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BPS1353 Hazard Recognition & Risk Management

Introduction to Risk Management

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Chapter Description

- Aims
 - Explain safety legalization and standard related to hazard recognition and risk management.
- Expected Outcomes
 - Able to understand fundamentals of hazard recognition and risk management.
- References
 - OSHA 1994 Act
 - www.dosh.gov.my
 - MS 1722:2011 Occupational Health and Safety Management System (OHSMS)



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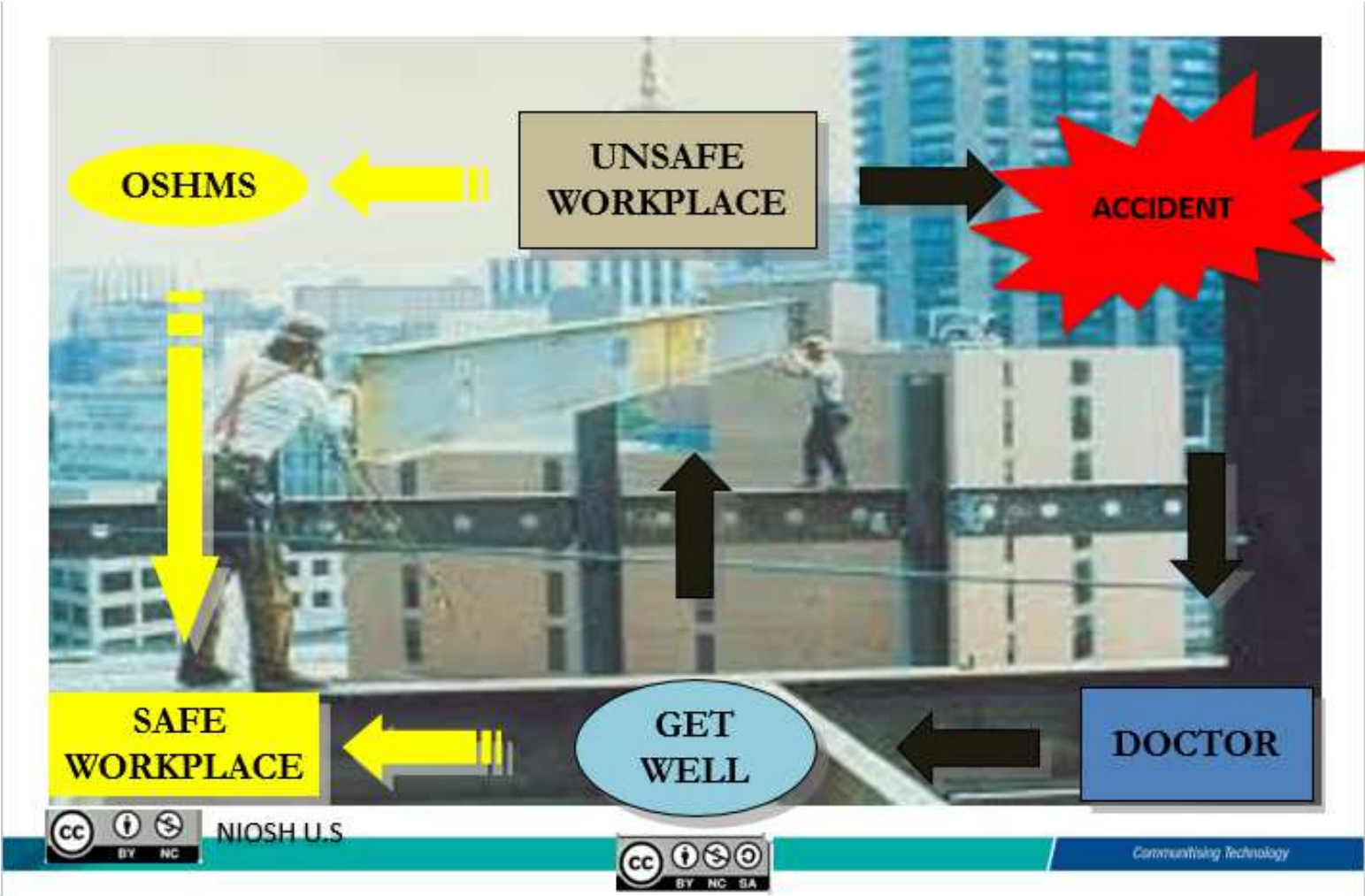
Content

- Introduction
- Safety Legalization and Standard
- Benefit of risk management



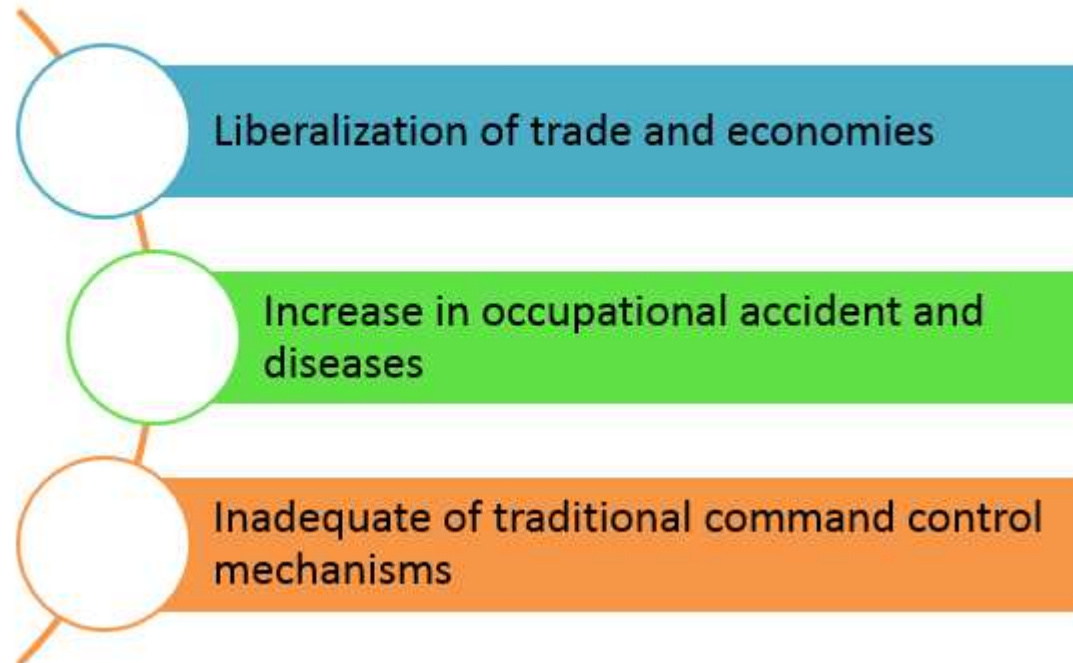
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Introduction



Introduction

Motivations....



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Safety Legalization & Standard in Malaysia

OSHA 1994

Sec. 15(2)(b) The making of arrangement for ensuring, so far as is practicable, safety & absence of risks to health in connection with the use or operation, handling, storage and transport of plant and substances

CIMAH Regulation 1996 (Schedule 6)

USECHH Regulations

Occupational Safety and Health (Use and Standard of Exposure Chemical Hazardous to Health) Regulations 2000

Source: www.dosh.gov.my



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Safety Legalization & Standard in Malaysia

National Standard

- **MS 1722:2011** – Occupational Safety and Health Management Systems – Requirements

Associated Standard (recognized internationally)

- **OHSAS 18001:2007**– Occupational, health and safety Management Systems – Requirements

Source: www.dosh.gov.my



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MS 1722: 2011 Elements

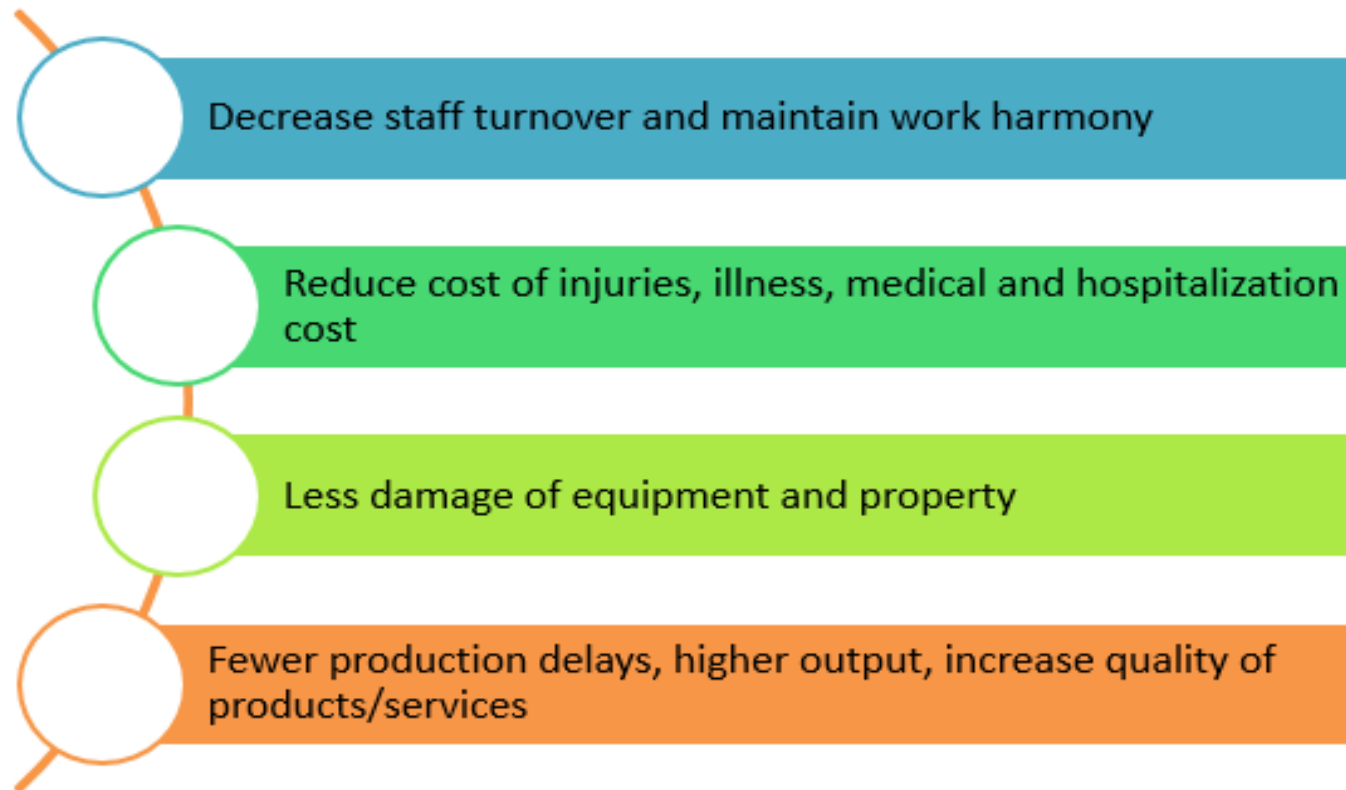
| Elements | Section | Sub-elements |
|-----------------------------|---------|--|
| Policy | 3.1.1 | Occupational safety and health policy |
| | 3.1.2 | Employee participation |
| Organizing | 3.2.1 | Responsibility and accountability |
| | 3.2.2 | Competence and training |
| | 3.2.3 | Occupational safety and health management system documentation |
| | 3.2.4 | Communication |
| Planning and implementation | 3.3.1 | Initial review |
| | 3.3.2 | Occupational safety and health objectives |
| | 3.3.3 | Hazard Identification, Risk Assessment and Risk Control (HIRARC) |
| | 3.3.4 | Emergency prevention, preparedness and response |
| | 3.3.5 | Management of Change |
| | 3.3.6 | Procurement |
| | 3.3.7 | Contracting |
| Evaluation | 3.4.1 | Performance monitoring and measurement |
| | 3.4.2 | Incident investigation |
| | 3.4.3 | Audit |
| | 3.4.4 | Management review |
| Action for improvement | 3.5.1 | Preventive and corrective action |
| | 3.5.2 | Continual improvement |

Source: MS 1722: 2011



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Benefit of Risk Management



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Benefit of Risk Management

Minimize penalties- compliance with related regulations

Reduce risk premium- insurance

Secure investors confident and investment

Increase organization reputations



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When to Conduct Risk Assessment



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Conclusion

- OSHA 1994, CIMAH 1996, USECHH 2000, OSH-MS (MS 1722:2011) and OHSAS18001 are related safety legislation and standard towards risk management in Malaysia
- Risk management gives organization more effective way of managing hazard.



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