INTRODUCTION TO ISO/FDIS 45001 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS – REQUIREMENTS WITH GUIDANCE FOR USE

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SENIOR GENERAL MANAGER
MANAGEMENT SYSTEM CERTIFICATION DEPARTMENT
Managing Director

Senior General Manager
Management System Certification
- Food, Agriculture & Forestry
- Mechanical & Automotive
- Civil & Construction
- Electrical & Electronics
- Chemical & Material Services
- Sustainability Certification
- Technical
- Sales & Business Development

Senior General Manager
Testing Services
- Business & Customer Support
- Mechanical & Automotive
- Chemical & Consumer
- Radio Frequency & Electromagnetic Compatibility
- Electrical & Electronics 1 (EEST1)
- Electrical & Electronics 2 (EEST2)
- Customer Support Services (Electrical)
- Civil & Construction
- Fire Protection
- Technical & Calibration
- Plastics & Composite Materials

Senior General Manager
Product Certification & Inspection
- Industrial, Consumer Certification & Inspection
- Electrical & Electronics Certification & Inspection
- Communications & Multimedia Certification
- Technical
- International Business

Senior General Manager
Corporate Services
- Human Resource & Administration
- Marketing & Branding
- Finance
- Procurement, Asset & ICT Management

Effective on 15 March 2017
# CERTIFIED CLIENTS

<table>
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<tr>
<th>Standards</th>
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<tbody>
<tr>
<td>ISO 9001 (QMS)</td>
<td>2830</td>
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<tr>
<td>ISO 14001 (EMS)</td>
<td>586</td>
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<tr>
<td>OHSAS 18001/MS 1722 (OHSMS)</td>
<td>602</td>
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</tbody>
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No. of auditors: 100  
No. of sub contract auditors: 142
SIRIM QAS International’s accreditations by local and international bodies demonstrate its high degree of **competency**, impartiality and credibility in the area of conformity assessment. Our certification services are carried out in accordance with international standards.

SIRIM QAS International is a member of IQNet which is world largest network of certification bodies. Our certificates are recognized by IQNet partners in **36 countries**.
INTERNATIONAL RECOGNITION: 36 PARTNERS WORLDWIDE UNDER IQNet

- 2,500 auditors and experts
- 57,000 certified locations in more than 130 countries
- 100,000 audit days per year
- 80 offices in 60 countries
- IQNet Member with 36 partner CQIs worldwide
Middle East Branch

Bahrain

• Located in Manama, Bahrain
• Official opening on 30 March 2017
• Gateway for SIRIM QAS International to the Middle East market
Occupational Health & Safety Management System Certification

- OHSAS 18001 : 2007
- MS 1722 : 2011
NEW SERVICES

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS CERTIFICATION AGAINST ISO 45001:2018

CERTIFIED TO ISO 45001:2018
CERT. NO: XXXXXXX
Level of Standardisation

- International
- Regional
- National
- Association
- Organisation/Company

OHSMS Standards

- ISO 45001:2018
- MS 1722:2011
- OHSAS 18001:2007
DEVELOPMENT OF ISO 45001

Prepared by ISO/PC 283, *Occupational health and safety management systems*
6th ISO PC 283 Meeting
Pusat Rehabilitasi PERKESO Tun Abdul Razak
Ayer Kroh Melaka
18th – 23rd September 2017
Attended by: 97 delegates and 12 observers  
41 member bodies  
14 liaison organisations  
5 member bodies attended first time  
27 delegates attended for the first time
Chairman And Secretary ISO PC283

Charles Corrie
Secretary – ISO PC283

Chairman – ISO PC 283
DEVELOPMENT OF OSH MS STANDARD IN MALAYSIA

STRUCTURE OF ISC W – responsible for the development of standards related to OSH

Chairman : Dato’ Ir Mohtar Musri (JKKP)
Secretary : Pn. Zuraidah Baba (SIRIM Berhad)

5 Technical Committee (TC)

TC W/6
Safe system of work and Practices in Occupational Settings
COMMITTEE MEMBERS OF TC/W/6

- JKKP
- NIOSH
- IEM
- MEF
- PERKESO
- UPM
- SIRIM QAS INTERNATIONAL SDN. BHD.
- JKR
- MAPA
- MTUC
- KKM
ISO 45001 will replace OHSAS 18001 and current users of OHSAS 18001 will need to update their systems according to the requirements of the new international standard within a two/three year transition period that will commence after the standard is published for use.
Currently there is no decision whether DSM will adopt the ISO 45001 as a Malaysian Standard or not.

If the ISO 45001 is adopted as a Malaysian Standard, as normally done for other management systems standards such as MS ISO 9001 and MS ISO 14001, then MS 1722 will be redundant to MS ISO 45001.
The **purpose** of an OH&S management system is to **provide a framework for managing OH&S risks**.

The **intended outcomes** of the OH&S management system are to **prevent injury and/or ill health** to workers and to provide **safe and healthy workplaces**.
ISO 45001:2018, *Occupational health and safety management systems – Requirements with guidance for use*

**Who can use ISO 45001?**

- Any organization, of any size, or of any nature of its work

- Helps to improve health and safety performance, reduces workplace risks, creates safer work environment
before/after ISO 45001

The publication date is early 2018

Illustrations: Aslano BOSA
ISO 45001

This document does not address issues such as product safety, property damage or environmental impacts, beyond the risks they provide to workers and other relevant interested parties.
The New Paradigm in QMS/OHSMS/EMS

- Improved alignment with other management systems standards
- Risk based thinking
- Strategic thinking
- Sustainable development
Context of the organization (4)

Scope of the OH&S management system (4.3/4.4)

- Planning (6)
- Leadership and Worker Participation (5)
- Support (7) and Operation (8)
- Performance evaluation (9)
- Improvement (10)

External and Internal Issue (4.1)

Intended outcomes of the OH&S management system

Need and expectations of workers and other interested parties (4.2)
TERMS AND DEFINITIONS

**Worker**

Person performing work or work-related activities that are under the control of the *organization* (3.1).

Note 1 to entry: Persons perform work or work-related activities under various arrangements, paid or unpaid, such as regularly or temporarily, intermittently or seasonally, casually or non part-time basis.

Note 2 to entry: Workers include *top management* (3.12), managerial and non-managerial persons.

Note 3 to entry: The work or work-related activities under the control of the organization may be performed by workers employed by the organization, or other persons, including workers from external providers, contractors, individuals, and agency workers.
**Participation**

Involvement in decision-making.

Note 1 to entry: Participation include in engaging health and safety committees and workers’ representatives, where they exists.

**Consultation**

Seeking views before making any decision.

Note 1 to entry: Consultation includes engaging health and safety committees and workers’ representatives, where they exists.
ISO 45001 vs OHSAS ISO 18001

In general … these two standards are similar. Only more emphasis given on certain areas.

• there are now ten section; whereas OHSAS 18001 has four sections
• more focus on managing risks to improve OSH performance and achieve OSH objectives
• more focus on the need to demonstrate and understand compliance status at all times
• more emphasis on contractors, procurement and outsourcing process to reduce risks to the organisation
• leadership - top management need to take an active role e.g. strategic planning and leading organisational culture
## High Level Structure (HLS) in Q-OSEH-E MS

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OSH RISKS

The consequences of failure to properly manage occupational safety and health risks are stark.

It is estimated by the ILO that each year 2.3 million people are killed as a result of work-related accidents and diseases; there are around 313 million workplace accidents; and 160 million people are affected by occupational disease.

The failure are estimated to cost approximately 4% of the world’s GDP per annum.
Consequences of not managing risk...

1984: Union Carbide pesticide factory, Bhopal India – release of toxic methyl isocynate gas

- > 3,000 people died within the first 24 hours
- > 20,000 people died in the past 30 years
- > 500,000 survivors impaired with breathing difficulties, vision problems, spells of unconsciousness, and psychological disorders
- High rate of miscarriages
- Birth defects

What is the source of the risk?
### 4. Context of the organisation

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<td>4.4.1, 4.4.3, 4.4.6</td>
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<td>5.2 OH&amp;S policy</td>
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<td>5.3 Organizational roles, responsibilities, and authorities</td>
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<td>5.4 Consultation and participation of workers</td>
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<td>Determination of legal requirements and other requirements</td>
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<td>6.2</td>
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<td>OH&amp;S objectives and planning to achieve them</td>
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<td><strong>7. Support</strong></td>
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<td><strong>8.1</strong></td>
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<td>8.1.4 Procurement</td>
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<td>8.2 Emergency preparedness and response</td>
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<tr>
<td>10.3 Continual improvement</td>
<td>New Requirement</td>
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CREATING THE OSH CULTURE

Attitude on OSH
Individual personal belief

Behavior on OSH
Individual action towards the belief

OSH Culture
Same beliefs and actions among all members in the group/organization

HOW to create the culture??? Tone from the top
Conclusion

• The new ISO standard on OHS MS has the same high level structure (HLS) with 10 key elements to improve alignment with other management systems standards.

• ISO 45001 is risk-based, promote strategic thinking and support sustainable development.

• Intended outcome of ISO 45001 is to prevent injury and ill-health and to provide a safe and healthy workplace... mentally and physically

• Building a OSH MS is relatively easy, but, building a OSH culture is challenging. It starts with the tone from the top.
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