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WORKPLACE SAFETY & HEALTH CONFERENCE

IN CONJUNCTION WITH WORLD DAY FOR SAFETY AND HEALTH AT WORK 2024

THE IMPACT OF CLIMATE CHANGE ON OCCUPATIONAL SAFETY AND HEALTH

30 APRIL - 01 MAY 2024, ICC

LEGAL REQUIREMENT OF WORKING AT HEIGHT

ELSAYED SALAH HAMOUDA

Assistant Director, Compliance & International Affairs Division, SHENA



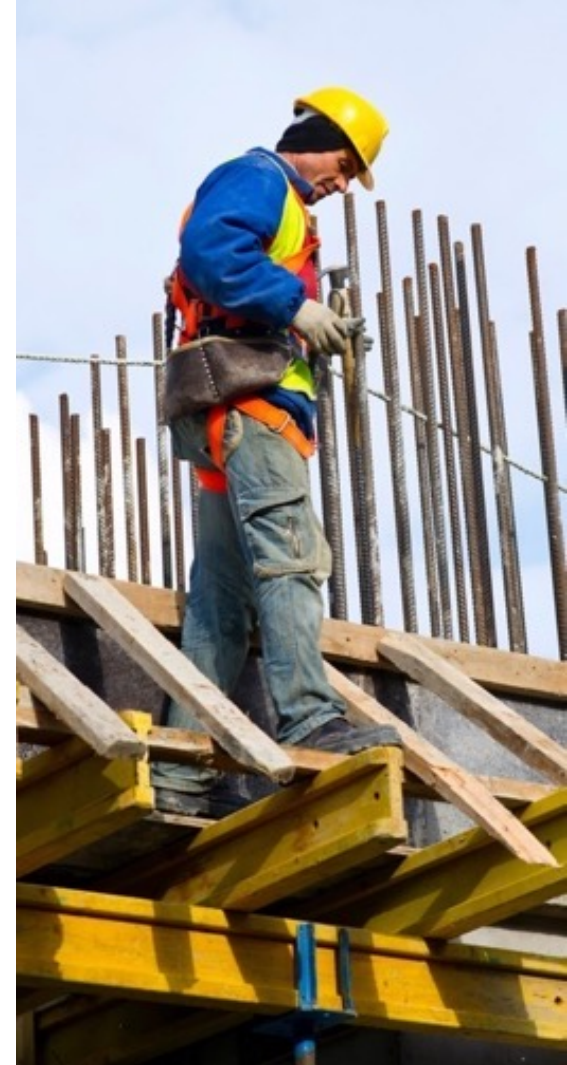
WORKING AT HEIGHT

- Working from a place where a person, if precautionary measures are not taken, could fall at a distance and liable to cause injury or fatality.
- A review of work-related fatality statistics has shown that fall from height is the major cause of fatalities on construction sites.
- The first National HSE Themes

Key Findings:

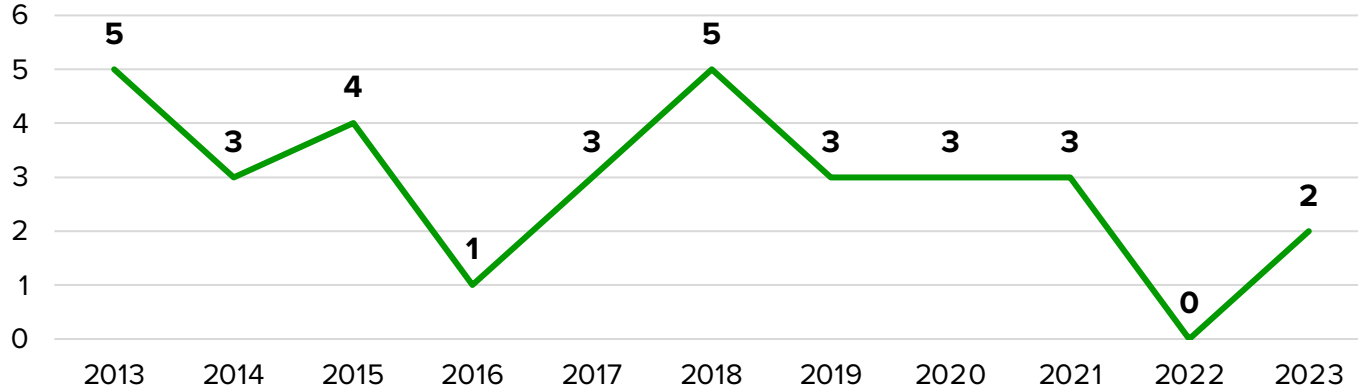
Poor management of working at height activities:

- Risk assessment
- Use of fall protection device
- Supervision and Implementation at site
- Rescue at height

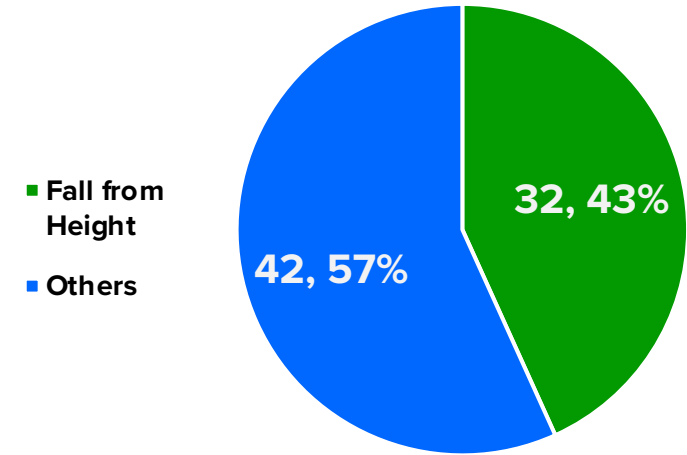


FALLING FROM HEIGHT STATISTICS

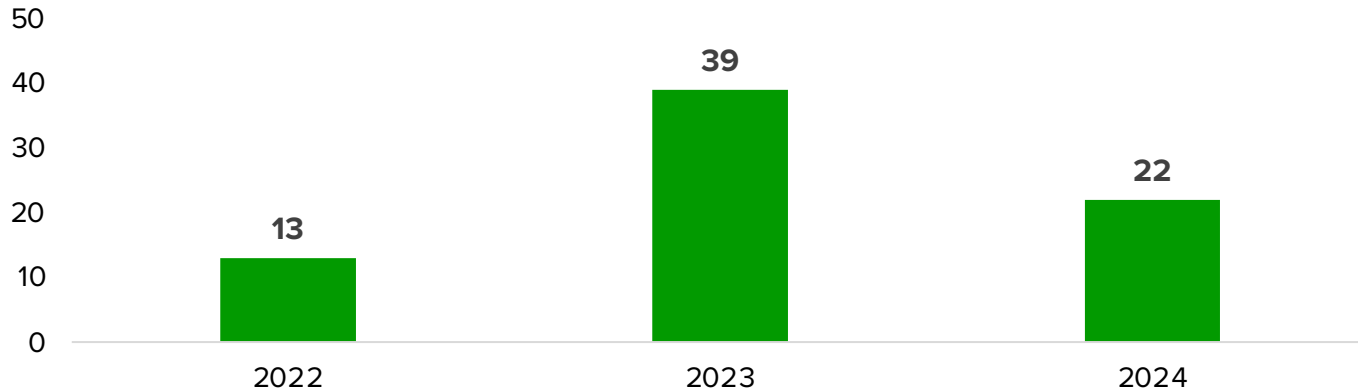
ANNUAL FALL FROM HEIGHT FATALITIES



CUMULATIVE FALL FROM HEIGHT FATALITIES



IIN RECEIVED FOR FALL FROM HEIGHT



22
 INJURIES HAVE BEEN REPORTED
 AS OF 8TH April 2024

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LEGAL REQUIREMENTS ON WORK AT HEIGHT:

GENERAL DUTIES / RESPONSIBILITIES UNDER WSHO, 2009

GENERAL DUTIES / RESPONSIBILITIES UNDER WSHO, 2009



**OCCUPIER
(SECTION 11)**

**EMPLOYER
(SECTION 12)**

**PRINCIPAL
(SECTION 14 & 14A)**

**PERSONS AT WORK
(SECTION 15)**



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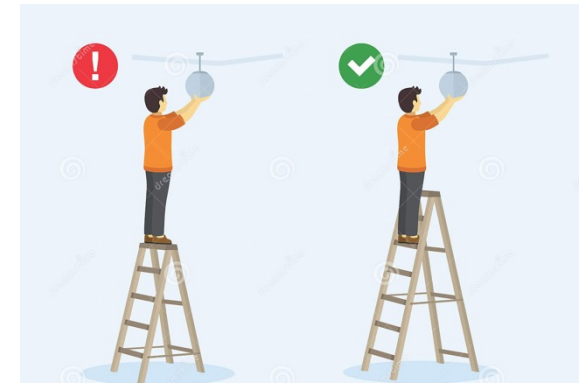


WSH (RISK MANAGEMENT) REGULATIONS, 2014

WSH (RISK MANAGEMENT) REGULATIONS, 2014

RISK ASSESSMENT

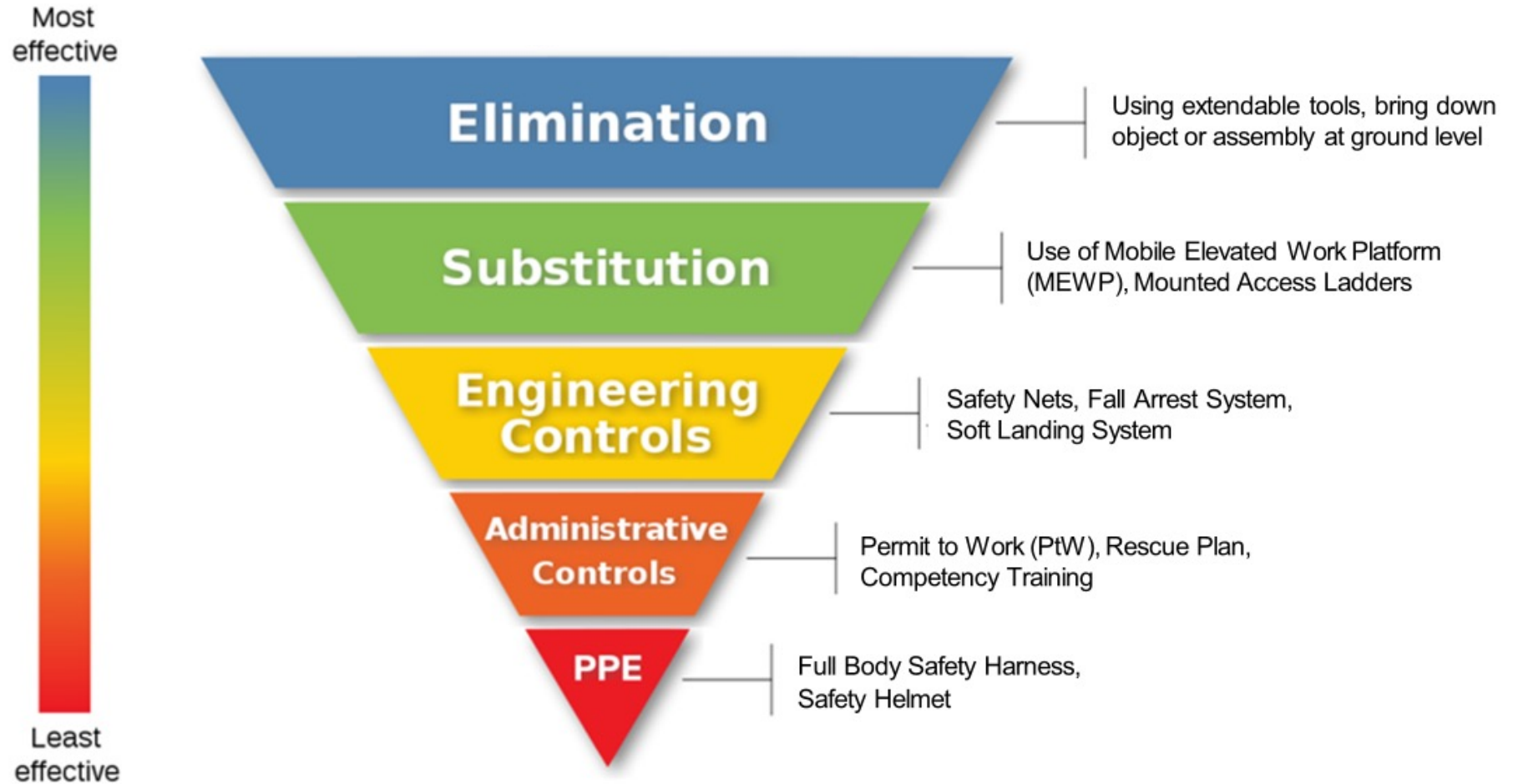
Department:	RA Leader:	Approved by:	Reference Number
Process:	RA Member 1:	Signature:	
Activity/Location:	RA Member 2:	Name:	
Assessment Date:	RA Member 3:	Designation:	
Last review Date:	RA Member 4:	Date:	
Next review Date:	RA Member 5:		
1 Hazard Identification		2 Risk Evaluation	
		3 Risk Control	



Risk Matrix: Likelihood x Severity

WSH (RISK MANAGEMENT) REGULATIONS, 2014

HIERARCHY OF CONTROLS



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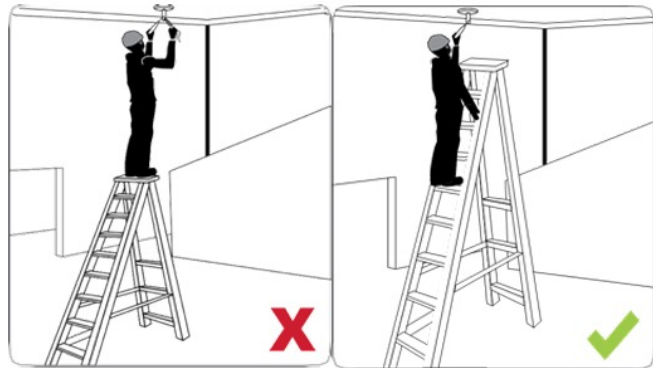
**WSH (GENERAL
PROVISIONS)
REGULATIONS,
2014**

WSH (GENERAL PROVISIONS) REGULATIONS, 2014

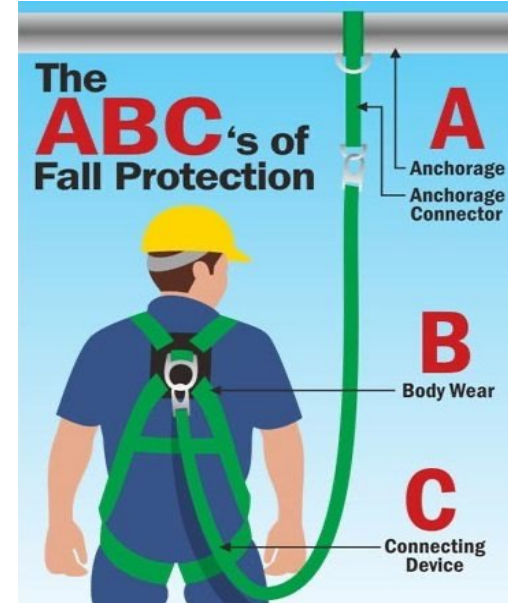
MEASURES TO BE TAKEN TO PREVENT FALLS (REGULATION 23)



- Ensure all openings in the floors of the workplace are covered or guarded.



- Provision to provide secure of handhold and foothold



- Provision of Safety Harness (fall arrest system)



- Risk of working substance likely to cause drowning or asphyxiation



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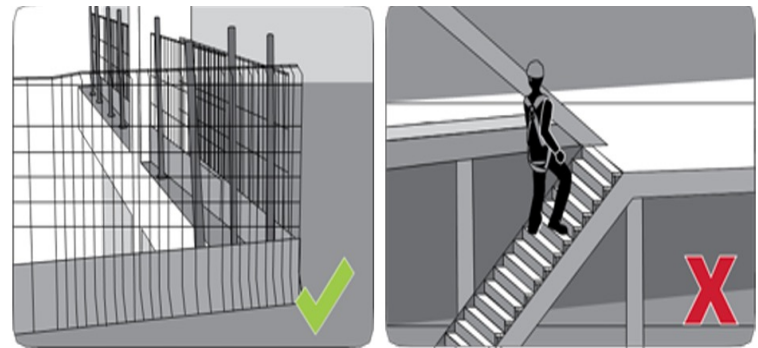
WSH (CONSTRUCTION) REGULATIONS, 2014



- Permit to Work (Regulations 10)



- Work-on the roof (Regulation 23)



- Effective guardrail, barrier or other equally effective means to prevent fall (Regulation 22(2))



- Protection from sliding (Regulation 23(1)(b))

WSH (CONSTRUCTION) REGULATIONS, 2014

PROTECTION AGAINST FALLING OBJECTS (REGULATION 25)

Duty of occupier to ensure that adequate overhead protection is provided in the worksite against objects that could fall on or otherwise hit persons.



SAFETY NET



TOE-BOARD



OVERHEAD PROTECTION

WSH (CONSTRUCTION) REGULATIONS, 2014

LADDERS (REGULATION 43)



Duty of employer or principal whose under direction any person carry out work which requires use of ladder to ensure the ladder is of a good construction, **sound material and adequate strength for the purpose for which it is used.**

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**CONCERNS
FOR WORK AT
HEIGHT**

CONCERNS FOR WORK AT HEIGHT



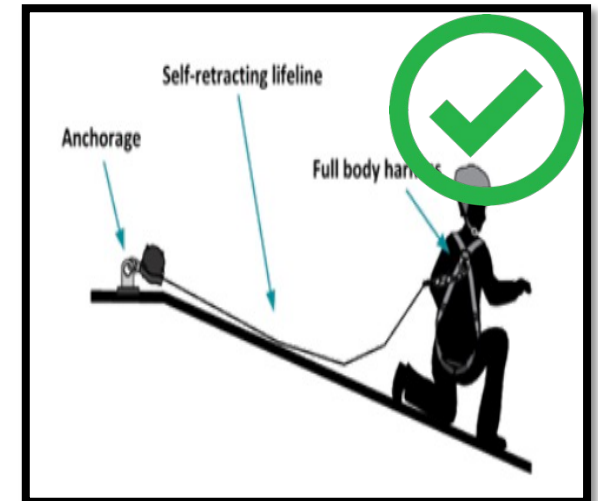
SCAFFOLDS

- Incomplete e.g single plank used as working platform
- Absence of proper access and egress
- Missing toe boards and guard rails
- Lack of bracing and secure tie in to the building
- Improper base plate and/ or uneven ground
- No inspection from competent person e.g scaffold tag
- Lack of fall protection
- Absence of PPE e.g safety harness
- Lack of training and competence of workers



WORKING ON THE ROOF

- × No protection against sliding or falling (gangways & crawler boards)
- × No use of safety harness with sufficient anchorage and lifeline
- × Use of home-made ladder
- × Risk of falling object



CONCERNS FOR WORK AT HEIGHT



× Riding on loads/slings/hooks of machinery



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**AVAILABLE
RESOURCES**


CONSTRUCTION SELF-ASSESSMENT CHECKLIST

 شہنا Safety, Health and Environment National Authority		SELF ASSESSMENT CHECKLIST: CONSTRUCTION	DOC NO.: SHENA/IND/3.2 (REV.1) MAY 2020				
<p>This self-assessment checklist is a tool used to aid employers, principals and employees to comply with the Workplace Safety and Health Order, 2009. The objective of this checklist is to make employers, principals etc. aware of factors that have an impact on health and safety. Remember this checklist is only a guide, scoring should not be construed as implying any liability nor should it be taken to encapsulate all the responsibilities and obligations of the company under the law. If you answer 'No', you should take action to learn more about and fix the hazard you identified. You may need to do more than one assessment. You are advised to regularly review and update your assessment to ensure you maintain a safe workplace.</p> <p>A copy of the checklist and proven evidence shall be kept by the HSE focal point of your company/organization. This checklist will be reviewed by Safety, Health and Environment National Authority (SHENA) during any planned inspections or monitoring visits conducted by SHENA.</p> <p>Please refer to Workplace Safety and Health (Construction) Regulations, 2014 and IGN/2019/02 at SHENA website for Guidance to Workplace Safety Health in Construction Sites.</p>							
NAME OF COMPANY & ADDRESS							
PROJECT TITLE (as relevant)							
PROJECT MANAGER (as relevant)							
WORKSITE ADDRESS							
TYPE OF WORK ACTIVITIES	General building and construction work	Engineering construction work					
	Refurbishment work	Civil Engineering work					
	Maintenance and repair work	Others					
TOTAL NO. OF WORKERS AT WORKSITE	CONTACT NO						
	EMAIL						
PROJECT / CONTRACT VALUE	EXPECTED DATE OF COMPLETION AND PHASE						
WORKPLACE SAFETY AND HEALTH (CONSTRUCTION) REGULATIONS, 2014 <table border="1" style="float: right;"> <tr> <th>Yes</th> <th>No</th> <th>N/A</th> <th>REMARKS / JUSTIFICATION / EXPLANATION</th> </tr> </table>				Yes	No	N/A	REMARKS / JUSTIFICATION / EXPLANATION
Yes	No	N/A	REMARKS / JUSTIFICATION / EXPLANATION				
A SAFETY AND HEALTH MANAGEMENT ARRANGEMENT							
1	Do you have and implement a system in your workplace to manage health, safety and environment?						
	<ul style="list-style-type: none"> Safety and Health Management System (SMS) / Site specific HSE Plan / HSE Policy Incident reporting Emergency preparedness Safe Work Practices Risk Assessment 						
2	Is the contract sum of building operation or works of engineering construction to be carried out in a worksite in \$10 million or more? If yes, proceed to 2.b)						
	a) Do you conduct a review of the safety and health management system of worksite at least once every 6 months?						
	b) Do you appoint a workplace safety & health auditor to audit the safety and health management system of the worksite at least once every 6 months?						
3	Is the contract sum of building operation or works of engineering construction more than \$10 million? If yes, proceed to 3.b)						
	a) Do you appoint a workplace safety and health coordinator at worksite during the construction period?						
	b) Do you have a full-time competent workplace safety and health officer appointed by SHENA during the construction period?						
4	Do you have a workplace Safety and Health Committee? (Only applied for a construction company, not on site)						
5	Do you conduct a monthly Site Co-ordination Meeting?						



SCAN TO DOWNLOAD

INDUSTRY GUIDANCE NOTE: GUIDELINES FOR THE SAFE USE OF SCAFFOLDING



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INDUSTRY GUIDANCE NOTE

TOPIC: Guidelines For The Safe Use Of Scaffolding		Reference Number: IGN 01/2020	
Approved by: Chief Inspector	Issue date: 06 Feb 2020	Expiry date: None	Revision No: 2

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SCAN TO DOWNLOAD

OTHERS

WORKPLACE SAFETY NOTICES (WSN)

- Guidance Concerning Installation of Edge Protection and Perimeter Guard-Railing at Worksites in Brunei Darussalam (2021/WSN/03)
- Safety Precautions to Avoid Fall from Height (2021/WSN/06)

COMING SOON

WORKPLACE SAFETY HEALTH (WORK AT HEIGHT) REGULATIONS

Applicable to all Workplace

- Fall prevention plan
- Training for persons at work & supervisions of work at height
- Travel restraint system & fall arrest system
- Hazardous work at height - PTW
- Industrial rope access system
- Etc.



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SAFETY AND HEALTH ISSUES IN A CHANGING CLIMATE

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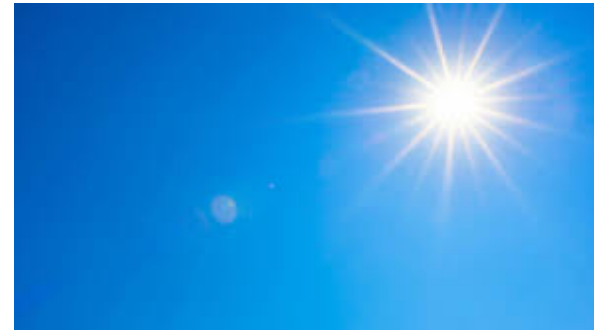
RISKS RELATED TO CLIMATE CHANGE



HEAT STRESS



EXTREME WEATHER



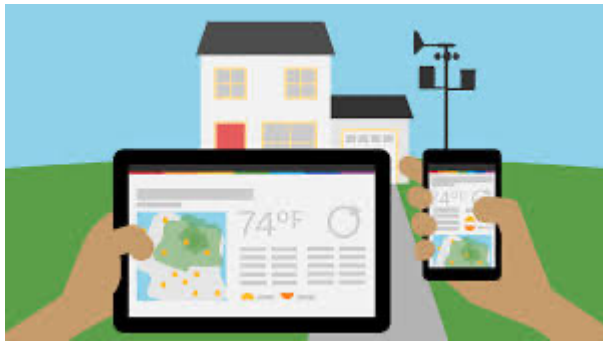
ULTRAVIOLET RADIATION (UV)



AIR POLLUTION

SAFETY AND HEALTH ISSUES IN A CHANGING CLIMATE

SOME ADDITIONAL CONTROL MEASURES FOR WORK AT HEIGHT IN RELATION TO CLIMATE CHANGE



WEATHER MONITORING



INSPECT THE SCAFFOLDS/ EQUIPMENT AFTER ADVERSE WEATHER



HEAT ACCLIMATIZATION FOR WORKERS



PROVIDE SHADED AREA AND DRINKING WATER

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THANK YOU

