S/O FIDAHUSEN	TALIB CLIN PTE LTD	305B CHANGI RD SINGAPORE 419783	67420521
EU TIENG JUOH WILSON	SIGLAP MEDICAL CLINIC	2 #01-876 EAST COAST RD SINGAPORE 450002	62440501
FAN SWEE WENG	AFPN B057	492 AIRPORT RD SINGAPORE 539945	64505422
FANG JAMES	DRS BAIN & PARTNERS	OCEAN BUILDING 10 #05-06/07 COLLYER QUAY SINGAPORE 049315	65325522
FELIX TAN HAN YOUNG			
FOK WAI YEE ROSE	DRS KOO FOK & ASSOC PTE LTD	4 #02-01 KIAN TECK AVE SINGAPORE 628909	62613629
FONG CHEE HONG DAVID	FOCUS MEDICAL GROUP	TECK WHYE SHOPPING CENTRE 137 #01-329 TECK WHYE LANE SINGAPORE 680137	67692822
FONG CHIU YAN	EASTERN MEDICAL CENTRE	631 #01-896 BEDOK RESERVOIR RD SINGAPORE 470631	64487628
FONG KHEE LENG	BEDOK CLINIC & SURGERY	17 #01-565 BEDOK SOUTH RD SINGAPORE 460017	62410943
FONG SENG YEW	THE FAMICARE CLINIC	162 #01-361 MEI LING ST SINGAPORE 140162	64745993
FONG YUKE TIEN	INTERNAL MEDICINE	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	

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Name	Clinic Name	Address	Tel No
FOO FUNG FONG	YONG-EN CARE CENTRE	335A #03-57 SMITH ST SINGAPORE 051335	62251002
FOO KIAN FONG	NATIONAL CANCER CENTRE	MEDICAL ONCOLOGY DEPT 11 HOSPITAL DR SINGAPORE 169610	64368000
FOO KOK KANG	SCHOOL OF HEALTH SCIENCES	NANAYANG POLYTECHNIC 180 ANG MO KIO AVE 8 SINGAPORE 569830	65501337
FOO SIEW NGOH MICHEL	DR K N CHIN & ASSOCIATES PTE LTD (SUNTEC CITY)	SUNTEC CITY MALL 3 #03-026L TEMASEK BOULEVARD SINGAPORE 038983	63372522
FOO YONG BOCK	FOO CLINIC	962 #01-306 JURONG WEST ST 91 SINGAPORE 640962	67918853
FOONG CHAN KEONG	STAMFORD MEDICAL GROUP PTE LTD	38 TRAS ST SINGAPORE 078977	62265502
FOONG YEE WAH	ST Medical Services Pte Ltd	PAYA LEBAR AIRBASE 492 AIRPORT ROAD SINGAPORE 539945	64880620
FREAN ANDREW CHARLES GEORGE	BP ASIA PACIFIC PTE LTD - REGIONAL MEDICAL DEPT	BP TOWER 396 #18-01 ALEXANDRA RD SINGAPORE 119954	63718217
GAN CHENG HOE	FRANKEL CLINIC	689 EAST COAST RD SINGAPORE 459056	64455457
GAN CHEONG HWEE	BUKIT MERAH CENTRAL MEDICAL CENTRE	165 #03-3683 BUKIT MERAH CENTRAL SINGAPORE 150165	62735455
GAN SIOK LIN	OCCUPATIONAL SAFETY AND HEALTH DIVISION	MINISTRY OF MANPOWER BUILDING 18 #05-01 HAVELOCK ROAD SINGAPORE 059764	68765310
GAN TEK KAH	STREET 21 CLINIC (TAMPINES)	201B #02-1097 TAMPINES ST 21 SINGAPORE 522201	67857888
GIAM CHOO KEONG	MEDI-FIT CONSULTANTS PTE LTD	ONG ENG BUILDING 101 #23-05 CECIL ST SINGAPORE 069533	96967902
GOH CHENG HONG	G & H MEDICAL CLINIC	106 #01-173 YISHUN RING RD SINGAPORE 760106	67586322
GOH CHING LUCK	DRS GOH & TAN FAMILY CLIN	283 #01-191 BISHAN ST 22 SINGAPORE 570283	64561600
GOH HOON PUR	G.S. CLINIC & SURGERY	632 #01-960 ANG MO KIO AVE 4 SINGAPORE 560632	64568967
GOH KING HUA	NANYANG DISPENSARY	176 #01-372 BOON LAY DR SINGAPORE 640176	62653757
GOH SING HONG	GSH Clinic & Surgery	730 #01-51 TAMPINES STREET 71 SINGAPORE 520730	62605942
GOH TIEN SIONG	JURONG POLYCLINIC (NATIONAL HEALTHCARE GROUP POLYCLINICS)	JURONG POLYCLINIC 190 JURONG EAST AVENUE 1 SINGAPORE 609788	65623011
HAMID BIN AHMAD	Hamid Family Clinic And Surgery	156 #01-35 PASIR RIS STREET 13 SINGAPORE 510156	65848804
HAN CHIH FONG	GOVT OFFICIALS' CLINIC	INSTITUTE OF HEALTH 3 SECOND HOSPITAL AVE SINGAPORE 168937	62596833
HENG KIM BOON	GLENEAGLES HOSPITAL	6A NAPIER RD SINGAPORE 258500	64737222
HENG KUO LENG JOHN	FIRST MEDICAL CLINIC & SURGERY	167 #01-11 WOODLANDS ST 11 SINGAPORE 730167	63684798
HERMAN LIEW NAN PIEW			
HIA KWEE YANG	HIA CLINIC	27 #01-661 BENDEMEER RD SINGAPORE 330027	62984257
HIAK TAI SOON	HL CLINIC	9 #01-135 TELOK BLANGAH CRES SINGAPORE 090009	92721986
HO HANG CHEN	MANDARIN MEDICAL CENTRE	66 JLN JURONG KECHIL SINGAPORE 598586	64667822
HO HERN LU	HL FAMILY CLINIC AND SURGERY	122 #01-126 BEDOK NORTH ST 2 SINGAPORE 460122	64420494
HO HON KWOK	HK HO WOMEN & FERTILITY CLINIC	MOUNT ALVERNIA MEDICAL CENTRE 820 #02-06/07 THOMSON RD SINGAPORE 290820	

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Name	Clinic Name	Address	Tel No
HO JEE MENG ANDRE	HEALTH PARTNERS MEDICAL CLINIC	CRESCENDO BUILDING 23 UPP EAST COAST RD SINGAPORE 455289	
HO KAI KWONG JEFFREY	HEALTHWAY MEDICAL	HEALTHWAY JURONG WEST CLINIC 690 #01-193 JURONG WEST CENTRAL 1 SINGAPORE 640690	67921812
HO SIN TECK WINSTON	Fullerton Healthcare Group Pte Ltd	BUGIS VILLAGE 156B ROCHOR ROAD SINGAPORE 188431	66725647
HO SWEET FAR	OCCUPATIONAL SAFETY AND HEALTH DIVISION	MINISTRY OF MANPOWER BUILDING 18 #05-01 HAVELOCK ROAD SINGAPORE 059764	66925051
HO TZIN YIH	DRS HORNE AND CHIN	SHAW CENTRE 1 #17-01 SCOTTS RD SINGAPORE 228208	67371377
HO YENG	APEX CLINIC & SURGERY	844 #01-162 YISHUN ST 81 SINGAPORE 760844	67535621
HO YIN CHEONG	CHOO-NG & HO CLIN & SURG	57 #01-3505 GEYLANG BAHRU SINGAPORE 330057	62949148
HONG CHEE BOO ALLAN	HONG ASSOCIATES CLINIC	111 #01-1682 JLN BUKIT MERAH SINGAPORE 160111	62702233
HONG LEE TIONG JEREMY	HONG FAMILY CLINIC	282 #01-300 TAMPINES ST 22 SINGAPORE 520282	67843300
HOO KAI MENG	RAFFLES HOSPITAL	585 NORTH BRIDGE RD SINGAPORE 188770	
HOR OI LIN			
HOW CHONG HONG	G & H MEDICAL CLINIC	106 #01-173 YISHUN RING RD SINGAPORE 760106	67586322
HU KUO MING DANNY	HU CLINIC	433 #01-268 CLEMENTI AVE 3 SINGAPORE 120433	67762154
HU WEN WEY	MERIDIAN MEDICAL CENTRE	108 #01-10 DEPOT RD SINGAPORE 100108	62780088
HUAN MENG WAH	HUAN CLINIC	FURAMA HOTEL & SHOPPING CENTRE 60 #02-09 EU TONG SEN ST SINGAPORE 059804	65357628
IRENE HII IK TIING	Parkway Shenton	INTERNATIONAL PLAZA 10 #36-01 ANSON ROAD SINGAPORE 079903	62202911
IVAN CHAN HENG LIANG	Parkway Shenton	PRINT CENTRE 2 JURONG PORT ROAD SINGAPORE 619088	
JARNAIL SINGH	ST MEDICAL SERVICES PTE LTD	AEROMEDICAL CENTRE 492 AIRPORT RD SINGAPORE 539945	64880629
JOHN LIM WENG FAI	Excellence Healthcare Pte Ltd	CAMDEN MEDICAL CENTRE 1 #15-00 ORCHARD BOULEVARD SINGAPORE 248649	65656888
JOSEPH SUNIL KUMAR	Tayka Medical Pte Ltd	29A DESKER ROAD SINGAPORE 209562	63924473
JUDY SNG GEK KHIM	SHENTON MEDICAL GROUP	INTERNATIONAL PLAZA 10 #36-01 ANSON ROAD SINGAPORE 079903	62202201
JUSTINA JEYARAJ	Drs. Bain & Partners,	KEPPEL BAY TOWER 1 #07-06 HARBOURFRONT AVENUE SINGAPORE 098632	62717110
KEITH ONG	Northeast(Kallang) Medical Centre	39 #01-01 BLK 39 JALAN TIGA SINGAPORE 390039	62413298
KHIN KHIN WIN	SINGAPORE CANCER SOCIETY - CANCER SCREENING CLINIC	REALTY CENTRE 15 #04-01 ENGGOR ST SINGAPORE 079716	62219577
KHOO BENG HOCK MICHAEL	PARKWAY CLINIC & SURGERY	PARKWAY PARADE 80 #05-01 MARINE PARADE RD SINGAPORE 449269	63441991
KHOO BUK KWONG	HEALTHPLUS CLINIC	307 #01-697 CHOA CHU KANG AVE 4 SINGAPORE 680307	67635288
KHOO KAH BIN	CENTRAL CLINIC & SURGERY	25 #01-579 BENDEMEER RD SINGAPORE 330025	62984545
KHOO KIA HOEN RUBEN	KHOO FAMILY CLINIC & SURG	2 #01-4781 BEACH RD SINGAPORE 190002	62955955

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KHOO SWEE SUAN JANICE	RAFFLESIAN CLIN & SURGERY	RAFFLES CITY SHOPPING CENTRE 252 #02-17 NORTH BRIDGE RD SINGAPORE 179103	63382740
KHOO TENG HOO GEORGE	MEDICAL ASSISTANCE SERVICE, INTERNATIONAL SOS P/L	INTERNATIONAL SOS P/L 331 #17-00 NORTH BRIDGE RD SINGAPORE 188720	63382311
KHOR BENG LEE	KHOR CLINIC & SURGERY	424 #01-237 BUKIT BATOK WEST AVE 2 SINGAPORE 650424	65631285
KHOR CHIN KEE	HEALTHWAY MEDICAL GROUP	445 #02-534 FAJAR RD SINGAPORE 670445	67690600
KISHAN DHAKSHAYANI	FUNAN CLINIC	EXCELSIOR SHOPPING CENTRE 5 #03-20/21 COLEMAN ST SINGAPORE 179805	63388793
KOH ENG HOE	AKC MEDICAL CENTER PTE LTD	HILLVIEW INDUSTRIAL ESTATE 27A HILLVIEW TERRACE SINGAPORE 669241	68940232
KOH GIN POH	TECK GHEE CLINIC	451 #01-1765 ANG MO KIO AVE 10 SINGAPORE 560451	64540642
KOH MUI NOI BETTY	UNION MEDICAL CLIN & SURG	152 #01-330 SERANGOON NORTH AVE 1 SINGAPORE 550152	62823357
KOH SOO QUEE DAVID	DEPT COMMUNITY OCCUPATIONAL & F	FACULTY OF MEDICINE, NUS 16 MEDICAL DR SINGAPORE 117597	68744988
KOH TANN LONG	T L KOH CLINIC & SURGERY	327 #01-178 HOUGANG AVE 5 SINGAPORE 530327	62845075
KOH TEE LOCK TERENCE	YIO CHU KANG MRT STATION CLINIC	YIO CHU KANG MRT STATION 3000 #01-01 ANG MO KIO AVE 8 SINGAPORE 569813	64598278
KON TIAM WAH	DRS KOO & NEOH MEDICAL GROUP	ADMIRALTY MRT STATION 70 #01-01 WOODLANDS AVE 7 SINGAPORE 738344	63677077
KONG KUM LENG	MARINE PARADE CLINIC	59 #01-81 MARINE TERR SINGAPORE 440059	62419065
KONG SIN MING	KONG CLIN & SURGERY	293 #01-223 YISHUN ST 22 SINGAPORE 760293	67580136
KOO WEE KHIAT ALVIN	DR W K KOO & ASSOCIATES PTE LTD	960 #01-184 JURONG WEST ST 92 SINGAPORE 640960	67917244
KOO WEN HSIN	NATIONAL CANCER CENTRE	11 HOSPITAL DR SINGAPORE 169610	64368000
KOTHAGODA HENRY	RAFFLES HOSPITAL	585 NORTH BRIDGE RD SINGAPORE 188770	
KUNG SIANG YO	MCGILL CLINIC PTE LTD	164 WEST COAST WAY SINGAPORE 127079	67795078
KWAN KAH YEE			
KWAN PAK MUN	MILFORD MEDICAL GROUP	237 #01-116 SERANGOON AVE 3 SINGAPORE 550237	62869993
KWEE LEE EDMUND	BUKIT TIMAH CLINIC	621A BUKIT TIMAH RD SINGAPORE 269731	64665458
KWEK SOON KIAT ERIC	EVANGEL FAMILY CLINIC & SURGERY	TAMAN JURONG SHOPPING CENTRE 399 #01-56 YUNG SHENG RD SINGAPORE 610399	62682628
KWONG KUM HOONG	PRINCETON FAMILY CLINIC & DENTAL	FAJAR SHOPPING CENTRE 445 #01-546 FAJAR RD SINGAPORE 670445	67622278
LAI CHAN SEE	OCCUPATIONAL HEALTH CONSULTANC	MT ELIZABETH HOSP 3 #08-03 MT ELIZABETH SINGAPORE 228510	62358336
LAI JOHN FRANCIS	UNITED CLIN	PARKLANE SHOPPING MALL 35 #05-06 SELEGIE RD SINGAPORE 188307	63383324
LAI LI CHENG	CHINATOWN MEDICAL CENTRE	HONG LIM COMPLEX 531 #02-63 UPPER CROSS STREET SINGAPORE 050531	65360988
LAI OI LENG	LAI MEDICAL CLINIC	213 #01-209 BUKIT BATOK ST 21 SINGAPORE 650213	65632935
LAM BEE LAN	MEDIPOINT MEDICAL CENTRE	VISTA POINT 548 #02-24 WOODLANDS DR 44 SINGAPORE 730548	68938776
LAU KWOK NAM	K.N.LAU CLINIC	6 KENSINGTON PK RD SINGAPORE 557258	62887019
LAU WAUN KEI	CENTRAL CLINIC & SURGERY	25 #01-579 BENDEMEER RD SINGAPORE 330025	62984545
LAUW HOCK HAI EDISON	EDISON'S CLINIC	301 #01-301 UBI AVE 1 SINGAPORE 400301	68410600

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LEE CHEONG CHENG	FAMILY HEALTHCARE CLINIC & SURGE	151 #01-35 SERANGOON NORTH AVE 2 SINGAPORE 550151	62889557
LEE CHIEN-WEN KAREN	LEE & KOH FAMILY CLINIC & SURGERY	359 #01-389 BUKIT BATOK ST 31 SINGAPORE 650359	66653323
LEE CHOI KHEONG	GLENEAGLES MARITIME MEDICAL CEN	MARITIME HOUSE 120 #02-05 CANTONMENT RD SINGAPORE 089760	62236066
LEE CHUN FAI	TAN & TAN CLINIC	183 #01-546 BOON LAY DR SINGAPORE 640183	62652968
LEE ENG SENG	HEALTHCARE FAMILY CLINIC & SURGE	403 #01-311 SIN MING AVE SINGAPORE 570403	64542373
LEE ENG SING	Parkway Shenton Pte Ltd	20 #01-02-06 BENDEMEER ROAD SINGAPORE 339914	62277777
LEE GEOK CHOO	LOW & LEE CLINIC & SURG	55 #01-202 CHAI CHEE DR SINGAPORE 460055	64451175
LEE HEW MUN JOHN FERGUS	DR RICHARD CHOO & PARTNERS PTE	LIAT TOWERS 541 #10-02 ORCHARD RD SINGAPORE 238881	67345260
LEE HOCK PENG KELVYN	YISHUN POLYCLINIC	100 YISHUN CENTRAL SINGAPORE 768826	67577792
LEE HOCK SIANG	OCCUPATIONAL SAFETY AND HEALTH	MINISTRY OF MANPOWER 18 #05-01 HAVELOCK RD SINGAPORE 059764	63171115
LEE HONG HUEI	PARKWAY SHENTON PTE LTD	20 #03-11/14 BENDEMEER RD SINGAPORE 339914	62277777
LEE HSIAO HUI	CREST FAMILY CLINIC	724 #01-502 WOODLANDS AVE 6 SINGAPORE 730724	63650906
LEE KHAI WENG MICHAEL	RafflesMedical Group	TAMPINES ONE 10 #01-05 TAMPINES CENTRAL 1 SINGAPORE 529536	67882222
LEE KIM KEE	TRINITY MEDICAL CLINIC	DOVER VILLE 19A #01-01 DOVER CRESCENT SINGAPORE 131019	67788868
LEE KOK LEONG PHILLIP	FAMILYCARE CLINIC & SURG	55 #01-188 CHAI CHEE DR SINGAPORE 460055	64487326
LEE KOK WAH	DRS GETHIN JONES LIOW	ORCHARD PLAZA 150 #04-07/14 ORCHARD RD SINGAPORE 238841	67370077
LEE LAY TIN	OCCUPATIONAL SAFETY AND HEALTH	MINISTRY OF MANPOWER 18 #05-01 HAVELOCK RD SINGAPORE 059764	63247226
LEE LENG GHEE WILLIE	DOCTORS LEE & PARTNERS	THE ARCADE 11 #03-28 COLLYER QUAY SINGAPORE 049317	66468312
LEE MICHAEL	INDUS CLINIC	77 #01-517 INDUS RD SINGAPORE 160077	62742423
LEE MUN TUCK	DRS BAIN & PARTNERS	OCEAN BUILDING 10 #05-06/07 COLLYER QUAY SINGAPORE 049315	65325522
LEE PHENG LIP IAN	YOURHEALTH MEDICAL CLINIC	1 #11-01 ORCHARD BOULEVARD SINGAPORE 238649	67324688
LEE PHENG SOON	MEAD JOHNSON NUTRITIONALS USA	51 #04-04 MERCHANT RD SINGAPORE 058283	64383844
LEE PING WEN	DRS LEE & PARTNERS PTE LTD	THE ARCADE 11 #03-28 COLLYER QUAY SINGAPORE 049317	62211566
LEE PONG-DING PONDY	SATA JURONG CLINIC	135 #04-345 JURONG EAST ST 13 SINGAPORE 600135	68963614
LEE QUEE PHIN	TIONG BAHRU MEDICAL CENTRE	CENTRAL PLAZA 298 #01-03/04 TIONG BAHRU RD SINGAPORE 168730	62727966
LEE SAI KIANG	ISLAND GROUP CLINIC BEDOK	25 #01-646 NEW UPP CHANGI RD SINGAPORE 462025	62416666
LEE SEE MUAH	SHELL EASTERN PETROLEUM PTE LTD		62635000
LEE TZU HOOI	DRS CHAN LEE THNG & PARTNERS	SHAW HOUSE 350 #15-03 ORCHARD ROAD SINGAPORE 238868	62353757
LEE WOON LIN			

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
LEE YEW WEI	GETHIN-JONES MEDICAL PRACTICE PT	OCEAN BUILDING 10 #08-05 COLLYER QUAY SINGAPORE 049315	65357100
LEE YING LING		GREENRIDGE 61 GREENRIDGE CRESCENT SINGAPORE 598949	64693163
LEONG PENG FAI SAMUEL	Drs Bain and Partners	KEPPEL BAY TOWER 1 #7-07-06 HARBOURFRONT AVENUE SINGAPORE 098632	62717110
LEONG WAI HIN LINDA	POINT MEDICAL GROUP	JURONG POINT 1 #06-10 JURONG WEST CENTRAL 2 SINGAPORE 648886	67922370
LEONG YAN HOI	MILLENNIUM MEDICAL GROUP	849 #01-215 WOODLANDS ST 82 SINGAPORE 730849	63680386
LEOW CHENG GEK	SIA CLINIC	SIA TRAINING CENTRE CLINIC 720 NEW UPP CHANGI RD EAST SINGAPORE 486852	
LEOW WEI AUN	LOYANG MEDICAL CENTRE	LOYANG OFFSHORE SUPPLY BASE #BOX-5142 LOYANG CRES SINGAPORE 508988	65431690
LEOW YUNG KHEE	MONETARY AUTHORITY OF SINGAPOR	MAS BUILDING 10 SHENTON WAY SINGAPORE 079117	62299121
LEUNG YUET SING LEWINA	LIANG COURT MED & SKIN CT	LIANG COURT 177 #08-01 RIVER VALLEY RD SINGAPORE 179030	63366464
LEW KIAN HWA	Jurong Medical Centre	60 #01-08 JURONG WEST CENTRAL 3 SINGAPORE 648346	65517892
LIAN HO PENG	LIAN CLINIC	18 #01-269 MARSILING LANE SINGAPORE 730018	62697435
LIAO KIAN HUAT	GEYLANG BAHRU CLINIC	16 #01-1093 UPP BOON KENG RD SINGAPORE 380016	67480316
LIEW CHENG	west point hospitalpte ltd	WEST POINT FAMILY HOSPITAL 235 CORPORATION DRIVE SINGAPORE 619771	62687555
LIEW LAI SHEONG	EAST SHORE HOSPITAL	321 JOO CHIAT PL SINGAPORE 427990	63408666
LIM ANG TEE	Bedok Medical Centre	18 #01-57 BEDOK SOUTH ROAD SINGAPORE 460018	62414111
LIM BAN SIONG		218 NERAM CRES SINGAPORE 807823	
LIM BEE HWA KITTY	DRS CHAN LEE THNG & PARTNERS (CL	SHAW HOUSE 350 #15-01 ORCHARD RD SINGAPORE 238868	67374341
LIM BEE LIN	BL MEDICAL ASSOC (THE PASCAL)	THE PASCAL 16A #01-02 SCIENCE PK DR SINGAPORE 118228	67789153
LIM BOON HEE	NOVO VITA CLINIC & SURGERY	131 #01-1573 JLN BUKIT MERAH SINGAPORE 160131	62722983
LIM CHEE TECK	CITILIFE FAMILY CLINIC	215 #01-539 JURONG EAST ST 21 SINGAPORE 600215	65662281
LIM CHENG BUAY	C Y KOK CLINIC & SURGERY	157 #01-562 ANG MO KIO AVE 4 SINGAPORE 560157	64584777
LIM CHIN YIN	POINT MEDICAL GROUP	399 #01-31 YUNG SHENG RD SINGAPORE 610399	62656587
LIM CHONG SING	SATA UTTAMRAM CLINIC	351 CHAI CHEE ST SINGAPORE 468982	64453220
LIM CHUN CHOON	ANAESTHESIA, TTSH	11 JLN TAN TOCK SENG SINGAPORE 308433	63572238
LIM GEOK BIN	PASIR RIS CLINIC & SURGERY	442 #01-28 PASIR RIS DR 6 SINGAPORE 510442	65820502
LIM GEOK LEONG	CENTRAL MEDICAL GROUP	113 #01-542 BUKIT MERAH VIEW SINGAPORE 150113	62722212
LIM HUI MOEY EVELYN	PARKWAY SHENTON - SIA CLINIC	AIRLINE HOUSE #06-D AIRLINE RD SINGAPORE 819829	65414705
LIM JOHN WAH	National University Health System (NUHS)	10 MEDICAL DRIVE SINGAPORE 117597	65166929
LIM KAH CHOO CAROL	CHOA CHU KANG POLYCLINIC	2 TECK WHYE CRES SINGAPORE 688846	67659659

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
LIM KOON JIN	RUBY MEDICAL CENTRE	RUBY INDUSTRIAL COMPLEX 35 #02-02A TANNERY RD (TANNERY BLOCK) SINGAPORE 347740	67433352
LIM KUAN KENG	HOLLAND CLINIC	31 #01-215 HOLLAND CLOSE SINGAPORE 270031	67792109
LIM LIANG BOON	LIM CLINIC & SURGERY	20 #01-418 CHAI CHEE RD SINGAPORE 461020	62412211
LIM MEE LING	LIM MEDICAL CLINIC	PARKLANE SHOPPING MALL 35 #03-26 SELEGIE RD SINGAPORE 188307	63386168
LIM MUI LEE	EUNOS CLINIC	8 #01-2667 EUNOS CRES SINGAPORE 400008	67453722
LIM PENG KEONG	ALLIANCE CLINIC AND SURGERY	652 #01-50 JLN TENAGA SINGAPORE 410652	68469585
LIM POH HENG	CORPORATION CLINIC	83 #01-580 MARINE PARADE CENTRAL SINGAPORE 440083	64407250
LIM SEOK CHENG SABRINA	HL CLINIC	9 #01-135 TELOK BLANGAH CRES SINGAPORE 090009	62721986
LIM SHYAN	LIM SKIN CENTRE	NGEE ANN CITY (TOWER B) 391B #08-05A ORCHARD RD SINGAPORE 238874	67384700
LIM SOON BENG	FAITH FAMILY CLINIC (JURONG)	762 #01-316 JURONG WEST ST 72 SINGAPORE 640762	67916780
LIM TIEN CHIAR	HILLVIEW CLINIC & SURGERY	1 #01-1014 HILLVIEW AVE SINGAPORE 661001	67647825
LIM U-LIN QUEENIE	BOON LAY CLINIC & SURGERY	BOON LAY SHOPPING CENTRE 221 #01-240 BOON LAY PL SINGAPORE 640221	62655247
LIM WAN IE	LIM CLINIC	446 #01-1663 ANG MO KIO AVE 10 SINGAPORE 560446	64549172
LIM WEE HOW	WOODS MEDICAL CLINIC PTE LTD	EASTWOOD CENTRE 20 #01-14A EASTWOOD RD SINGAPORE 486442	62460545
LIM WEE TEE			
LIM YEEU KUANG	Trinity Medical Clinic	130 #02-205 JURONG EAST STREET 13 SINGAPORE 600130	65607088
LIM YING	Ezycare Medical Centre	HEWLETT PACKARD BUILDING 452 ALEXANDRA ROAD SINGAPORE 119961	63740971
LING CHUEN	THE HEALER MEDICAL GROUP	153 #01-508 SERANGOON NORTH AVE 1 SINGAPORE 550153	6285 9866
LING YEE KIANG			
LIOW SIEW CHOON @ LIAO XINHUO PETER	XIN HUO MEDICAL CLINIC	329 GEYLANG ROAD SINGAPORE 389362	67438709
LIU HAO MING	PAN ISLAND MEDICAL GROUP PTE LTD	UNITED SQUARE 101 #01-15 THOMSON RD SINGAPORE 307591	62548182
LO CHER KUAN	PHOENIX CLINIC & SURGERY	150 #01-43 JLN TECK WHYE SINGAPORE 680150	67675345
LOEI KOK SHENG	UNIVERSAL MED & DENT CLIN	164 #01-144 BUKIT BATOK ST 11 SINGAPORE 650164	65639955
LOGESWARI V SADACHARAM	FAMILY MEDICAL SURGERY	302 #01-1836 ANG MO KIO AVE 3 SINGAPORE 560302	64579977
LOH BAN CHYE	JAPAN GREEN CLINIC	PARAGON 290 #10-01 ORCHARD RD SINGAPORE 238859	67348871
LOH JOSEPH	J & L MED CLIN & DENTAL SURGERY	418 #01-69 BEDOK NORTH AVE 2 SINGAPORE 460418	68761682
LOH PHILIP	COMMUNITY MEDICAL CLINIC	188 #01-276 BOON LAY DR SINGAPORE 640188	62610672
LOH PUI CHORNG LINUS	Work Health & Safety Inc		
LOH SOOK HENG	TAN-TEOH CLINIC	HIANG KIE COMPLEX 2 54 #03-04 GENTING LANE SINGAPORE 349560	62992292

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Name	Clinic Name	Address	Tel No
LOH WEE TIONG ALFRED	RAFFLES HOSPITAL	585 NORTH BRIDGE RD SINGAPORE 188770	
LOH ZHI MING	My Family Clinic Punggol Central	MULTI STOREY CAR PARK 301 #01-02 PUNGGOL CENTRAL SINGAPORE 820301	68537351
LOI KUAN LOONG	LOI & WONG CLIN & SURGERY	492 #01-08 JURONG WEST ST 41 SINGAPORE 640492	65626676
LOK YING FANG	KING GEORGE'S MEDICAL CENTRE	803 #01-144 KING GEORGE'S AVE SINGAPORE 200803	62939883
LOKE KAM WENG	TRIMED ASSOCIATES PTE LTD	104 #01-100 JURONG EAST ST 13 SINGAPORE 600104	65606600
LOO CHOO CHOON ANDREW	GEYLANG POLYCLINIC	21 GEYLANG EAST CENTRAL SINGAPORE 389707	
LOO CHYE WANG @ LOO AH KAW	STAMFORD MEDICAL GROUP	TANJONG PAGAR PLAZA 7 #01-102 TANJONG PAGAR RD SINGAPORE 081007	62207441
LOW CHEE WAH MARK	DOCTORS CLINIC & SURGERY	305 #01-91 WOODLANDS ST 31 SINGAPORE 730305	62691017
LOW CHOON KIAT PAUL			
LOW HON KWOK	SIN MIN CLINIC	221 UPP THOMSON RD SINGAPORE 574353	64532266
LOW HUEY CHIN	UNIVERSAL MEDICAL CLINIC	164 #01-144 BUKIT BATOK ST 11 SINGAPORE 650164	65639955
LOW KEE HWA	LOW MEDICAL CLINIC	67 #01-477 KALLANG BAHRU SINGAPORE 330067	62950805
LOW KIAN CHUAN DAVID	LOW & LEE CLINIC & SURG	55 #01-202 CHAI CHEE DR SINGAPORE 460055	64451175
LOW YEE SHIH	HIA CLINIC	27 #01-661 BENDEMEER RD SINGAPORE 330027	62984257
LU KUO FAN MARK	DRS HORNE & CHIN PTE LTD	SHAW CENTRE 1 #17-01 SCOTTS ROAD SINGAPORE 228208	64911377
LUCY LEONG YI MING	Occupational Safety and Health Division	SCDF BENDEMEER CAMP 1500 #03-02 BENDEMEER ROAD SINGAPORE 339946	66925067
LUI WOEI SEN	THE FAMILY MEDICAL CENTRE	411 #01-1827 YISHUN RING RD SINGAPORE 760411	62574522
LUM CHUN FATT	ISLAND GROUP CLINIC	LE MERIDIEN SINGAPORE 100 #04-104 ORCHARD RD SINGAPORE 238840	67322181
LUM KHAI WAH	LUM CLINIC & SURGERY	109 #01-149 BUKIT PURMEI RD SINGAPORE 090112	62784827
LUM KUAN YIN	T M AUW CLINIC	123 #01-1406 HOUGANG AVE 1 SINGAPORE 530123	62829440
LYE TONG FONG	CENTRAL CLINIC & SURGERY (CLEMEN	450 #01-291 CLEMENTI AVENUE 3 SINGAPORE 120450	63876787
MA SWAN HOO	LIANG COURT MEDICAL CENTRE	177 #02-23 RIVER VALLEY RD SINGAPORE 179030	63366464
MAK LAI PENG	EASTERN SPECIALIST CENTRE	NTUC HOUGANG MALL 90 #04-03/05 HOUGANG AVE 10 SINGAPORE 538766	63877666
MAO FONG HAO	MAO MEDICAL CENTRE & SURGERY	149 #01-54 SILAT AVE SINGAPORE 160149	62781910
MARK KAI NG SHEPPARD	YAM MEDICAL GROUP - TAMAN JURON	64 #01-107 YUNG KUANG RD SINGAPORE 610064	62656422
MATTHIAS PAUL TOH HAN SIM	National Healthcare Group	6 #4-01-02 COMMONWEALTH LANE SINGAPORE 149547	64966927
MAUNG AUNG THEIN	National Healthcare Group Polyclinics - Ju	190 JURONG EAST AVENUE 1 SINGAPORE 609788	66656110
MEENAKSHI SUNDARARAMAN	NHGP - TOA PAYOH POLYCLINIC	2003 LOR 8 TOA PAYOH SINGAPORE 319260	63547566
MENON HARIDAS	SWAN CLINIC	81 #01-915 WHAMPOA DR SINGAPORE 320081	62512961

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Name	Clinic Name	Address	Tel No
MICHAEL ONG CHIN CHEONG	hyperbaric medical services	CAMDEN MEDICAL CENTER 1 #08-05 ORCHARD BOULEVARD SINGAPORE 248649	67320068
MOHAMED FAIZAL BIN ABDUL WAHID	Raffles Medical Group	CHANGI AIRPORT TERMINAL 3 65 AIRPORT BOULEVARD SINGAPORE 819663	62418818
MOHAMED GHAZALI	SHIFA' CLINIC & SURGERY	668 #01-20 CHANDER RD SINGAPORE 210668	62957667
MOHAMED TAHIR BIN AHMAD	CRESCENT CLIN & DENT SURG	1A #01-2473 EUNOS CRES SINGAPORE 401001	67458624
MOK LYE WAN	LIFE CARE CLINIC	258 #01-42 BUKIT PANJANG RING RD SINGAPORE 670258	67691810
MORSHIDAH BTE HJ MORSED YOOSOFF	DRS KOO & NEOH MEDICAL GROUP	ADMIRALTY MRT STATION 70 #01-01 WOODLANDS AVE 7 SINGAPORE 738344	63677077
MUI KAI SOONG	Raffles Medical group	445 #01-171 CLEMENTI AVE 3 SINGAPORE 120445	68729043
MUKUND S/O HARKISHANDAS R DOSHI	HAIG SPECIALIST CLINIC	38 HAIG RD SINGAPORE 438741	67443741
NAIR SARALA DEVI SANKARAN	RAFFLES HOSPITAL	585 NORTH BRIDGE RD SINGAPORE 188770	63330551
NAM MIN FERN ALVINA	RICHARD CHOO & PARTNERS PTE LTD	LIAT TOWERS 541 #10-02 ORCHARD RD SINGAPORE 238881	
NAVREET KAUR PANNU			
NEO ENG KIONG	NEO CLINIC & SURGERY	257 #01-45 BANGKIT RD SINGAPORE 670257	67625525
NEO TIAM SOON	NEO MEDICAL CENTRE	120 #01-818 POTONG PASIR AVE 1 SINGAPORE 350120	62854210
NEOH CHI LIM	DRS KOO NEOH & ASSOCIATES	CHAI CHEE INDUSTRIAL PARK 750A #08-03 CHAI CHEE RD SINGAPORE 469001	64443233
NEOH SWEE SAN LINDA	NEOH & ONG MEDICAL CLINIC	2A #01-2447 EUNOS CRES SINGAPORE 401002	67423322
NG BOON LUI BENJAMIN	RAFFLES MEDICAL GROUP (BISHAN)	RAFFLES HOSPITAL 585 NORTH BRIDGE RD SINGAPORE 188770	63111221
NG CHEE MING EUGENE	HOPE FAMILY CLINIC & SURGERY	883 #01-470 WOODLANDS ST 82 SINGAPORE 730883	63691328
NG CHOONG KWANG MARK	Shell Eastern Petroleum (Pte) Ltd	PULAU BUKOM PO BOX 1908 1908 #00-00 PULAU BUKOM PO BOX 1908 SINGAPORE 903808	62634951
NG CHYE KHEE	EXXONMOBIL ASIA PACIFIC PTE LTD	18 PIONEER RD SINGAPORE 628498	62303604
NG EIK TIONG	FABER CLINIC & SURGERY	501 #01-284 WEST COAST DR SINGAPORE 120501	67767723
NG HWEE HIN	EVANGEL MEDICAL CLINIC	10 #01-01 CHAI CHEE RD SINGAPORE 467010	64490555
NG JOO MING MATTHEW	CLEMENTI POLYCLINIC	451 #02-307 CLEMENTI AVE 3 SINGAPORE 120451	67775051
NG KECK SIM	PEOPLE'S CLINIC	123 #01-152 BEDOK NORTH ST 2 SINGAPORE 460123	64430261
NG KIM BOON	VISTA MEDICAL CENTRE	ACACIA COURT 2 #01-211 PANDAN VALLEY SINGAPORE 597626	96694100
NG KWEE CHOON	MT. ALVERNIA HOSPITAL	820 THOMSON RD SINGAPORE 574623	63476210
NG MAY MEI	MAY MEDICAL CLINIC & SURG	27A #01-284 COMMONWEALTH AVE SINGAPORE 140027	64727212
NG MIN YIN	FAMILY HEALTH MEDICAL CENTRE	226 #01-681 ANG MO KIO AVENUE 1 SINGAPORE 560226	64541980
NG MONG HOO RICHARD	KIM TIAN CLINIC	71 #01-41 SENG POH RD SINGAPORE 160071	62271612
NG MUI NAI AGNES	LIFE CARE CLINIC	258 #01-42 BUKIT PANJANG RING RD SINGAPORE 670258	67691810
NG SIEW WENG	MHC MEDICAL CENTRE	THE AMARA 165 #04-08A TANJONG PAGAR RD SINGAPORE 088539	62255220

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NG SIM YANG	DRS KOO & NEOH MEDICAL GROUP	ADMIRALTY MRT STN 70 #01-01 WOODLANDS AVE 7 SINGAPORE 738344	63677077
NG SOK BOEY	Drs. Bain & Partners	1 RAFFLES QUAY SINGAPORE 048583	65325522
NG TZE PIN	DEPT COMMUNITY OCCUPATIONAL & F	FACULTY OF MEDICINE 16 MEDICAL DR SINGAPORE 117597	68744967
NG WEE TONG			
NG WEI BUNN	SHENTON MEDICAL GROUP	REPUBLIC PLAZA 9 #29-02 RAFFLES PLACE SINGAPORE 048619	62413298
NYAM NGIAN CHOY RAYMOND	NYAM FAMILY CLINIC	337 BEDOK RD SINGAPORE 469514	64460069
ONG AI LING JULIA	ONG MEDICAL CLINIC & SURG	30 #01-883 BENDEMEER RD SINGAPORE 330030	62911422
ONG BEE SIM	Drs Bain & Partners	1 RAFFLES QUAY SINGAPORE 048583	65325522
ONG CHEE HOOI CHARLES	PRIMEHEALTH MEDICAL GROUP	UE SQUARE 81 #03-22 CLEMENCEAU AVE SINGAPORE 239917	67344666
ONG ENG CHENG	DRS ONG MEDICAL CLINIC	463 #01-560 JURONG WEST ST 41 SINGAPORE 640463	65637934
ONG HOK YU	NEW WORLD CLINIC & SURGERY	NEW WORLD CENTRE 1 #01-02 JLN BERSEH SINGAPORE 209037	63929201
ONG KONG YIOW, ELTON	Fullerton Healthcare Group	EQUITY PLAZA 20 #07-05 CECIL STREET SINGAPORE 049705	65357100
ONG LUE ENG	ONG CLINIC & SURGERY Pte Ltd	265 #01-387 BUKIT BATOK EAST AVE 4 SINGAPORE 650265	67695704
ONG MENG YI	CHONG BOON CLINIC	456 #01-1574 ANG MO KIO AVE 10 SINGAPORE 560456	64551148
ONG PIN KIN	JURONG EAST CLINIC	114 #01-406 JURONG EAST ST 13 SINGAPORE 600114	65608004
ONG SIONG HOON DICKY	LEE CLINIC	467-C JOO CHIAT RD SINGAPORE 427678	64473777
OW BOON HIN	UNIVERSAL MED & DEN CLIN	103 #01-99 YISHUN RING RD SINGAPORE 760103	67589955
P'NG CHIN GUAN JULIAN	TOWN HALL CLINIC	NOL BUILDING 456 #02-01 ALEXANDRA RD SINGAPORE 119962	62788088
PALLATHIL THOMAS VERGIS	AEROMEDICAL CENTRE, HQRSAF	AEROMEDICAL CENTRE 492 AIRPORT RD SINGAPORE 539945	63814311
PANG SEOW CHOON	GETHIN-JONES MEDICAL PRACTICE PT	PSA BUILDING 460 #02-01 ALEXANDRA RD SINGAPORE 119953	62733366
PANG SZE KANG JONATHAN	EVERHEALTH FAMILY CLINIC & SURGE	762 #01-290 JURONG WEST ST 75 SINGAPORE 640762	67933113
PAUL DAVID ROY	JU ENG HOME FOR SENIOR CITIZEN	205 JLN KAYU SINGAPORE 799436	64846890
PEH KENG CHUEN	MHC MEDICAL CENTRE (JURONG)	JURONG POINT SHOPPING CENTRE 1 #06-07 JURONG WEST CENTRAL 2 SINGAPORE 648886	67940070
PHAN OI PENG	THE PEOPLE'S CLINIC	145 #01-161 TECK WHYE AVE SINGAPORE 680145	67693766
PHIPPS MARY ANN	ROYAL MEDICAL CENTRE	111 #01-84 WOODLANDS ST 13 SINGAPORE 730111	63656855
PHUA NGEE BOON	DOVER MEDICAL CENTRE	69 #01-03 AYER RAJAH CRES SINGAPORE 139961	67756266
PILLAI KUMARA PRASAD	PRASAD'S CLINIC	25 NORRIS RD SINGAPORE 208267	62941194
POH CHERN LOONG ANDY	Nanyang Polytechnic	SCHOOL OF HEALTH SCIENCES 180 ANG MO KIO AVENUE 8 SINGAPORE 569830	65501384
POH SEOW HOON	P S MEDICAL CLINIC	118 #01-21 COMMONWEALTH CRES SINGAPORE 140118	64753266
POH SIEW CHENG	K N CHIN AND ASSOCIATES	STRAITS TRADING BUILDING 9 #05-05/07 BATTERY RD SINGAPORE 049910	65389533

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POON LEE KWEE	TWIN CITY MEDICAL GROUP PTE LTD	NGEE ANN CITY, TOWER B 391B #08-07 ORCHARD RD SINGAPORE 238874	62352511
POON WAI KONG	WALK-IN CLINIC, TAN TOCK SENG HOS	11 JLN TAN TOCK SENG SINGAPORE 308433	
PWEE MAY LI EMILY	Raffles Medical Group	RAFFLES HOSPITAL 585 NORTH BRIDGE ROAD SINGAPORE 188770	63111261
QUAH TEE HWA	GETHIN-JONES MEDICAL PRACTICE PT	OCEAN BUILDING 10 #08-05 COLLYER QUAY SINGAPORE 049315	65357100
QUEK CHEE GUAN	UNION CLINIC & SURGERY	722 #01-168 CLEMENTI WEST ST 2 SINGAPORE 120722	67770783
QUEK MONG SENG	CARELINK FAMILY CLINIC	BALESTIER PLAZA 400 #01-09/10 BALESTIER RD SINGAPORE 329802	62545287
QUEK PENG KIANG	CORPORATION CLINIC	253 #01-21 CHOA CHU KANG AVE 1 SINGAPORE 680253	67643085
QUEK PONG THIA JUSTIN	WESLEY FAMILY CLINIC AND SURGERY	265 #01-397 BUKIT BATOK EAST AVE 4 SINGAPORE 650265	65613133
R PONAMPALAM	Singapore General Hospital	OUTRAM ROAD SINGAPORE 169608	63214103
RADHA KRISHNASAMY	Parkway Shenton Pte Ltd	20 #01-02/06 BENDEMEER ROAD SINGAPORE 339914	91919341
RAJIB GHOSH	ST MEDICAL SERVICES PTE LTD	AEROMEDICAL CENTRE 492 AIRPORT RD SINGAPORE 539945	64880612
RAJU CYRIL KISHORE	GOODWILL CLINIC	685 #01-328 RACE COURSE RD SINGAPORE 210685	62929316
RAMDASS HARIDASS	TEKKA CLINIC & SURGERY	668 #02-06 CHANDER RD SINGAPORE 210668	62579551
RANGANATHAN SUDHA			
RANJAN RAMASAMY	MARINA MEDICAL CENTRE	78 #01-39 GUAN CHUAN ST SINGAPORE 160078	62222177
RASANAYAGAM WILMOT RAJASINGAM	THE STRAITS CLINIC	IOI PLAZA 210 #07-01 MIDDLE RD SINGAPORE 188994	63370440
SAID JANJUA MOHAMED	THE KEY CLINIC	4 #01-35 UPP PICKERING ST SINGAPORE 051004	65333033
SEAH CHENG KIAH	SEAH CLINIC	8 #01-44 HOUGANG AVE 3 SINGAPORE 530008	62827254
SEAH SHENG HEANG GEOFFRY	TWIN CITY MEDICAL GROUP PTE LTD	GREAT WORLD CITY EAST TOWER 1 #09-02 KIM SENG PROMENADE SINGAPORE 237994	62351175
SEAH YUN ZHEN VICTOR	TELOK BLANGAH MEDICAL CENTRE	77 #01-244 TELOK BLANGAH DR SINGAPORE 100077	62721062
SEE THO WAI YIN	DRS TRYTHALL HOY DAVIES (PTE) LTD	JURONG POINT 1 #06-01 JURONG WEST CENTRAL 2 SINGAPORE 648886	67930611
SEET SIEW LAN VERONICA			
SENG ENG KAH	AMA KENG CLINIC	492 #01-56 JURONG WEST ST 41 SINGAPORE 640492	65637932
SHEELA NAIR	EXECUTIVE HEALTH SCREENERS PTE	GLENEAGLES HOSPITAL 6A #05-00 NAPIER RD SINGAPORE 258500	64756266
SIAH KIM BIN	TENG CLINIC	171 #00-1101 STIRLING RD SINGAPORE 140171	64733187
SIE SHIN MIN PAUL TIMOTHY	DRS HORNE & CHIN PTE LTD	REPUBLIC PLAZA (PLAZA BLK) 9 #02-22 RAFFLES PL SINGAPORE 048619	64382922
SIM SENG CHYE	TAMPINES MEDICAL CENTRE	267 #01-41 TAMPINES ST 21 SINGAPORE 520267	67815111
SIM WEE PENG	WP SIM FAMILY CLINIC & SURGERY	153 #01-548 SERANGOON NORTH AVE 1 SINGAPORE 550153	62889924

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
SIN WEN YEE	HARMONY FAMILY CLINIC	235 #B1-25 CHOA CHU KANG CENTRAL SINGAPORE 680235	67623979
SIT KOK MENG	YAM MEDICAL GROUP	64 #01-107 YUNG KUANG RD SINGAPORE 610064	62656422
SO TECK BENG	Dr. So Teck Beng Shenton Family Medica	451 #01-309 CLEMENTI AVENUE 3 SINGAPORE 120451	67739150
SOH CHEOW BENG ALOYSIUS	KEPPEL MEDICAL GROUP	9 #01-139 TELOK BLANGAH CRES SINGAPORE 090009	62700846
SOH ENG LIONG LAWRENCE	SHALOM CLINIC & SURGERY	ALEXANDRA VILLAGE 123 #01-104 BUKIT MERAH LANE 1 SINGAPORE 150123	62780270
SOH GUAN CHEOW	UOB VENTURE MANAGEMENT PTE LTD	UOB PLAZA 2 80 #30-20 RAFFLES PL SINGAPORE 048624	65393593
SOH HUN BENG LAWRENCE	SEMBAWANG SHIPYARD MEDICAL CEN	60 ADMIRALTY RD WEST SINGAPORE 759956	67506300
SONG TIONG BENG TIMOTHY PAUL	DRS TANG & PARTNERS PTE LTD	JURONG TOWN 64 #02-109 YUNG KUANG RD SINGAPORE 610064	62656279
SOON YAN HUEY	G.I.F.T. MEDICAL CENTRE	389 UPP ALJUNIED RD SINGAPORE 367874	62861923
SOONG CHUON VUI JOVIAN	SOONG CLINIC AND SURGERY	162 #01-353 MEI LING ST SINGAPORE 140162	64755930
SORINDER SINGH S/O R SINGH	DRS SINGH & PARTNERS	RAFFLES CITY SHOPPING CENTRE 252 #02-16 NORTH BRIDGE RD SINGAPORE 179103	63388883
SUBRAMANIAN SURAJ KUMAR	DRS BAIN & PARTNERS	OCEAN BUILDING 10 #05-06/07 COLLYER QUAY SINGAPORE 049315	65325522
SUN SEE SENG	WEST COAST CLINIC & SURG	722 #01-162 CLEMENTI WEST ST 2 SINGAPORE 120722	67770183
SUNG SIEW KHIM	SUNG SURGERY	MOUNT ELIZABETH MEDICAL CENTRE 3 #11-01 MT ELIZABETH SINGAPORE 228510	67374588
SURESH RAMCHAND MAHTANI	S G CLINIC FAMILY PRACTICE	84 SERANGOON GDNS WAY SINGAPORE 555980	63821988
SWEE YONG PENG	GLENEAGLES HOSPITAL (A & E UNIT)	6A NAPIER RD SINGAPORE 258500	64705688
TAN BAN KOK	BAN KOK CLINIC & SURGERY	146 #01-141 POTONG PASIR AVE 1 SINGAPORE 350146	62869955
TAN BAN LEONG	Ang Mo Kio - Thye Hua Kwan Hospital	ANG MO KIO COMMUNITY HOSPITAL 17 ANG MO KIO AVENUE 9 SINGAPORE 569766	64506139
TAN BEE LEE PHILIP	CORPORATION CLINIC	507 #01-156 JURONG WEST ST 52 SINGAPORE 640507	65646745
TAN BENG SIM VINCENT	TANGLIN MEDICAL CLINIC	TANGLIN SHOPPING CENTRE 19 #06-10 TANGLIN RD SINGAPORE 247909	67343831
TAN BIN SENG	OCCUPATIONAL HEALTH CLINIC	537 #01-557 BEDOK NORTH ST 3 SINGAPORE 460537	62434175
TAN BUAY IMM	SINCERE MED & DENTAL CLIN	292 #01-285 YISHUN ST 22 SINGAPORE 760292	67525078
TAN CHAI LEE @ CHOI LEE	TAN-TEOH CLIN & SURGERY	101 #01-216 TOWNER RD SINGAPORE 322101	62992292
TAN CHAY HUAT JOHN	PRIMECARE MEDICAL CLINIC	681 #01-823 HOUGANG AVE 8 SINGAPORE 530681	63863007
TAN CHEK WEE	Thong Teck Home for Senior Citizen	91 GEYLANG EAST AVE 2 SINGAPORE 389759	62736632
TAN CHIN HOR	EASTERN CLINIC & SURGERY	318 #01-48 JURONG EAST ST 31 SINGAPORE 600318	65631206
TAN CHIN LEONG	CHIN LEONG CLINIC	GINZA PLAZA 154 #01-123 WEST COAST RD SINGAPORE 127371	67789493
TAN CHONG BIN	WEST COAST CLINIC & SURG	517 #01-561 WEST COAST RD SINGAPORE 120517	67760424

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
TAN EE LING	UNIVERSITY HLTH & WELLNESS CENTR	YUSOF ISHAK HOUSE 95 #04-00 LOWER KENT RIDGE RD SINGAPORE 119078	68742457
TAN EILEEN	changi general hospital	2 SIMEI ST 3 SINGAPORE 529889	
TAN ENG CHUN	Alexandra Hospital	CLINIC B ALEXANDRA ROAD SINGAPORE 159964	63793228
TAN GEK NGOR	PARKWAYHEALTH PRIMARY CARE NET	THE ARCADE 11 #19-01 COLLYER QUAY SINGAPORE 049317	65079700
TAN GEK YIN CHRISTINE	TOWNHALL CLINIC	NOL BLDG 456 #02-01 ALEXANDRA RD SINGAPORE 119915	62788088
TAN GEK YOUNG	MERIDIAN POLYCLINIC & SURGERY	136 #01-162 BEDOK NORTH AVE 3 SINGAPORE 460136	64445255
TAN HENG KWANG	NEIGHBOURHOOD MED CLINIC	683 #01-901 HOUGANG AVE 8 SINGAPORE 530683	63853086
TAN HOCK HENG	Changi General Hospital	CHANGI GENERAL HOSPITAL 2 SIMEI STREET 3 SINGAPORE 529889	68501687
TAN HUI MIEN HELEN	PACIFIC MEDICARE FAMILY CLINIC PTE	253 #01-227 JURONG EAST ST 24 SINGAPORE 600253	65698188
TAN JOONG PIANG	UNITED MED PRACTITIONERS	201B #01-1065 TAMPINES ST 21 SINGAPORE 522201	67832266
TAN KAH LEONG ALVIN	Changi General Hospital	CHANGI GENERAL HOSPITAL 2 SIMEI STREET 3 SINGAPORE 529889	68503778
TAN KENG CHIEW	HUANG BABY & CHILD CLINIC PTE LTD	MOUNT ELIZABETH MEDICAL CENTRE 3 #10-03 MT ELIZABETH SINGAPORE 228510	
TAN KIAW KUANG	FAMILY CLINIC	103 #01-73 YISHUN RING RD SINGAPORE 760103	67585151
TAN KIM KIAT	CHOA CHU KANG POLYCLINIC	2 #01-00 TECK WHYE CRES SINGAPORE 688846	67659659
TAN KIM SONG MICHAEL	SHENTON MEDICAL GROUP (ORCHARD	THE ATRIUM @ ORCHARD TOWER TWO 60B #01-19 ORCHARD ROAD SINGAPORE 238891	62277777
TAN KIN THENG	TAN CLINIC & SURGERY	725 #01-194 CLEMENTI WEST ST 2 SINGAPORE 120725	67779069
TAN KOK ENG	SHENTON CLINIC	498 #01-464 JURONG WEST ST 41 SINGAPORE 640498	65654442
TAN KOK JIN	MEDICUS CLINIC & SURGERY	451 #01-186 JURONG WEST ST 42 SINGAPORE 640451	65657770
TAN LAI HOCK	STAMFORD MEDICAL GROUP	966 #01-219 JURONG WEST ST 93 SINGAPORE 640966	67917735
TAN LAI YONG	MANHATTAN MEDICAL CENTER	MANHATTAN HOUSE 151 #01-10 CHIN SWEE RD SINGAPORE 169876	67322332
TAN LAY KEANG	TAN LEE CLINIC PTE LTD	446 #01-126 PASIR RIS DR 6 SINGAPORE 510446	65827448
TAN LAYE SUAN GLADYS	KHOO CLINICS	15 #02-94 HOLLAND DR SINGAPORE 271015	67783187
TAN LEA KHIM	SINCERE MED & DENTAL CLIN	292 #01-285 YISHUN ST 22 SINGAPORE 760292	67525078
TAN LIP HONG	EE CLINIC	128 #01-1859 ANG MO KIO AVE 3 SINGAPORE 560128	64521042
TAN MAY HUA LINDA	ISLAND GROUP CLINIC	FAR EAST SHOPPING CENTRE 545 #B1-01/04 ORCHARD RD SINGAPORE 238882	67377729
TAN RU YUH	TAN-TEOH CLINIC & SURGERY	C/O SEAGATE WELLNESS CENTRE 7000 ANG MO KIO AVE 5 SINGAPORE 569877	64852525
TAN SAI TIANG	SATA	17 KRETA AYER ROAD SINGAPORE 088989	63722175
TAN SEE LENG	HEALTHWAY MEDICAL GROUP	DBS BUILDING TOWER TWO 6 #12-10 SHENTON WAY SINGAPORE 068809	62202383

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Name	Clinic Name	Address	Tel No
TAN SEOK LENG	SHENTON MEDICAL GROUP	THE CORPORATE OFFICE 138 #16-01/02 ROBINSON RD SINGAPORE 068906	62223626
TAN SHING SAN	S S TAN MEDICAL CLINIC	744 #01-195 YISHUN ST 72 SINGAPORE 760744	67583952
TAN SIAK KHIM	THE DRX CLINIC	HENDERSON INDUSTRIAL PARK 213 #01-08 HENDERSON ROAD SINGAPORE 159553	62239555
TAN SOK MIANG		19 JLN CHENGKEK SINGAPORE 369238	67454823
TAN SUAN BOO	GRACE CLINIC & SURGERY	607 #01-1295 ANG MO KIO AVE 4 SINGAPORE 560607	64584280
TAN TECK HONG	EXCELSIOR CLINIC AND SURGERY	283 #01-261 BUKIT BATOK EAST AVE 3 SINGAPORE 650283	65673822
TAN TECK JACK	531 CLINIC & SURGERY	531 #01-692 BEDOK NORTH ST 3 SINGAPORE 460531	64412402
TAN TECK SHI	DRS KOO, NEOH & ASSOCIATES	CHAI CHEE INDUSTRIAL PARK 750A #08-03 CHAI CHEE RD SINGAPORE 469001	64443233
TAN TIAH KUAN KENNETH	TAN & TAN CLINIC	183 #01-546 BOON LAY DR SINGAPORE 640183	62652968
TAN TIONG HENG RICHARD	ELIM FAMILY CLINIC & SURGERY	221 EAST COAST ROAD SINGAPORE 428918	64400460
TAN TONG NAM	UNIVERSITY HEALTH SERVICE, NUS	NUS 10 KENT RIDGE CRES SINGAPORE 119260	68742530
TAN WAH SAN	PANDAN CLINIC PTE LTD	415 #01-115 PANDAN GDNS SINGAPORE 600415	65603186
TAN WEE LIN	Parkway Shenton Pte Ltd	20 #01-02-06 BENDEMEER ROAD SINGAPORE 339914	62277777
TAN YANG KHAI	TECK GHEE CLINIC	451 #01-1765 ANG MO KIO AVE 10 SINGAPORE 560451	64527971
TAN YONG KUAN ADRIAN	HEALTHMARK JURONG WEST CLINIC	PIONEER MALL 638 #02-08 JURONG WEST STREET 61 SINGAPORE 640638	67421812
TANG PETER @ THANG SHAI KWONG PETER	DR K N CHIN & ASSOCIATES	STRAITS TRADING BLDG 9 #05-05/07 BATTERY RD SINGAPORE 049910	65389533
TAY BOON CHYE PETER		UE SQUARE 83 CLEMENCEAU AVE SINGAPORE 229920	63848617
TAY KOK LING	K.L.TAY CLINIC & SURGERY	632 #01-822 BEDOK RESERVOIR RD SINGAPORE 470632	64481630
TAY PENG LENG	TAN-TEOH CLINIC & SURGERY	101 #01-216 TOWNER RD SINGAPORE 322101	62992292
TAY SIEW TEE CELENA	FAMILY MEDICAL CLINIC PTE LTD	2803 #01-317 BUKIT BATOK EAST AVE 3 SINGAPORE 650280	65676775
TAY SOI KHENG	S K TAY CLINIC & SURGERY	827 #01-140 TAMPINES ST 81 SINGAPORE 520827	67836611
TEO KENG GIN CLARENCE	DRS BAIN & PARTNERS	OCEAN BUILDING 10 #05-06/07 COLLYER QUAY SINGAPORE 049315	65325522
TEO KIAN TONG	POINT MEDICAL GROUP	399 #01-31 YUNG SHENG RD SINGAPORE 610399	62656587
TEO KWANG JOO	HQ Medical Corps	AFPN 1202 701 #04-01 TRANSIT ROAD SINGAPORE 778910	64505441
TEO POH CHOO	THOMSON LIFESTYLE CENTRE	THOMSON MEDICAL CENTRE 339 #05-00 THOMSON RD SINGAPORE 307677	63526550
TEO TIONG KIAT	TEO CLINIC & SURGERY	352 #01-111 CLEMENTI AVE 2 SINGAPORE 120352	67760216
TEOH GUAN PIN	G P MEDICAL CENTRE & SURGERY	PARK LANE SHOPPING MALL 35 #03-25 SELEGIE RD SINGAPORE 188307	63397576
TEOW KAY LEONG ROY	UNITED HEALTH FAMILY CLINIC AND S	627 #01-63 YISHUN ST 61 SINGAPORE 760627	62571182

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Name	Clinic Name	Address	Tel No
THAM PAK ONN	THAM DISPENSARY	516 GEYLANG RD SINGAPORE 389472	67440532
THAM TAT YEAN	UBI MEDICAL CLINIC	305 #01-165 UBI AVENUE 1 SINGAPORE 400305	67460909
THIO YAUW LENG BERNARD	DRS HORNE & CHIN PTE LTD	SHAW CENTRE 1 #17-01 SCOTTS RD SINGAPORE 228208	67371377
THOMAS MARCUS	JURONG CENTRE CLINIC PTE LTD	399 #01-31 YUNG SHENG RD SINGAPORE 610399	62656587
THONGUDOMPORN PRADIT @ YEOH OUI HU	DRS TRYTHALL, HOY, DAVIES (PTE) LT	JURONG POINT 1 #06-01 JURONG WEST CENTRAL 2 SINGAPORE 648886	67930611
THOR GUAT NGOH	HEALTHCARE CLINIC & SURG	212 #01-319 HOUGANG ST 21 SINGAPORE 530212	62881133
TIRTASANA, LILY (MRS NEO)	TANGLIN HALT CLINIC	39 #01-119Q TANGLIN HALT RD SINGAPORE 143039	64726226
TJANG TJUNG FA FRANCIS	MOUNT ALVERNIA HOSPITAL	820 THOMSON RD SINGAPORE 574623	63476210
TOH BENG CHYE	MILLENNIUM MEDICAL GROUP	533 #01-33 CHOA CHU KANG ST 51 SINGAPORE 680533	67656685
TOH CHAN CHEONG RICHARD	TIONG BAHRU MEDICAL CENTRE	CENTRAL PLAZA 298 #01-03/04 TIONG BAHRU RD SINGAPORE 168730	62727966
TOH HO SING MICHAEL	FU-XING CLINIC	161 #01-3737 BUKIT MERAH CENTRAL SINGAPORE 150161	62731000
TOH KOK THYE	OXFORD CLINIC & SURGERY	356 #01-797 HOUGANG AVE 7 SINGAPORE 530356	62825246
TOK CHOO BENG VINCENT	SHALOM MEDICAL DENTAL GROUP PTI	BRAS BASAH COMPLEX 231 #03-57 BAIN ST SINGAPORE 180231	63371884
TONG JIA JONG STEPHEN	HEALTHWAY MEDICAL GROUP (FAJAR)	SUN PLAZA 30 #03-06 SEMBAWANG DR SINGAPORE 757713	65551445
TONG THEAN SENG REGINALD	MARSILING CLINIC & SURGERY	1 #01-87/89 MARSILING DR SINGAPORE 730001	62696234
TSUI SEUNG HAN IDA	PAUL'S CLINIC	WISMA ATRIA 435 #11-01 ORCHARD RD SINGAPORE 238877	62352511
UNG EUGENE	MERIDIAN MEDICAL CENTRE	327 #01-162 HOUGANG AVE 5 SINGAPORE 530327	62825205
VIRABHAK NAI KARIN	DRS TANG, VIRABHAK & PARTNERS	DBS TOWER TWO 6 #21-10 SHENTON WAY SINGAPORE 068809	62279918
WEE CHEE CHAU	WEE'S FAMILY CLIN & SURG	88 #01-865 WHAMPOA DR SINGAPORE 320088	62521231
WEE HUAT LEONG PETER	ST LUKE'S HOSPITAL	2 BUKIT BATOK ST 11 SINGAPORE 659674	
WEE JOO LING MARY	ROCHOR CENTRE CLINIC	ROCHOR CENTRE 1 #02-534 ROCHOR RD SINGAPORE 180001	62928327
WEE SIP LEONG VICTOR	KIN MUN CLINIC	66 #01-319 LOR 4 TOA PAYOH SINGAPORE 310066	62566353
WEE WEI KEONG			
WEE YEW JONG	EASTERN CLINIC & DENTAL	303 #01-92 JURONG EAST ST 32 SINGAPORE 600303	65622941
WEN WAI MENG	JURONG CENTRE CLINIC PTE LTD	399 #01-31 YUNG SHENG RD SINGAPORE 610399	62656587
WONG BOON NGIN GERARD ALPHONSUS	CENTRE FOR DRUG EVALUATION	HEALTH SCIENCES AUTHORITY 5 HOSPITAL DR SINGAPORE 169609	63253771
WONG FOOK MENG WILSON	RAFFLES MED GROUP (CLINIC NETWO	RAFFLES HOSPITAL 585 #11-00 NORTH BRIDGE RD SINGAPORE 188770	63111608
WONG KAI CHEONG	DRS OH, LIM, WONG & PARTNERS	959 #01-154 JURONG WEST ST 92 SINGAPORE 640959	67913988
WONG SIN HEE	WONG CLINIC & SURGERY	338 #01-1671 ANG MO KIO AVE 1 SINGAPORE 560338	64520783

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WONG TECK CHEUNG	CHARIS CLINIC	164 #01-295 TAMPINES ST 12 SINGAPORE 521164	67822332
WONG TOON KWOK	T K WONG CLINIC & SURGERY	638 #01-28 BUKIT BATOK CENTRAL SINGAPORE 650638	65666542
WONG WENG HONG	Healthway Family Clinic	283 #01-197 BISHAN ST 22 SINGAPORE 570283	
WONG WENG YEW	Greenlife Clinic & Surgery	SEMBAWANG MRT STATION 11 #02-01 CANBERRA ROAD SINGAPORE 759775	67562676
WONG YIK MUN	THE MING CLINIC	THE CAMDEN MEDICAL CENTRE 1 #04-01 ORCHARD BOULEVARD SINGAPORE 248649	62358166
WONG YOKE CHEONG	Y C WONG CLINIC	JLN BESAR PLAZA 101 #02-38 KITCHENER RD SINGAPORE 208511	62915338
WONG YONG CHOW	KONG LING CLINIC	82 #01-21 MACPHERSON LANE SINGAPORE 360082	67452327
WONG YUEN POH	WONG'S CLINIC	197 UPP THOMSON RD SINGAPORE 574341	62564215
WOO KIN FATT	AGAPE CLINIC	222 #B1-169 BISHAN ST 23 SINGAPORE 570222	64548535
WOO SIEW FONG	RIDGEWOOD MEDICAL CLINIC	RIDGEWOOD CONDO 5 RIDGEWOOD CLOSE SINGAPORE 276696	64691666
WOO SIEW KHENG NEE FOONG	KANG CLINIC	1 #01-11 SELETAR RD SINGAPORE 800001	64811044
WOON CHEE HONG	LIFELINE YISHUN RING MEDICAL CLINIC	846 #01-3615 YISHUN RING RD SINGAPORE 760846	67522017
WU DAH WEI DAVID @ WU WAI YEE	GETHIN-JONES MEDICAL PRACTICE PT	OCEAN BUILDING 10 #08-05 COLLYER QUAY SINGAPORE 049315	65357100
WU EU HENG	WU CLINIC & SURGERY	249 #01-78 JURONG EAST ST 24 SINGAPORE 600249	65611672
WU MING-JARK BASIL	UNIVERSITY HEALTH AND WELLNESS (	YUSOF ISHAK HOUSE 31 #04-00 LOWER KENT RIDGE ROAD SINGAPORE 119078	65165480
YAM KOK CHOY	MOUNT ALVERNIA HOSPITAL	820 THOMSON RD SINGAPORE 574623	
YAP BOH WEI	YAP MEDICARE CLINIC & SURGERY	8 #01-03 EMPRESS RD SINGAPORE 260008	64712338
YAP CHEE LIP	GENERAL OUTPATIENT CLINIC PTE LTD	ANG MO KIO COMMUNITY HOSPITAL 17 #02-07/08 ANG MO KIO AVE 9 SINGAPORE 569766	64592385
YAP SIONG YEW	CASHEW MEDICAL & SURGERY	FAJAR SHOPPING CENTRE 445 #02-522 FAJAR RD SINGAPORE 670445	67634255
YAP SOO KOR JASON	SHENTON MEDICAL GROUP	THE EXCHANGE 9 #29-02 RAFFLES PL SINGAPORE 048619	65345343
YAP THERESA	YANG & YAP CLINIC/YANGS SKIN CENT	537 #01-571 BEDOK NORTH ST 3 SINGAPORE 460537	64412481
YAP YEW-CHONG BERNARD	LIAN CLINIC	18 #01-269 MARSILING LANE SINGAPORE 730018	62697435
YAP YONG SANG	SHERATON MEDICAL CLINIC	681 #01-843 HOUGANG AVE 8 SINGAPORE 530681	63864088
YEE LIONG CHONG	TEMASEK MEDICAL CLINIC	212 #01-41 LOR 8 TOA PAYOH SINGAPORE 310212	62523206
YEO KHIAN KIAT	DRS HORNE & CHIN PTE LTD	REPUBLIC PLAZA 9 #02-22 RAFFLES PL SINGAPORE 048619	64382922
YEO KWAN CHING	WEST COAST CLINIC & SURG	517 #01-561 WEST COAST RD SINGAPORE 120517	67760424
YEO LOCK PEOW	GETHIN-JONES MEDICAL PRACTICE PT	THE HEEREN 260 #07-08/09 ORCHARD RD SINGAPORE 238855	67370077
YEO PENG HOCK HENRY	BEDOK MEDICAL CENTRE	18 #01-57 BEDOK SOUTH RD SINGAPORE 460018	62414111

Designated Workplace Doctors For All Hazards

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Name	Clinic Name	Address	Tel No
YEO PHENG NAM CHARLES	BOON KENG CLINIC & SURGERY	11 #01-919 UPP BOON KENG RD SINGAPORE 380011	67465456
YEO SHENG MING, NOEL	Healthway Medical Group	THYE HONG CENTRE 2 #02-07 LENG KEE ROAD SINGAPORE 159086	65180191
YEO WEI MIN SHARON	MEDICINE, CGH	2 SIMEI ST 3 SINGAPORE 529889	67888833
YEOH SIN HOCK	VICTORIA MEDICAL HALL, CLINIC & SUI	RAFFLES HOTEL ARCADE 328 #03-02 NORTH BRIDGE RD SINGAPORE 188719	63341808
YEONG CHENG HONG	818 FAMILY CLINIC AND SURGERY	818 #01-421 WOODLANDS ST 82 SINGAPORE 730818	63636903
YEONG SENG COO	DRS BAIN & PARTNERS	SHAW HOUSE 350 #15-05/06 ORCHARD RD SINGAPORE 238868	67375211
YEOW MONG OON BATTY	FAMILY MEDICAL SURGERY	302 #01-1836 ANG MO KIO AVE 3 SINGAPORE 560302	64579977
YIK CHOR YEONG	DRS BAIN & PARTNERS	SHAW HOUSE 350 #15-05/06 ORCHARD RD SINGAPORE 238868	67375211
YIP CHEE WEI			
YIP MANG MENG	KRANJI MEDICAL CLINIC PTE LTD	281 KRANJI RD SINGAPORE 739514	63670968
YONG BO LING	NEIGHBOURHOOD CLINIC	284 #01-207 BISHAN ST 22 SINGAPORE 570284	
YONG CHEE FAH	YONG CLINIC & SURGERY	632 #01-06 YISHUN ST 61 SINGAPORE 760632	67531803
YONG CHONG KIAT	KONG KIAN CLINIC	187 UPP PAYA LEBAR RD SINGAPORE 534869	62887101
YONG YAO SIONG	Singapore General Hospital	SINGAPORE GENERAL HOSPITAL 1 HOSPITAL DRIVE SINGAPORE 169608	63266750
YOONG IT SIANG	YOONG FAMILY CLINIC & SURGERY	333 #01-536 TAMPINES ST 32 SINGAPORE 520333	67826167
YUEN CHUEN FONG RAYMOND	HOSANNA MEDICAL CENTRE	51 #01-797 CIRCUIT RD SINGAPORE 370051	67461772
YUEN JYE	CHONG'S CLINIC	234 UPP THOMSON RD SINGAPORE 574365	64536492
ZEE KOK ONN	BEDOK MEDICAL ASSOCIATES	88 #01-139 BEDOK NORTH ST 4 SINGAPORE 460088	64431780

Designated Workplace Doctors For Compressed Air Environment

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Name	Clinic Name	Address	Tel No
ANG EE LEONG	TAMPINES CLINIC	139 #01-10 TAMPINES ST 11 SINGAPORE 521139	67810072
ANG TECK KEE			
ANTONY CHARLES RABIND	A & E, SGH	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	63214100
BIN WERN HSIEN	Changi General Hospital	ANAESTHESIA 2 #0-0 SIMEI ST 3 SINGAPORE 529889	
CHAI YI ANN LOUIS	MEDICINE, NUH	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	
CHAN CHI KIONG CLIFTON	S'PORE WOMEN'S CLINIC	352 #01-127 CLEMENTI AVE 2 SINGAPORE 120352	67761966
CHAN POH CHONG	NUH DEPT OF PAEDIATRICS	5 LOWER KENT RIDGE RD SINGAPORE 119074	67795555
CHAN TAT KEONG	SINGAPORE NATIONAL EYE CENTRE	11 THIRD HOSPITAL AVE SINGAPORE 168751	62277255
CHAN YEOW	ANAESTHESIA, TTSH	TAN TOCK SENG HOSPITAL 11 JLN TAN TOCK SENG SINGAPORE 308433	63577771
CHEE WANG CHENG NELSON	ENT DEPT, TTSH	11 JLN TAN TOCK SENG SINGAPORE 308433	63577742
CHEN WEIDA IAN			
CHEN YUAN TUD	Changi General Hospital	CHANGI GENERAL HOSPITAL 2 SIMEI ST 3 SINGAPORE 529889	67888833
CHENG SHIN CHUEN	GEN SURGERY, TTSH	11 JLN TAN TOCK SENG SINGAPORE 308433	
CHEOK RUJIN NICHOLAS	Republic of Singapore Navy	126 TANAH MERAH COAST ROAD SINGAPORE 498822	
CHEONG KENG FATT	NUH DEPT OF ANAESTHESIA	5 LOWER KENT RIDGE RD SINGAPORE 119074	67724207
CHEW CHEE PING			
CHEW TAI LOON KELVIN	ALEXANDRA HOSPITAL	SPORTS MEDICINE SERVICE 378 ALEXANDRA RD SINGAPORE 159964	
CHEW TEC HOCK JEFFREY	ORTHOPAEDIC SURGERY	TAN TOCK SENG HOSPITAL 11 JLN TAN TOCK SENG SINGAPORE 308433	62566011
CHEW TEC HUAN STEPHEN	DEPT OF RENAL MEDICINE	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	62223322
CHIA KIAN CHUA	ADVANCE CLINIC & SURGERY PTE LTD	301 #01-269 UBI AVENUE 1 SINGAPORE 400301	67421156
CHIA KOK KIONG JASON	CHANGI GENERAL HOSPITAL	CHANGI GENERAL HOSPITAL 2 SIMEI STREET 3 SINGAPORE 529889	68503502
CHIA SHI-LU	ORTHOPAEDIC SURGERY	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	
CHIM WEI MING HARVEY	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
CHING CHI KEONG	NATIONAL HEART CENTRE	MISTRI WING 17 THIRD HOSPITAL AVE SINGAPORE 168752	67888833
CHIONG EDMUND	SURGERY, NUH	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	67795555
CHIONH CHANG YIN	GENERAL MEDICINE, TTSH	TAN TOCK SENG HOSPITAL 11 JLN TAN TOCK SENG SINGAPORE 308433	

Designated Workplace Doctors For Compressed Air Environment

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Name	Clinic Name	Address	Tel No
CHNG SENG LEE JERRY	MHC Medical Centre (Jurong Point)	JURONG POINT SHOPPING CENTRE 1 #06-07 JURONG WEST CENTRAL 2 SINGAPORE 648886	68502330
CHONG CHIN TED	KK Women & Children Hospital	KK WOMEN & CHILDREN HOSPITAL 100 BUKIT TIMAH RD SINGAPORE 229899	
CHONG KHIN SZE ALPHONSUS	HAND & RECON MICROSURGERY	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	
CHONG SI JACK	HQ MEDICAL CORPS, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
CHOO CHEE HOE IVAN	CNMO	AFPN 6060 36 ADMIRALTY RD WEST SINGAPORE 759960	67505545
CHOO TZE LIANG JONATHAN	A & E	K K HOSPITAL 100 BUKIT TIMAH RD SINGAPORE 229899	
CHOW HUI JEREMY	Changi General Hospital	2 SIMEI ST 3 SINGAPORE 529889	
CHOW WEIEN	HQ Medical Corp SAF	AFPN 1202 701 TRANSIT RD SINGAPORE 778910	
CHUA SI YONG IVAN	SAF	215 TANAH MERAH COAST ROAD SINGAPORE 498822	65444949
CHUA THIAM ENG	Cambridge Clinic	333 #03-27 KRETA AYER ROAD SINGAPORE 080333	63271252
CHUA TJUN HUAT IVAN			
DAVID PAUL BELL	ORTHOPAEDIC SURGERY	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	
EDMOND PHUA BENG KIAT	Changi General Hospital	CHANGI GENERAL HOSPITAL 2 SIMEI STREET 3 SINGAPORE 529889	68503831
EE GUAN LIANG ADRIAN	SINGHEALTH Health Service Pte Ltd	HEALTH PROMOTION BOARD 3 #06-00 SECOND HOSPITAL AVE SINGAPORE 168937	62364800
ENG HSI KO PETER	SGH DEPT OF ENDOCRINOLOGY	6 OUTRAM RD SINGAPORE 169608	63214654
FAN BINGWEN, EUGENE			
FONG WENG SENG WARREN			
FOO CHONG WEE			
FOO CHUAN KIT	CHANGI GENERAL HOSPITAL	2 SIMEI ST 3 SINGAPORE 529889	68502390
GAY SIOK HUN	MInistry of Manpower	MINISTRY OF MANPOWER BUILDING 18 #05-01 HAVELOCK ROAD SINGAPORE 059764	63171107
GOH CHIN HONG			
GOH KIAN PENG	alexandra hospital	ALEXANDRA HOSPITAL 378 ALEXANDRA RD SINGAPORE 159964	67673403
GOH KIAT SERN	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
GOH KYE HOCK ROBIN	HQ medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
HARIDAS GANESAN BALADAS	ALEXANDRA HOSP - DEPT OF SURGERY	378 ALEXANDRA RD SINGAPORE 159964	64722000
HAU TAH WEI	CHOA CHU KANG POLYCLINIC	2 #01-00 TECK WHYE CRES SINGAPORE 688846	
HO BOON HOR	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	

Designated Workplace Doctors For Compressed Air Environment

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Name	Clinic Name	Address	Tel No
HO KOK YUEN	ANAESTHESIA	KK HOSPITAL 100 BUKIT TIMAH RD SINGAPORE 229899	
HO LIK MAN		215 TANAH MERAH COAST ROAD SINGAPORE 498822	
HO ZHIRUI, SHAUN	Republic of Singapore Navy	215 TANAH MERAH COAST ROAD SINGAPORE 498822	
HOW YEW CHEN JIMMY	SINGAPORE ANGLICAN WELFARE COUNCIL	1 ELLIOT RD SINGAPORE 458686	64462751
JIMMY CHIN CHEE MING	Khoo Teck Puat Hospital, Alexandra Health Group	90 #6-64 YISHUN CENTRAL SINGAPORE 768828	66023064
JOHN ALLUMOOTIL BENJAMIN	A. B. JOHN ENT CLINIC AND SURGERY PTE LTD	MT ELIZABETH MEDICAL CENTRE 3 #15-10 MT ELIZABETH SINGAPORE 228510	67359654
KANG WEE LEE	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	68507887
KAY AIH BOON ERWIN	KCS MEDICAL CENTRE (BEDOK NORTH)	515 #01-205 BEDOK NORTH AVE 2 SINGAPORE 460515	67757115
KEE CHIN LEONG ADRIAN			
KEVIN KOO OON THIEN			
KIM SOO JOANG	HYPERBARIC MEDICINE CENTRE	NATIONAL NEUROSCIENCE INSTN 11 #B1-00 JLN TAN TOCK SENG SINGAPORE 308433	64880618
KOH CHUNG FAI	C F KOH WOMEN'S CLINIC & GYNAE-ONCOLOGY SUR	MT ELIZABETH MEDICAL CENTRE 3 #04-06 MT ELIZABETH SINGAPORE 228510	68349891
KOK HONG KHEONG	NEW CHANGI HOSP DEPT OF ANAESTHESIA	2 SIMEI ST 3 SINGAPORE 529889	67888833
KWEK WEI MING			
KWOK WEI LIANG	Navy Medical Service, Republic of Singapore Navy	215 #02-43 TANAH MERAH COAST ROAD SINGAPORE 498822	65445883
LAI JUNXU	Navy Medical service	215 TANAH MERAH COAST ROAD SINGAPORE 498822	
LAU TEH YEE	Hwang & Liang Family Clinic & Surgery	476 #01-173 TAMPINESE ST 44 SINGAPORE 520476	
LAW ZHIWEI DAVID			
LEE CHIN HWEE	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
LEE CHUN YUE	A & E DEPT	378 ALEXANDRA RD SINGAPORE 159964	63793168
LEE CHUNG YIN	NATIONAL HEART CENTRE	MISTRI WING, S'PORE GEN HOSP 17 THIRD HOSPITAL AVE SINGAPORE 168752	64367545
LEE HSIEN CHIEH			
LEE JOHN BOSCO	HQ MEDICAL CORPS, SAF	11 #22-16 HOLLAND DRIVE SINGAPORE 778910	
LEE KIN WENG			
LEE PIAO JARROD	HQ MED CORP, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
LEE SOON SENG	JURONG POLYCLINIC	190 JURONG EAST AVE 1 SINGAPORE 609788	66656108
LEE TZE WEE	TUAS MEDICAL CENTRE	TUAS NAVAL BASE 321 PIONEER SECTOR 2 SINGAPORE 620321	68642995

Designated Workplace Doctors For Compressed Air Environment

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Name	Clinic Name	Address	Tel No
LEE YUNG SENG	DEPT OF PAEDIATRICS	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	67724420
LEONG KWOK WAH	anaesthesia tan tock seng hospital	11 JALAN TAN TOCK SENG SINGAPORE 308433	65444901
LI YUNKAI ANDREW			
LIANG WEIHAO			
LIE KHONG CHIN EDMOND	CLEMENTI FAMILY HEALTHPOINT CLIN	308 #01-351 CLEMENTI AVE 4 SINGAPORE 120308	67744373
LIEM YEW KAN	NATIONAL HEALTHCARE GROUP (GMTI)	GMTI BUILDING 6 #06-00 COMMONWEALTH LANE SINGAPORE 149547	64718900
LIM AH LEEK DONALD	SHELL CLINIC	83 CLEMENCEAU AVENUE SINGAPORE 239920	63848234
LIM BOON HOWE EDWIN	SIMS DR MEDICAL SURGERY	53 #01-174 SIMS PL SINGAPORE 380053	67411607
LIM CHWEE MING	ORTHOPAEDIC SURGERY, AH	ALEXANDRA HOSPITAL 378 ALEXANDRA RD SINGAPORE 159964	
LIM FUNG YEN JEREMY	SURGERY, SGH	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	
LIM GHEE HIAN	A & E DEPT	TAN TOCK SENG HOSPITAL 11 JLN TAN TOCK SENG SINGAPORE 308433	63578777
LIM HEUK YEW	MY FAMILY CLINIC (BUKIT PANJANG)	GREENRIDGE SHOPPING CENTRE 524A #02-13 JELAPANG RD SINGAPORE 671524	67636838
LIM HONG LIANG	NUH DEPT OF MED ONCOLOGY	5 LOWER KENT RIDGE RD SINGAPORE 119074	67795555
LIM SEE MING			
LIM WEE KIAK	OPHTHALMOLOGY, SNEC	11 THIRD HOSPITAL AVE SINGAPORE 168751	
LIM WEE PENG			
LIN XIAOHUI IVAN			
LOH PUI CHORNG LINUS			
LOH ZHI MING	ENT, Changi General Hospital	CHANGI GENERAL HOSPITAL 2 SIMEI ST 3 SINGAPORE 529889	
LOOK CHEE MENG MELVIN	DEPT OF GENERAL SURGERY	TAN TOCK SENG HOSPITAL 11 JLN TAN TOCK SENG SINGAPORE 308433	62566011
LOW FATT HOE ADRIAN	CARDIOLOGY, NATIONAL UNIVERSITY HOSPITAL	5 LOWER KENT RIDGE RD SINGAPORE 119074	67795555
LOW JEN HUI JEFFREY	GYNAECOLOGICAL ONCOLOGY, KANDANG KERBAU WOMEN AND CHILDREN HOSP	100 BUKIT TIMAH RD SINGAPORE 229899	62934044
LOW LEE YONG	THE FAMILY CLINIC	10 #01-104 GHIM MOH RD SINGAPORE 270010	64689664
LOW WONG KEIN CHRISTOPHER	ENT DEPT SGH	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	63214488
MENON DILIP PRABHAKARAN	NAVAL MED HYPERBARIC CENTRE	ASPN6060 SEMBAWANG CAMP 36 #01-02 ADMIRALTY RD SINGAPORE 759960	62573322
NG CHUNG SIEN	CHANGI GENERAL HOSPITAL	CHANGI GENERAL HOSPITAL 2 SIMEI STREET 3 SINGAPORE 529889	
NG HONG YI			
NG SU WEI BRYAN	Anaesthesia	5 LOWER KENT RIDGE RD SINGAPORE 119074	

Designated Workplace Doctors For Compressed Air Environment

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Name	Clinic Name	Address	Tel No
NG TAY MENG	NG TAY MENG GASTROINTESTINAL AND LIVER CLINIC	GLENEAGLES MEDICAL CENTRE 6 #08-01 NAPIER RD SINGAPORE 258499	64796300
NG WAI CHONG	HUA MEI MOBILE CLINIC OF TSAO FOUNDATION	ALEXANDRA HOSPITAL 378 #02-01/03 ALEXANDRA RD SINGAPORE 159964	64716007
OH HAN BOON			
ONG LUAN SENG DESMOND	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
PAN XINGYI ALAN @PHUA SING YI ALAN			
PANG HENG MUN ROGER	THE MING CLINIC	THE CAMDEN MEDICAL CENTRE 1 #04-01/02 ORCHARD BOULEVARD SINGAPORE 248649	62358166
PAUL FRANCIS KUNE LEONG LAM CHAM KEE			
PAY KHIM HUI	GLENEAGLES HOSPITAL	6A NAPIER RD SINGAPORE 258500	64737222
PENG CHUNG MIEN	SINGAPORE TECHNOLOGIES MEDICAL SERVICES PTE LTD	AEROMEDICAL CENTRE 492 AIRPORT RD SINGAPORE 539945	64880612
PHANG BOON CHYE STEPHEN	WOODBRIDGE HOSP DEPT OF ADULT PSY 3	10 BUANGKOK GREEN SINGAPORE 539747	63850411
QUEK GIM HIAN JAMES	PROHEALTH 24-HOUR MEDICAL CLINIC	259 #01-18 BUKIT PANJANG RING RD SINGAPORE 671259	67652115
SEAH ENG SENG			
SEE CHYE HENG ANDREW	ANDREW SEE SURGERY	6 #05-14 NAPIER RD SINGAPORE 258499	64740100
SEOW CHERNG JYE			
SHALINI ARULANANDAM			
SIEW BOON LIONG GLENN	COMFORT CLINIC & SURGERY	214 #01-100 SERANGOON AVE 4 SINGAPORE 550214	62807271
SIEW CHERN HWEE	HQ MED CORP, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 789011	
SIEW MAN GAH	CHEONG CLINIC	45 #01-293 OWEN RD SINGAPORE 210045	62975125
SIEW TUCK WAH			
SOH CHAI RICK	Hyperbaric & Diving Medicine Centre, Dept of Anaesthesiology, Singapore General Hospital,	SINGAPORE GENERAL HOSPITAL 1 HOSPITAL DRIVE SINGAPORE 169608	63213427
SOO ING XIANG			
SUBRAMANIAM TAVINTHARAN	ALEXANDRA HOSPITAL	378 ALEXANDRA RD SINGAPORE 159964	63793478
TAN BENG TECK	WOODLANDS FAMILY CLINIC	305 #01-85 WOODLANDS ST 31 SINGAPORE 730305	63654770
TAN CHI'-LOONG BENEDICT	CHANGI SPORTS MEDICINE CENTRE	CHANGI GENERAL HOSPITAL 2 SIMEI ST 3 SINGAPORE 529889	68503571
TAN ENG KING	NEUROLOGY DEPT	OUTRAM RD SINGAPORE 169608	63265003
TAN HSIANG LUNG	OFFICE OF THE CHIEF NAVAL MEDICAL OFFICER	AFPN 6060 SEMBAWANG CAMP 36 ADMIRALTY RD WEST SINGAPORE 759960	67505598
TAN JU HOCK	DIVING MEDICAL CENTRE	176 KENG LEE RD SINGAPORE 308408	67581133
TAN KAR-SU	OFFICE OF THE CHIEF NAVAL MEDICAL OFFICER	AFPN 6060 SEMBAWANG CAMP 36 ADMIRALTY RD WEST SINGAPORE 759960	67505688
TAN KHIAW NGIAP JAMES	TAN TOCK SENG HOSPITAL	11 JLN TAN TOCK SENG SINGAPORE 308433	63577807

Designated Workplace Doctors For Compressed Air Environment

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Name	Clinic Name	Address	Tel No
TAN KOK BENG	KB TAN CLIN & SURG	625 #01-310 ELIAS RD SINGAPORE 510625	65839091
TAN LIAN HUAT JAMES	J T MEDICAL CENTRE	844 #01-135 TAMPINES ST 82 SINGAPORE 520844	67837945
TAN LIXIAN CHRIS			
TAN MING LOONG MARK	Alexandra Hospital	DIAGNOSTIC RADIOLOGY 378 ALEXANDRA RD SINGAPORE 159964	
TAN PENG KOK	TAN PENG KOK UROLOGY	MT ALVERNIA HOSPITAL 820 #01-11/12 THOMSON RD SINGAPORE 574623	63566439
TAN SEI TAI	RAFFLES HOSPITAL 24HR WALK IN CLINIC	RAFFLES HOSPITAL 585 #11-25 NORTH BRIDGE ROAD SINGAPORE 188770	
TAN SIAH HENG	national NEUROScience institute CLINICAL STAFF OFFICE	IRRAWADY BLOCK 11 JALAN TAN TOCK SENG SINGAPORE 308433	63577191
TAN SZE-CHIN			
TAN TECK WEI			
TAN TEE NGEE	UNIVERSAL MED CLIN	201E #01-104 TAMPINES ST 23 SINGAPORE 527201	67858887
TAN TIEN JIN			
TAN YEW TECK TONY	MATERNAL FETAL MED	KK HOSPITAL 100 BUKIT TIMAH RD SINGAPORE 229899	62934044
TAN ZHI XIANG			
TANG KONG CHOONG	HQ MEDICAL CORPS, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
TAY GUAN TONG	A & E, NUH	5 LOWER KENT RIDGE RD SINGAPORE 119074	
TAY GUAN YU JEFF	FAITH CLINIC (SIMEI)	139 #01-10 SIMEI ST 1 SINGAPORE 520139	67884303

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Name	Clinic Name	Address	Tel No
TAY MIAH HIANG	NATIONAL CANCER CENTRE	MEDICAL ONCOLOGY DEPT 11 HOSPITAL DR SINGAPORE 169610	64368000
TEH TZE CHEN KEVIN	HQ MEDICAL CORPS, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
TEO ENG YEE			
THAM HSIEN JEN COLIN	DEPT OF PLASTIC SURGERY	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	63214794
THAM KWONG LUM		150 #01-999 LORONG 1 TOA PAYOH SINGAPORE 310150	62532351
THIA TECK JOO KELVIN	ENDOCRINOLOGY	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	
THO CHIN KEONG	LONDON CLIN & SURG FOR WOMEN	253 #01-269 JURONG EAST ST 24 SINGAPORE 600253	65611322
THONG KIM THYE MARK	ENT	SINGAPORE GENERAL HOSPITAL OUTRAM RD SINGAPORE 169608	
TIAN HO HENG			
TNG ENG LOON			
TONG SHANHAN	MOH Holdings	HARBOURFRONT CENTRE 1 #11-25 MARITIME SQUARE SINGAPORE 099253	67200980
TOR PHERN CHERN	HQ MED CORP, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
VIJAYAN APPASAMY	GENERAL SURGERY	TAN TOCK SENG HOSPITAL MOULMEIN RD SINGAPORE 308433	62566011
WAN MUN CHIN	HQ MED CORP, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
WAN WEI HWANG	SINGAPORE MEDICAL GROUP	SQUARE 2 10 #8-12 SINARAN DRIVE SINGAPORE 307506	68371000
WEE TZE CHAO			
WONG CHEE MENG JOHN	HQ MEDICAL CORPS, SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	64505414
WONG CHIN JUNG			
WONG TED MIN	FAMILY HEALTH CLIN & SURG	2 #01-651 BALESTIER RD SINGAPORE 320002	62542440
WONG YICK MUN EDMUND	S'PORE NATIONAL EYE CENTRE	11 THIRD HOSPITAL AVE SINGAPORE 168751	62277255
WOO CHIN MING DAVID	ANAESTHESIA	NATIONAL UNIVERSITY HOSPITAL 5 LOWER KENT RIDGE RD SINGAPORE 119074	
WOO KOK YEN EVAN LEE	A & E, SGH	OUTRAM RD SINGAPORE 169608	
WOO SOON FATT	ORIENTAL FAMILY CLINIC	498 #01-430 JURONG WEST ST 41 SINGAPORE 640498	65625519
YEO NGAN MENG	THE MEDICAL CENTRE CLINIC (COLLYER QUAY)	THE ARCADE 11 #03-28 COLLYER QUAY SINGAPORE 049317	62211566
YEO SZE WEI MATTHEW	HQ Medical Corp SAF	AFPN 1202 701 #04-01 TRANSIT RD SINGAPORE 778910	
YEO WEE SHUNG YEHUDI	CHOA CHU KANG POLYCLINIC	2 TECK WHYE CRES SINGAPORE 688846	67659659
YEOH CHUEN JYE			
ZHENG ZHONGXI			
ZHU XIU CHUN @ MYINT MYINT KYI	ALEXANDRA HOSPITAL	378 ALEXANDRA RD SINGAPORE 159964	63793234

LIST OF AUDIOMETRICIANS WITH ACTIVE STATUS AND PRACTICE ADDRESS

Note:
1. The information provided in this listing is accurate as at **03-Oct-12.**
2. The listing provided is for awareness purposes only. It is for restricted use in the context of this document and should not be further reproduced without permission, in writing. The information herein may not be complete at the time of publishing and hence should not be used as a formal reference for legal arbitration.
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MINISTRY OF MANPOWER

Name	Practice Name	Blk Hse No	Street Name	Floor No	Unit No	Bldg Name	Postal Code	Tel No	Fax No
ALISTER POH CHEE CHUANG	EXXONMOBIL CHEMICAL ASIA PACIFIC	100	JURONG ISLAND HIGHWAY				627867	65866696	65866075
ANG HO LOONG	OTICON SPORE PTE LTD	371	BEACH ROAD	8	2	KEYPOINT	199597	62382912	62388876
ANG HUILI JENNY	ALPHA HEALTHCARE	21	BUKIT BATOK CRESCENT	8	74	WCEGA TOWER	658065		66591979
ANG JOO NAI	ACUMED MEDICAL GROUP	10	TOH GUAN ROAD	9	2	T T INTERNATIONAL TRADEPARK	608838	65663311	65677365
ANG PEI SAN RACHEL	THE HEARING CENTRE	391B	ORCHARD ROAD	23	1	NGEE ANN CITY TOWER B	238874	64742216	67367368
ANG POH LIAN	DRS BAIN & PARTNERS	1	RAFFLES QUAY	9	3		048583	65325522	65344418
ARUMUGAM SINNIAH	EXXONMOBIL ASIA PACIFIC PTE LTD	18	PIONEER ROAD				628498	66316128	66317310
AZLYNA ARIS BTE HAMZA ARIS	SINGAPORE OCCUPATIONAL HEALTH SERVICES	352	CLEMENTI AVENUE 2	1	111	CLEMENTI AVENUE 2 SHOPPING	120352	67772829	68725679
BURGESS RONALD JOSEPH	HEARING PARTNERS	304	ORCHARD ROAD	5	55	LUCKY PLAZA	238863	62356601	62358607
CELINE LEE	TEO CLINIC & SURGERY	352	CLEMENTI AVENUE 2	1	113	CLEMENTI AVENUE 2 SHOPPING	120352	67760216	68725679
CHAN KAY HEEM	S.T.MEDICAL SERVICES PTE LTD	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880630	62855113

CHAN SOON CHIEN	TAN TOCK SENG HOSPITAL	11	JALAN TAN TOCK SENG			TAN TOCK SENG HOSPITAL	308433	63572272	
CHAN YOCK CHAN	SATA WOODLANDS CLINIC	900	SOUTH WOODLANDS DRIVE	4	1	WOODLANDS CIVIC CENTRE	730900	67671707	
CHANG SUAY LENG GINA	DRS BAIN & PARTNERS	1	RAFFLES QUAY	9	3		048583	65325522	65344418
CHEE KAH MUN	KEPPEL FELS LTD	50	GUL ROAD				629351	68635156	
CHEN LISA	DAYSPRING CORPORATE	100	LORONG 23 GEYLANG	8	1	D'CENTENNIAL	388398	63399339	31509239
CHEN QUIMING MICHELLE	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	1	2		339914	62339687	62253735
CHEN YI TENG	RAFFLES EXECUTIVE MEDICAL CENTRE	73	ARAB STREET	12	0		199770	63111371	63112394
CHENG YOKE HENG	S.T.MEDICAL SERVICES PTE LTD	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880618	62855100
CHER CHENG HUA	INVISTA SINGAPORE	1	SAKRA AVENUE				628225	68671372	
CHIA YIN LENG	LIM CLINIC AND SURGERY	23	CHAI CHEE ROAD	1	420		461023	62412211	62412268
CHIAM CHOON GUAN ERIC	DAYSPRING HEALTH SCREENERS	290	ORCHARD ROAD	16	10	PARAGON, THE	238859	68380123	68380103
CHONG GEK HONG	DRS BAIN & PARTNERS	1	RAFFLES QUAY	9	3		048583	65325522	65344418
CHONG ZHENG YEAN	ARROW TECH ENGINEERING WORKS	63	KUNG KUANG RD	1	77		610083		
CHUA SIOK PING YVONNE	K.N.CHIN & ASSOCIATES PTE LTD	9	BATTERY ROAD	5	7	STRAITS TRADING BUILDING	049910	65389533	65365815
CHUNG SIEW MIN	CHUNG AUDIOLOGY & ASSOCIATES PTE LTD	304	ORCHARD ROAD	4	54	LUCKY PLAZA	238863	67370230	67386816
DE GUZMAN RONALD CANCINO	ACUMED MEDICAL GROUP	10	TOH GUAN ROAD	9	2	T T INTERNATIONAL TRADEPARK	608838	65663311	
EE AI CHIO FLORENCE	LIAN CLINIC	18	MARSILING LANE	1	269		730018	62697435	
ENG WHAN SENG	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD	1	1	CARLTON HOTEL	189558	63370090	63387795
ENRIQUEZ ADRIAN CALING	ACUMED MEDICAL PTE LTD	163	STIRLING ROAD	9	1236		140163		
EVON POH BEE HUAY	EVON POH	7500E	BEACH ROAD	8	40970	MERLIN HOTEL/PLAZA	199595	62953917	62388876
FELIX HAUBOLD	KIND HEARING PTE LTD	260	ORCHARD ROAD	12	9	HEEREN, THE	238855	62352425	62351695
FLORDELIZA S YANES	RAFFLES MEDICAL GROUP	65	AIRPORT BOULEVARD	B2	1	CHANGI AIRPORT TERMINAL 3	819663	62418818	65433498
GAN NANCY	3M INNOVATION SINGAPORE PTE LTD	2	TUAS LINK 4				637321	65916024	68977804

GENG HAIYU	ALEXANDRA HEALTH P L	90	YISHUN CENTRAL				768828	66022663	66023794
GOH CHU KAH JANET	JURONG MEDICAL CENTRE	60	JURONG WEST CENTRAL 3	1	8		648346	68754323	
GOH LAY KOON	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	62443023
GOH SHA WEE	NUS	20	LOWER KENT RIDGE ROAD				119080	65165961	
HAIRIYAH BINTE YUMSAH	ENVIRONMENT HEALTH AND SAFETY	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016	62235356	62275205
HAMIDAH BINTE JOHAR	ACUMED MEDICAL GROUP	64	YUNG KUANG ROAD	1	107		610064	62656422	62662777
HANNAWATY OH	EAR NOSE AND THROAT CENTRE CC LAU	3	MOUNT ELIZABETH	14	11	MOUNT ELIZABETH HOSPITAL	228510	62359535	
HARJEET KAUR	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	1	6		339914	62339683	62253735
HARJIT KAUR D/O JAGJIT SINGH	HAJIT BAL-KHOO TECK HOSPITAL	90	YISHUN CENTRAL				768828	66023058	
HARMIZAH BINTE MOHAMED AMIN	HEALTHWAY MEDICAL ENTERPRISE	2	LENG KEE ROAD			THYE HONG CENTRE	159086	63234415	62229277
HENG SOK HUA CLARA	RAFFLES MEDICAL GROUP	1	RAFFLES PLACE	5	3	ONE RAFFLES PLACE	048616	65352222	65337811
HENG YIH MEEI	KHOO TECK PUAT HOSPITAL	90	YISHUN CENTRAL				768828		
HO YOKE CHUN ELSIE	S T MEDICAL SERVICES PTE LTD	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880618	62855100
HO YOKE YIN	DRS BAIN & PARTNERS	1	RAFFLES QUAY	9	3		048583	65325522	65344418
HOA SIEW LENG	DR W.K.KOO & ASSOCIATES PTE LTD	960	JURONG WEST STREET 92	1	184		640960	67913613	67918180
JAW LEE YIN	LIM CLINIC AND SURGERY	24	NEW UPPER CHANGI ROAD	1	420		461024		
JOONG SAU PENG	STALLION DEVELOPMENT PTE LTD	76	NANYANG DRIVE				637331	62608805	
JULIANA BINTE BESI	SATA COMMHEALTH MEDICAL CENTRE JURONG	135	JURONG GATEWAY ROAD	4	345		600135	65671814	
KEITH TEE WHAN HONG	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	11	0	RAFFLES HOSPITAL	188770	3111111	3381318
KHO LEE PENG KATHERINE	SINGAPORE OCCUPATIONAL HEALTH SERVICES	12	PANDAN LOOP				128230	8725020	7790120

KHRISTIE BIN CONSTANTINO	RAFFLES MEDICAL GRP	65	AIRPORT BOULEVARD	B2	1	CHANGI AIRPORT TERMINAL 3	819663	62418818	65433498
KIM LEE FANG JENNY	SATA UTTARAM CLINIC	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446616	65671814
KOH HONG KENG	LOYANG MEDICAL CTR	25	LOYANG CRESCENT			LOYANG OFFSHORE SUPPLY BASE	508988	65431690	65422528
KOH HUI ENG PEGGY	DUPONT S'PORE PTE LTD	1	SAKRA AVENUE				628225	8671298	8671297
KOH HUI KEOW	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD			CARLTON HOTEL	189558	63370090	63387795
KOH POH SUAN CAROL	WIDEX SINGAPORE PTE LTD	304	ORCHARD ROAD	6	13	LUCKY PLAZA	238863	67346208	62354738
KOH SHU FEN	PANASONIC SEMICONDUCTER ASIA PTE LTD	22	ANG MO KIO INDUSTRIAL PARK 2	8	1		569506	64818811	64816070
KOH YING REN	HEALTHWAY MEDICAL GR	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	65180195	
KWAN SHAN YAO KEITH	CHANGI NAVY MEDICAL CENTRE	126	TANAH MERAH COAST RD	2	4	CHANGI NAVAL BASE	498822	65444912	65444934
KWEK SIEW HONG	EXECUTIVE HEALTH SCREENERS PTE LTD	10	ANSON RD	36	2	INTERNATIONAL PLAZA	79903		
LAI SIET LIAN	DU PONT PTE LTD	39	TUAS CRESCENT				638726	8604995	
LAI SIU FAI	SINGAPORE ASSOCIATION FOR THE DEAF	227	MOUNTBATTEN ROAD			SINGAPORE SCHOOL FOR THE DEAF	397998	63448274	63457706
LAM LEE LEE	ALEXANDRA HOSPITAL	378	ALEXANDRA RD			ALEXANDRA HOSPITAL	159964	63793235	63793935
LATHA D/O RAMAN	MILLENNIUM MEDICAL GROUP	71	PIONEER ROAD	1	7		639591		
LAU JU HUI ALICIA	HEALTHWAY MEDICAL GROUP	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	62382290	68363629
LAY MOI YEN	SATA CLINIC	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446686	65671814
LEE BEE LING JULIANA	TWIN CITY MEDICAL GROUP PRIVATE LIMITED	391B	ORCHARD ROAD	8	7	NGEE ANN CITY TOWER B	238874	62352511	67333892
LEE CHEE LOONG	ROTARY ENGINEERING	61	JURONG ISLAND HIGHWAY				627860	63119234	63119091
LEE ENG KHENG EDMUND	ALEXANDRA HOSPITAL	378	ALEXANDRA RD			ALEXANDRA HOSPITAL	159964	65517888	65517760
LEE HWEI MING JACKLYN	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	1	6		339914	62903635	62903456

LEE JEK CHONG GARY	TEMASEK POLYTECHNIC	21	TAMPINES AVENUE 1			TEMASEK POLYTECHNIC	529757	67805517	67874958
LEE KELVIN	R&D HEARING PTE LTD	502	BISHAN STREET 11	1	354		570502	63583586	63584346
LEE KIM GEOK	WORK HEALTH & SAFETY INC LTD	531	UPPER CROSS STREET	2	63	HONG LIM COMPLEX	050531		
LEE LOCK HEY STEVEN	WIDEX HEARING CENTRE	19	CANTONMENT ROAD				089741	62228577	62229277
LEE POH CHUE	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	1	2		339914	62339657	63415917
LEE SAU FONG	DR W.K.KOO & ASSOCIATES PTE LTD	960	JURONG WEST ST 92	1	184	0	640960	7917244	7918180
LEE SWING LING SHIRLEY	RAFFLES MEDICAL GROUP	30	RAFFLES PLACE	3	1	CHEVRON HOUSE	048622	5352222	5365939
LEONG LAI YENG ANGELA	RAFFLES MEDICAL GROUP LTD	585	NORTH BRIDGE ROAD	12	0	RAFFLES HOSPITAL	188770	63112122	63112123
LEONG MAY PHENG JANE	WELCARE HEARING SERVICES PTE LTD	2	BALESTIER ROAD	1	703	BALESTIER HILL SHOPPING CENTRE	320002	62508798	62532743
LEONG PENG HONG STEPHEN	ENVIRONMENTAL HEALTH & SERVICES	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016	62235354	62275205
LEONG WAI CHENG	ENVIRONMENTAL HEALTH & SERVICES	27	RIPLEY CRES				556205		
LI JIN	NATSTEEL LTD	22	TANJONG KLING ROAD				628048	66607971	62656978
LIEW WEN YIN	OTICON SPORE PL	371	BEACH ROAD	8	2	KEYPOINT	199597	62382912	62388876
LILIS SURYANI BINTE AHMAD	JURONG SHIPYARD MED	29	TANJONG KLING ROAD				628054	62627247	62627250
LIM BEE CHIN	WIDEX SINGAPORE PTE LTD	19	CANTONMENT ROAD				089741	62228577	62229277
LIM BEE HONG JOYCE JEANNE	CHANGI GENERAL HOSPITAL	2	SIMEI STREET 3			CHANGI GENERAL HOSPITAL	529889	68503730	62609176
LIM BEE KOON @ MEGGY LUI	EXXONMOBIL ASIA PACIFIC PTE LTD	18	PIONEER ROAD				628498	66316128	66317310
LIM CHOON POH	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	65431118	65431030
LIM CHRISTINE	SINGAPORE OCCUPATIONAL HEALTH SERVICES	12	PANDAN LOOP				128230	8725020	7790120
LIM E-LIN ADENE	RAFFLES MEDICAL GROUP	1	RAFFLES PLACE	5	3	ONE RAFFLES PLACE	048616	65352222	65337811
LIM HUI GUAT DIANA	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446712	

LIM HWA HIANG	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	65431118	65431030
LIM LEE LENG BETTY	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	3111111	3381318
LIM LEI HOON	SATA COMMHEALTH	351	CHAI CHEE STREET	1	699	SATA C & H CLINIC	468982	62446712	
LIM LI TZONG	ALPHA1 PTE LTD	1015	3	4	105		389730	64256351	67439887
LIM LING HAU	OTICON SINGAPORE PTE	402	ORCHARD ROAD	3	19/20	DELFI ORCHARD	238876	62382912	62388878
LIM PEI CHING MELISSA	DAYSPRING CORPORATE	100	LORONG 23 GEYLANG	8	1	D'CENTENNIAL	388398	63399339	63399789
LIM PEI QI	EASTERN SPECIALIST CENTRE	445	BEDOK NORTH ST 1			PRINCESS THEATRE BUILDING	469661	64411600	64411089
LIM PENG KOON	ALPHA 1 HEALTHCARE	21	BUKIT BATOK CRESCENT	8	74	WCEGA TOWER	658085	90488161	66591979
LIM POH LIN PAULINE	PAULS CLINIC	391B	ORCHARD ROAD	8	8	NGEE ANN CITY TOWER B	238874		
LIM SIANG HWEE	MARINA MEDICAL CENTRE	78	GUAN CHUAN STREET	1	39	TIONG BAHRU ESTATE	160078	2222177	2223380
LIM SIN ERN	OTICON SINGAPORE PTE LTD	371	BEACH ROAD	8	2	KEYPOINT	199597	62382912	62399976
LIM SOON ENG	WIDEX SINGAPORE PTE LTD	304	ORCHARD ROAD	6	13	LUCKY PLAZA	238863	67346208	62354738
LIM SZOK LING (LIN SULING)	DR W.K.KOO & ASSOCIATES PTE LTD	960	JURONG WEST STREET 92	1	184		640960	7917244	7918180
LIM WEE TENG SHERINE	RAFFLES MEDICAL GROUP LTD	585	NORTH BRIDGE ROAD	12	0	RAFFLES HOSPITAL	188770	63111259	63111177
LIM ZHI YUAN	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD	1	1	CARLTON HOTEL	189558	63370090	63387795
LIM ZONG WEI ALEX	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD	1	1	CARLTON HOTEL	189558	63370090	63387795
LIN JIALI	CONCEPT OAH PTE LTD	352	CLEMENTI AVENUE 2			CLEMENTI AVENUE 2 SHOPPING	120352	67772829	68725679
LIN XIAO HUI IVAN	CHANGI NAVAL MEDIAL CENTRE	215	TANAH MERAH COAST ROAD	2	4		498822	65444912	65444914
LINDA LIM SUAT NGOR	HEALTHYWAY MEDICAL GROUP	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	67921812	67924480
LOH HWEE MING	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD	1	1	CARLTON HOTEL	189558	63370090	63387795
LOH KIM LEONG	OTICON SINGAPORE PTE LTD	371	BEACH ROAD	8	2	KEYPOINT	199597	62382912	62388876

LOH PHIEH HSAN BRENDA	NATSTEEL LTD	22	TANJONG KLING ROAD				628048	66607869	62663697
LOH XIAOJIE	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	63112122	63112123
LOH YOKE SEEN VERONICA	REGIONAL PATIENTCARE MEDICAL GP PTE LTD	678	WOODLANDS AVENUE 6	1	726	ADMIRALTY PLACE	730678	63669027	68939839
LOW GEOK KHIM	MARINA MEDICAL CENTRE	78	GUAN CHUAN STREET	1	39	TIONG BAHRU ESTATE	160078		2223380
LOW LEE SAN	WILTERM ENGINEERING PTE LTD	12	PANDAN LOOP	1	19		128230		
LOW YING KUM CINDY	S'PORE OCCUPATIONAL HEALTH SERVICES PTE LTD	352	CLEMENTI AVENUE 2	1	113	CLEMENTI AVENUE 2 SHOPPING	120352	67772829	68725679
M MATHAVEE	JURONG MEDICAL CENTRE	61	JURONG WEST STREET 65	1	8	JURONG WEST SECONDARY SCHOOL	648348	66022663	66023794
MAH YOKE IN	EXXONMOBIL CHEMICALS MANUFACTURING S	18	PIONEER ROAD				628498	65866696	65866695
MARICAR BERNABE CRU	HEALTHWAY MEDICAL GR	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	65180195	
MARIMAH	POINT MEDICAL GROUP	399	YUNG SHENG ROAD	1	31		610399	2656587	2680424
MARY GRACE ESCOBAR TESORO	THOMSON MEDICAL PTE LTD	339	THOMSON ROAD			THOMSON MEDICAL CENTRE	307677	62561682	63563327
MASHIAH JOSEPH AARON	CHANGI NAVAL MEDICAL CENTRE	126	TANAH MERAH COAST RD	2	4	CHANGI NAVAL BASE	498822	65444912	65444914
MAZIA MADON	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	3111111	3381318
MEERA D/O THANABAL	RAFFLES MEDICAL GROUP	82	RASOK DRIVE	5	2	BUKIT VILLAS	738009	68940777	68940257
MELINDA TOH SIOK KWOON	HMI BALESTIER HOSPITAL PTE LTD	363	BALESTIER ROAD				329784		
MESRIATI BINTE KANAN	WILTERM ENGINEERING PTE LTD	12	PANDAN LOOP	1	19		128230		
MINJOOT ROYSTON	STANLEY ENT CENTRE	6	NAPIER ROAD	7	15	GLENEAGLES MEDICAL CENTRE	258499	64752282	64750882
MOHAMAD NURHAINI BINTE	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	63112122	63112123
MOHAMED FEROZ OTHMAN	MARINA MEDICAL CENTRE	78	GUAN CHUAN STREET	1	39	TIONG BAHRU ESTATE	160078	62222177	62223380

MOHAMMAD HAFIF BIN OTHMAN	KEPPEL SHIPYARD LTD	51	PIONEER SECTOR 1				628437	65588211	6558190
MOSTAMUM HALIM BIN TALIB	KEPPEL SHIPYARD LTD	51	PIONEER SECTOR 1				628437	68696832	68621657
MUHAMMAD ISKANDAR BIN RAHIM	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446712	
NAGARAJ KALIMOORTHI	WEST POINT HOSPITAL	235	CORPORATION DRIVE			WEST POINT FAMILY HOSPITAL	619771	62625858	62625859
NARASIMMAN	REPUBLIC OF SPORE NAVY MEDICAL SERVICES	321	PIONEER SECTOR 2			TUAS NAVAL BASE	628402	68642996	68642911
NEOH SIEW GUAT	DRS KOO & NEOH MEDICAL GROUP	750A	CHAI CHEE ROAD	8	3	TECHNOPARK @ CHAI CHEE	469001	64443233	32142143
NG ENG SOON RUDY	PANG INDUSTRIAL HEALTH SERVICES	22	BUKIT BATOK STREET 52	9	2	GUILIN VIEW	659245	97225806	
NG HWA SWEE	SAF	215	TANAH MERAH COAST ROAD	2	43		498822	65444911	
NG JING EN	SAF	215	TANAH MERAH COAST ROAD	2	43		498822	65444911	
NG LING LING	HEALTHWAY MEDICAL ENTERPRISE	2	LENG KEE ROAD			THYE HONG CENTRE	159086	63234415	63231409
NG MEEI WEN	JURONG MEDICAL CENTRE-ALEXANDRA HEALTH PTE LTD	90	YISHUN CENTRAL				768828	66022663	66023794
NG MEI LIN GERALDINE	NATSTEEL LTD	22	TANJONG KLING ROAD				628048		
NG POH HIANG	ALEXANDRA HOSPITAL	378	ALEXANDRA RD			ALEXANDRA HOSPITAL	159964	63793235	63793935
NG POH TING ADA	SATA COMMHEALTH MED	715	ANG MO KIO AVENUE 6	1	4008		560715	68635156	64590448
NG RUEY PIAN WILLIAM	OTICON SINGAPORE P L	402	ORCHARD ROAD	3	19/20	DELFI ORCHARD	238876	62382912	62388876
NG VALERIE	RESOUND HEARING SERVICES CENTRE PTE	19	TANGLIN ROAD	5	14	TANGLIN SHOPPING CENTRE	247909	67362461	67362462
NGAN LAI PENG PATRICIA	RAFFLES MEDICAL GROUP LTD	585	NORTH BRIDGE ROAD	12	0	RAFFLES HOSPITAL	188770	63111260	63111177
NGUI YEAN LIN	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446686	62443023
NISHALINI D/O NAGARAJ	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	1	0	RAFFLES HOSPITAL	188770	63111130	63111163
NISHAR B MOHD HUSAIN	SERAYA CHEMICALS (S'PORE) PTE LTD	61	SERAYA AVENUE				627879	6618525	6608686

NOORLAILA BTE ABU BAKAR	SATA	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	68963613	64482087
NOORLIZA BTE MOHD KHAN	S'PORE OCCUPATIONAL HEALTH SVS PTE LTD	352	CLEMENTI AVENUE 2	1	111	CLEMENTI AVENUE 2 SHOPPING	120352	7772829	8725679
NORHAYATI BTE MOHAMED AMIR	SATA JURONG MEDICAL CENTRE	135	JURONG GATEWAY ROAD	4	345		600135	68963610	65671814
NORIAH BINTE MOHAMED TAIB	ALEXANDRA HOSPITAL	378	ALEXANDRA RD				159964	63793235	63793239
NORIZAN BTE KAMAL	S'PORE OCCUPATIONAL HEALTH SVS PTE LTD	352	CLEMENTI AVENUE 2	1	111	CLEMENTI AVENUE 2 SHOPPING	120352	7772829	8725679
NORULJANAH BINTE MUSTAPA	CENTRE FOR EAR NOSE THROAT ALLERGY & SLEEP PTE LTD	10	SINARAN DRIVE	11	23	SQUARE 2	307506	65860988	64911248
NUR AINI BINTE NGAIMAN	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446712	
NUR BAEYAH BTE ROSLIN	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	2	6		339914	6233681	62253735
NUR RAHILLA BINTE ABDUL RAHMAN	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	62443023
NURAINI BINTE ABU BAKAR	RAFFLES MEDICAL GRP	131	JURONG GATEWAY ROAD	1	267		600131	68996688	65696205
NURHIDAYATI BINTE JAMALUDDIN	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	62443023
NURSERI MAWARNI	SINGAPORE OCCUPATIONAL HEALTH SERVICES	352	CLEMENTI AVENUE 2	1	113	CLEMENTI AVENUE 2 SHOPPING	120352	67772829	68725679
NURSURIA BTE MAT IBRAHIM	ENVIRONMENT HEALTH & SAFETY	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016	62235356	62275025
OH BENG PORE	SEMBAWANG SHIPYARD PTE LTD		ADMIRALTY ROAD WEST			SEMBAWANG SHIPYARD	759956	67506300	67506331
OH HUI HONG JENNY	RAFFLES MEDICAL GROUP LTD	182	CLEMENCEAU AVENUE			GE MONEY HOUSE	239923	3315732	3393321
OH JIA EN KEVIN	CHNAGI NAVAL MEDICAL CENTRE	215	TANAH MERAH COAST ROAD	2	4		498822	68642996	68642610
ONG GEOK HUAY JASMINE	WELCARE HEARING SERVICES PTE LTD	2	BALESTIER ROAD	1	703	BALESTIER HILL SHOPPING CENTRE	320002	62508798	62532743
ONG LIAN ENG KELLY	SOUNTEX CENTREPOINT	176	ORCHARD ROAD	3	23	CENTREPOINT	238843	68354008	68354008

ONG MUI CHOO	DRS KOO & NEOH MEDICAL GROUP PTE LTD	750A	CHAI CHEE ROAD	8	3	TECHNOPARK @ CHAI CHEE	469001	62142142	62142143
ONG SEOW LEE IRENE	DR W.K.KOO & ASSOCIATES PTE LTD	960	JURONG WEST STREET 92	1	184		640960	7917244	7918180
ONG SIAH BENG	OTICON SINGAPORE PTE	402	ORCHARD ROAD	3	19/20	DELFI ORCHARD	238876	62382912	62388876
ONG SUAT KIEN	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	11	0	RAFFLES HOSPITAL	188770	63111111	63381318
ONG SUE LI	REGIONAL PATIENT CARE MEDICAL GROUP PTE LTD	932	YISHUN CENTRAL 1	1	97		760932	7568028	7568028
PABILONA GISELLE APAYOR	WEST POINT HOSPITAL	235	CORPORATION DRIVE			WEST POINT FAMILY HOSPITAL	619771	64961335	64961339
PADILLON JENNIFER HERNANDO	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	63111299	63111177
PANG JIAWEI	COHERENT INSTRUMENTS PTE LTD	58	LORONG MELAYU	B1	4		416944	64780781	64780782
PANG SWEE SIONG JULIA	ST MEDICAL SERVICES	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880620	62855113
PARVINDER KAUR D/O MANJIT SINGH	FULLERTON HEALTHCARE GROUPPTE LTD	1	FULLERTON ROAD			ONE FULLERTON	049213	68363366	66725688
PECK HUI YI	WIDEX SINGAPORE PTE LTD	19	CANTONMENT ROAD				089741	62228577	62229277
PEREZ ELEONOR TUAZON	RAFFLES MEDICAL GROUP LTD	585	NORTH BRIDGE ROAD	12	0	RAFFLES HOSPITAL	188770	63111130	63111163
PHOON KELLY	K.N.CHIN & ASSOCIATES	9	BATTERY ROAD	5	7	STRAITS TRADING BUILDING	049910	5389533	5365815
PIEONES LAARNI S	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	65431118	65431030
POH CHYE HUAT ERNEST	THE HEARING CENTRE	391B	ORCHARD ROAD	23	1	NGEE ANN CITY TOWER B	238874	64742216	67367368
POH YIZHEN PRISCILLA	CHANGI GENERAL HOSPITAL	2	SIMEI STREET 3			CHANGI GENERAL HOSPITAL	529889	68503789	
POONGKOTHAI D/O T	RAFFLES MEDICAL GROUP LTD	182	CLEMENCEAU AVENUE			GE MONEY HOUSE	239923	3315732	3393321
PORTER PATRICIA PAMELA	PRIMEHEALTH MEDICAL GROUP	750	CHAI CHEE RD	8	3	TECHNOPARK	469001	67344666	62142143
PUSPALATHA D/O THEVATHASAN	RAFFLES MEDICAL GROUP	182	CLEMENCEAU AVENUE	1	0	GE MONEY HOUSE	239923	3315888	3315864

QUEK KWANG HUAT	HQ ARMY MEDICAL SERVICES (SAF)	701	TRANSIT ROAD	3	2		778910	64505807	64525327
QUEK SEE BOON YVONNE	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	63111137	63111163
QUEK SIEW TIN PATRICIA	MARINA MEDICAL CENTR	78	GUAN CHUAN STREET	1	39	TIONG BAHRU ESTATE	160078	62222177	62223380
QUEK TEONG CHOON	KHOO TECK PUAT HOSPITAL	100	YISHUN CENTRAL			YISHUN MEDICAL CENTRE	768826	66023054	
R AMBALAVANAN	SHELL EASTERN PETROLEUM PTE LTD	83	CLEMENCEAU AVENUE				239920	62634964	
R SELVARRANI	BOSTON IMAGING DIAGNOSTIC PTE LTD	101	TOWNER RD	1	200		322101	62929607	62920617
RADHA	ALEXANDRA HOSPITAL	378	ALEXANDRA RD				159964	82854747	73793228
RAHIMAH MD SAID	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	11	0	RAFFLES HOSPITAL	188770	3111111	3381318
RAJESWARI D/O VENKATANARASU	ST MEDICAL PTE LTD	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880619	62555113
RAMASINGHE RUBY AUDREY	ST MEDICAL SERVICES	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880621	62855113
RAMLAH BTE OMAR	KHOO TECK PUAT HOSPITAL	100	YISHUN CENTRAL			YISHUN MEDICAL CENTRE	768826	66023054	
RANJITH KARUNA	SINGAPORE SCHOOL FOR THE DEAF	50	PRINCE CHARLES SQUARE				158975	4733822	4732440
RASHIDA MOHAMED	S'PORE OCCUPATIONAL HEALTH SERVICES PTE LTD	352	CLEMENTI AVENUE 2	1	111	CLEMENTI AVENUE 2 SHOPPING	120352	7772829	8725679
REINA SANTOS SALALILA	PARKWAY SHENTON P L	20	BENDEMEER ROAD	1	41062		339914	62277777	
RITA SUNIL CHAINANI	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	1	0	RAFFLES HOSPITAL	188770	63111260	63111177
ROHANI BTE ALI	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	62443023
ROSLAN SAMSON	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	3	11		339914	62277777	62253735
ROSLEENA SAHIDAN	ACUMED MEDICAL GROUP	7	PIONEER ROAD NORTH	1	40		628459	62610377	62617611
ROSLINA BTE ZAINAL	RAFFLES MEDICAL GROUP	182	CLEMENCEAU AVENUE	1	0	GE MONEY HOUSE	239923	3315817	3315864
ROSLINDA BINTE ROSLAN	HEALTHWAY MEDICAL ENTERPRISES	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	63115172	62350869

ROSNANI BTE ABDUL HAMID	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	64882904
ROSZANA BINTE HARON	ENVIRONMENT HEALTH & SAFETY	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016	2235356	
ROSZILAH BTE MOHAMAD NOR	SATA	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	68963613	64482087
S CHARCHIVADY JACINTHA	WESTPOINT HOSPITAL	20	JALAN AFIFI	6	2	CERTIS CISCO CENTRE	409179	64961337	64961339
SAIDON BIN HASSAN	NATIONAL SAFETY COUNCIL OF SINGAPORE	315	OUTRAM ROAD	10	09A	TAN BOON LIAT BUILDING	169074		
SAPIAH BTE SALLEH	ENVIRONMENT HEALTH & SAFETY	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016		
SATHIAVANI D/O MARIMUTHU	SPORE OCCUPATIONAL H	352	CLEMENTI AVENUE 2	1	113	CLEMENTI AVENUE 2 SHOPPING	120352	67772829	68725679
SATYA VIJAY REDDY MEDAPATI	TAN TOCK SENG HOSPIT	11	JALAN TAN TOCK SENG			TAN TOCK SENG HOSPITAL	308433		
SAVITHA KAMATH	SAVITHA	2	SIMEI STREET 3			CHANGI GENERAL HOSPITAL	529889	68502788	67816435
SELVARANI RAJENDRAN	ZENITH CLINICAL LABORATORIES	54	GENTING LANE	3	4	RUBY LAND COMPLEX	349562		
SEMIWATI BTE IBRAHIM	SATA	135	JURONG GATEWAY ROAD	4	345		600135	8994369	
SENG MIN MIN CANNY	PARKWAY SHENTON PTE LTD	20	BENDEMEER ROAD	2	0		339914	62339674	62271216
SEOW MUAY MUAY	ALEXANDRA HOSPITAL	378	ALEXANDRA RD				159964	96344970	
SERIMARYATI BTE ABDULLAH	DRS HORNE & CHIN PTE LTD	1	SCOTTS ROAD	17	1	SHAW CENTRE	228208	64911377	67344276
SEW PUI KOON	K.K. CHOW EAR NOSE	6	NAPIER ROAD	6	8	GLENEAGLES MEDICAL CENTRE	258499	64743889	
SHA YANFANG	RAFFLES MEDICAL GROUP LTD	585	NORTH BRIDGE ROAD	12	0	RAFFLES HOSPITAL	188770	68996688	65696205
SHAHIDAHTUL MUNAWARAH BINTE ROSLI	SPORE OCCUPATIONAL H	352	CLEMENTI AVENUE 2	1	113	CLEMENTI AVENUE 2 SHOPPING	120352	68725020	68725679
SHARIFAH BINTE AHMAD SHAH	SPORE OCCUP HEALTH	352	CLEMENTI AVENUE 2	1	113	CLEMENTI AVENUE 2 SHOPPING	120352	68720070	68725679
SHARIMAH BINTE ABDUL RAHMAN	ENVIRONMENT HEALTH AND SAFETY	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016	62235356	62275205

SHARMILA D/O PRABHAKARAN	SINGAPORE OCCUPATIONAL HEALTH SERVICES	352	CLEMENTI AVENUE 2	1	111	CLEMENTI AVENUE 2 SHOPPING	120352	67772829	68725679
SHEKHAWAT GIRIRAJ SINGH RAMPAL SINGH	TAN TOCK SENG HOSP	11	JALAN TAN TOCK SENG			TAN TOCK SENG HOSPITAL	308433		
SITI AKLIYAH BINTE PUNARI	WILTERM ENGINEERING PTE LTD	12	PANDAN LOOP		19		128230		
SITI AZURA BINTE ZAIN	SEMBAWANG SHIPYARD PTE LTD		ADMIRALTY ROAD WEST			SEMBAWANG SHIPYARD	759956	67506216	67506112
SITI BADARAFIYA BTE ISMAIL	SIA ALH CLINIC	25	AIRLINE ROAD	1	2	AIRLINE HOUSE	819829	65414705	65434706
SITI KHAIRINQA BINTE KAMBELI	HEALTHWAY MEDICAL ENTERPRISE	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	63234415	63231409
SITI NUR LLIYANA BTE MD ISA	SATA COMMHEALTH MEDICAL CENTRE	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	64882904
SITI SABRINA BINTI SULEIMAN	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	11	0	RAFFLES HOSPITAL	188770	62231188	62233166
SITI SUMIRAH BINTI SULAIMAN	SINGAPORE OCCUPATIONAL HEALTH SERVICES	12	PANDAN LOOP				128230	8725020	7790120
SNG YIANG HOA	REPUBLIC OF SPORE NAVAL MEDICAL SERVICES	215	TANAH MERAH COAST ROAD				498822	65444912	65444914
SOH KAR HEE	NATSTEEL LTD	22	TANJONG KLING ROAD				628048	66607869	62663697
SOH KIAN KEONG	REPUBLIC OF SPORE NAVY MEDICAL SERVICES	36	ADMIRALTY ROAD WEST			SEMBAWANG CAMP	759960	67505602	67505610
SOH LAY HAR JUNE	KN CHIN & ASSOCIATES PTE LTD	9	BATTERY ROAD	5	7	STRAITS TRADING BUILDING	049910	65387822	65365815
SOH LAY LAY PAULYN	CLIFFORD DISPENSARY	20	AIRPORT BOULEVARD			SATS INFLIGHT CATERING CENTRE 1	819659	65431135	65431145
SOH SENG CHEONG VINCENT	NATSTEEL LTD	22	TANJONG KLING ROAD				628048		
SOH YONG MUI IRENE	MOBIL MEDICAL CENTRE	18	PIONEER ROAD				628498		
SONG PENNY	EAR NOSE & THROAT CENTRE (CC LAU)	3	MOUNT ELIZABETH	14	11	MOUNT ELIZABETH HOSPITAL	228510		
SOO MIEW CHING	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	11	0	RAFFLES HOSPITAL	188770	63111111	63381318
SOON POW LEE	ALEXANDRAHEALTH	90	YISHUN CENTRAL				768828		

SUHANA BINTE SAEM	HEALTHWAY MEDICAL	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	63115172	62350809
SULAIMI BTE DAMAN	NATIONAL SAFETY COUNCIL OF SPORE	315	OUTRAM ROAD	10	09A	TAN BOON LIAT BUILDING	169074		
SURAIYA BINTE SALIM ALJAROO	DRS KOO,NEOH & ASSOCIATES	750A	CHAI CHEE ROAD	8	3	TECHNOPARK @ CHAI CHEE	469001	64443233	62142143
SURIANI BINTE ESAH	ENVOIRONMENT HEALTH & SAFETY	1	PEARL BANK	1	4	PEARL BANK APARTMENTS	169016	2235356	2234959
T.TAMIL SELVI	MARINA MEDICAL CENTRE	78	GUAN CHUAN STREET	1	39	TIONG BAHRU ESTATE	160078	2222177	2223380
TAN BOON HAI	THE HEARING SPECIALIST GROUP LLP	321	JOO CHIAT PLACE			EAST SHORE HOSPITAL	427990	63460858	
TAN BOON SIANG LAWRENCE	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD	1	1	CARLTON HOTEL	189558	63370090	63387795
TAN CHAI HONG DOREEN	RAFFLES MEDICAL GROUP	6	RAFFLES BOULEVARD	8	5	MARINA SQUARE	039594	63396644	63396698
TAN CHIN LYNN SABRINA	CHANGI GENERAL HOSPITAL	2	SIMEI STREET 3			CHANGI GENERAL HOSPITAL	529889	68502788	
TAN GEE HWEI JESLIN	MINDEF/CMPB/MCC	3	DEPOT ROAD	1	19	DEFENCE TECHNOLOGY BUILDING	109680	63731328	63731350
TAN HAO FENG	MINDEF	215	TANAH MERAH COAST ROAD	2	21		498822	65444170	65444163
TAN HEE HEAN	DRS KOO & NEOHMMEDICAL GROUP	70	WOODLANDS AVENUE 7	8	3	ADMIRALTY MRT STATION	738344	64443233	62142143
TAN HEE HEAN	DRS KOO & NEOHMMEDICAL GROUP	750A	CHAI CHEE ROAD	8	3	TECHNOPARK @ CHAI CHEE	469001	64443233	62142143
TAN JOO LING	HOSPITAL	363	BALESTIER ROAD				329784	3598157	
TAN KAH LOK PETER	POINT MEDICAL GROUP	399	YUNG SHENG ROAD	1	31		610399	62656587	62680424
TAN LI HUI	PANG INDUSTRIAL HEALTH SERVICES	22	BUKIT BATOK STREET 52	7	900	GUILIN VIEW	659245		
TAN LI LI	SHENTON MEDICAL GROUP	10	ANSON ROAD	36	1	INTERNATIONAL PLAZA	079903	62202911	62246865
TAN MEI JIN KEARIS	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	
TAN MING JUAT @ MONG KIM	SINGAPORE TECHNOLOGIES AEROSPACE LTD	540	AIRPORT ROAD				539938		
TAN MOI HA ANGELINE	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	63116122	63112123

TAN SHEAU ROU	ACUMED MEDICAL GROUP	10	TOH GUAN ROAD	9	2	T T INTERNATIONAL TRADEPARK	608838	65663311	65677365
TAN SIANG PENG KELVIN	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	3111129	3111139
TAN SIEW KHEN	OTICON SINGAPORE P L	402	ORCHARD ROAD	3	19/20	DELFI ORCHARD	238876	62382912	62388876
TAN SIEW KHIM	CLIFFORD DISPENSARY	188	BOON LAY DRIVE	1	288		640188		
TAN WAN LING	JURONG MEDICAL CENTRE	60	JURONG WEST CENTRAL 3	1	8		648346	66022663	66023794
TAN WEE MIN MAVIS	RESOUND HEARING SERVICE CENTRE	19	TANGLIN ROAD	1	17	TANGLIN SHOPPING CENTRE	247909	67362461	67362462
TANG MI LUEN NATLIE	SATA COMMHEALTH MEDICAL CENTRE	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	64882904
TANG SZE CHIA	HEALTHWAY MEDICAL GROUP	2	LENG KEE ROAD	6	7	THYE HONG CENTRE	159086	63275596	93231409
TAY KWEE KEE KELLY	EXXONMOBIL CHEMICAL ASIA PACIFIC	18	PIONEER ROAD				628498	66316128	66317310
TEH KIM LUANG JASMINE	HEALTHWAY MEDICAL ENTERPRISES PTE LTD	2	LENG KEE ROAD			THYE HONG CENTRE	159086	63115172	62350869
TEO BING YU WENDY	THE HEARING SOLUTION COMPANY	76	BRAS BASAH ROAD	1	1	CARLTON HOTEL	189558	63370090	63387795
TEO KERNG CHYAU ISAAC	R&D HEARING PTE LTD	3	SIMEI STREET 6	4	9	EASTPOINT MALL	528833	67873008	67873008
TEO LAY KOON JOJO	DAYSPRING CORPORATE	100	LORONG 23 GEYLANG	8	1	D'CENTENNIAL	388398	63399339	63399789
TEO LIAN CHOO PENNY	SINGAPORE OCCUPATIONAL HEALTH SERVICES	12	PANDAN LOOP				128230	8725020	7790120
TEO SIEW LENG JOYCELYN	SATA COMMHEALTH	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446703	64882904
TEO TIONG KIAT	SINGAPORE OCCUPATIONAL HEALTH SERVICES	308	CLEMENTI AVENUE 4	1	113		120308	67772829	68725679
TEO YEAN LING MAYVIEN	INVISTA SINGAPORE FIBERS PTE LTD	39	TUAS CRESCENT				638726	68604934	68604973
TERENCE CHOW TUCK MING	KHOO TECK PUAT HOSP	90	YISHUN CENTRAL				768828		
THOMAS PAMELA	HEALTHWAY MEDICAL GROUP	15	CAIRNHILL ROAD	4	3	CAIRNHILL PLACE	229650	62382290	68363629

TING PIK HEE	SATS	20	AIRPORT BOULEVARD			SATS INFLIGHT CATERING CENTRE 1	819659	65418296	65418299
TOH ZHI XIAN	MINDEF	215	TANAH MERAH COAST ROAD	2	21		498822	65444170	65444163
TONG WAI LENG	SENNHEISER ELECTRONIC ASIA PTE LTD	438A	ALEXANDRA ROAD	8	10	ALEXANDRA TECHNOPARK	119967	63700515	62735038
VEERAPPAN SARATHAMBAL	DRS HORNE & CHIN PL	1	SCOTTS ROAD	17	1	SHAW CENTRE	228208	64911371	67344276
VIVIAN ANTOLIHAO NABUA	AKC MEDICAL CENTRE PTE LTD	27A	HILLVIEW TERR				669241	68940232	
WEE GEOK CHOO ANGELINE	KEPPEL SHIPYARD LTD (BENOI YARD)	15	BENOI ROAD				629888	68602832	68602650
WENDY TEO KAR LENG	PARKWAY SHENTON	9	RAFFLES PLACE	29	2	REPUBLIC PLAZA	048619	65345343	65344535
WONG CHUN YONG	AFPN CHANGI NAVAL BASE	126	TANAH MERAH COAST RD	2	4	CHANGI NAVAL BASE	498822	68642996	68642610
WONG LOK HANG	MINDEF	215	TANAH MERAH COAST ROAD	2	21		498822	6544170	65444163
WONG PHEE LING	K N CHIN & ASSOCIATES	9	BATTERY ROAD	5	7	STRAITS TRADING BUILDING	049910	65389533	65365815
WONG WAI SEE	DRS HORNE & CHIN PL	1	SCOTTS ROAD	17	1	SHAW CENTRE	228208	64911371	67344276

WU POI LING GRACE	DIGI-SOUND HEARING CARE CENTRE PTE LTD	35	KRETA AYER ROAD				089000	62244406	62279287
WU POI YEE	DIGI-SOUND HEARING	133	NEW BRIDGE ROAD			CHINATOWN	059413	63389626	
XU YINJUAN	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD	12	0	RAFFLES HOSPITAL	188770	63111111	63112136
YANG YITING	RAFFLES MEDICAL GROUP	585	NORTH BRIDGE ROAD	1	0	RAFFLES HOSPITAL	188770	63111260	63111177
YAO QIAN	HEALTHWAY MEDICAL GR	690	JURONG WEST CENTRAL 1	1	193		640690	67921812	67924480
YAP KIM KEE	S'PORE OCCUPATIONAL HEALTH SERVICES PTE LTD	352	CLEMENTI AVENUE 2	1	111	CLEMENTI AVENUE 2 SHOPPING	120352	7772830	8725679
YAP LAY PING ANDREA	THOMSON MEDICAL PTE LTD	339	THOMSON ROAD			THOMSON MEDICAL CENTRE	307677	62561682	63563327
YE PEI LI	SATA	351	CHAI CHEE STREET			SATA C & H CLINIC	468982	62446688	64482087
YEO CHENG HAI	S.T.MEDICAL SERVICES PTE LTD	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	4880618	2855100
YEO CHIN HOCK	OTICON SINGAPORE P L	402	ORCHARD ROAD	3	19/20	DELFI ORCHARD	238876	62382912	62388876
YEO LAY HWA JESSIE	ENERGIZER(S) PTE LTD	25	GUL WAY				629197	68603465	68631159
YEO SI KIANG JULIANA	S.T.MEDICAL SERVICES PTE LTD	492	AIRPORT ROAD			PAYA LEBAR AIRBASE	539945	64880632	62855100
YEONG SAU LIN	RAFFLES MEDICAL GROUP PTE LTD	3	ROBIN DRIVE			ROBIN COURT	258263		
YEOW BEE GEOK	HMI BALESTIER HOSPITAL PTE LTD	363	BALESTIER ROAD				329784	3598157	3598158
YEW POH PENG IVIN	MANUFACTURING SINGAPORE	26	TUAS SOUTH AVE 10				637437	65008883	65008847
YIAP KIM HONG	WIDEX SINGAPORE PTE LTD	304	ORCHARD ROAD	6	13	LUCKY PLAZA	238863	67346208	62354738
ZAHARA BTE SAWAL LUDIN	SINGAPORE OCCUPATIONAL HEALTH SERVICES	352	CLEMENTI AVENUE 2	1	113	AVENUE 2 SHOPPING CENTRE	120352	67772829	68725679
ZALEHA BTE RIDWAN	RAFFLES HOSPITAL	585	NORTH BRIDGE ROAD			RAFFLES HOSPITAL	188770	3111129	3111139
ZHAO SHU YI	C C LAU EAR NOSE CTR	3	MOUNT ELIZABETH	14	11	MOUNT ELIZABETH HOSPITAL	228510	62359535	
ZHAO YING	ALEXANDRA HEALTH P L	90	YISHUN CENTRAL				768828	66022663	66023794
ZHENG SHOUCAI	INVISTA SINGAPORE PTE LTD	39	TUAS CRESCENT				638726	68604943	68604984

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감사의 글

본 책자를 작성하는 데 많은 도움을 주신 싱가포르 인력부(Ministry of Manpower)의 Kevin Teoh(Director, Occupational Safety & Health Inspectorate)씨와 Lin Shilie(Assistant Director, Incident Reporting and Investigation)씨에게 감사의 글을 올립니다.

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해외 진출기업을 위한

산업안전보건제도

= 싱가포르 편 =

2012년 11월 인쇄
2012년 11월 발행

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