

# **Construction Hazards and Risks Control**

**Lecture Title: Health & Safety in Construction: Risks, Hazards, & Legislation Overview**

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**Undergraduate Diploma in  
Occupational Health and Safety**

# Introduction

- **Construction** is one of the **most hazardous** industries, with workers exposed to numerous risks on a daily basis.
- **Accidents, injuries, and fatalities** are unfortunately common, which makes it **essential for health and safety professionals** to understand these risks and implement effective preventive measures.





# **Primary Objectives of H&S in Construction**

- **Ensure worker safety**
- **Prevent accidents and illnesses**
- **Comply with local and international health & safety regulations**



# This presentation will cover:

- The key risks and hazards faced by construction workers.
- Preventive measures and control strategies.
- An overview of the legislation governing health and safety in the construction industry.
- By the end of this session, you will gain insight into creating safer working environments and complying with legal requirements in construction projects.



# Statistics

- The Occupational Health and Safety Authority (OHSA) reported 20 fatalities at work in 2022 and 2023.
- 60% of all fatal accidents that occurred in the past two years involved Maltese nationals.
- 55% of all fatalities at work occurred in the construction sector.

NSO (2024)



# The top four Causes of Construction Work Fatalities

1. Falls 39.2%
2. Struck by an object 8.2%
3. Electrocution 7.3%
4. Caught in or between an object 5.1%



# Hazard

A source or a situation with the potential for harm in terms of human injury or ill-health, damage to property, damage to the environment, or a combination of these.



# **Hazards Examples**

- **Defective surfaces on which people might slip or trip**
- **Unguarded edges from which people might fall**
- **Falling materials,**
- **Moving vehicles that might strike people**
- **Sharp edges**
- **Electricity, fires**

# Risk

The likelihood that a person may be harmed or suffers adverse health effects if exposed to a hazard.



- **<https://www.youtube.com/watch?v=y3dQj1mYlOw>**

# Chronic VS Acute Hazard

An Acute hazard is when it's extremely severe, short-term, and dangerous.

A chronic hazard, on the other hand, is one that is present over a long period of time.

# Avoiding Risk Examples

On a small domestic extension, the architect specified the use of dry lining, thus avoiding the need for cutting and chasing masonry for the installation of electrical and other services. This avoided the risks to the health of the workers from dust, noise and vibrations.

# Safety vs Risk



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# Key Risks in Construction

- Falls from Heights: (Most common cause of fatalities in construction)
- Examples: Scaffoldings, ladders, roof edges.
- Preventive measures: Harnesses, guardrails, safety nets.
- Struck-by Objects: Tools, materials, or equipment causing injuries.
- Preventive measures: Helmets, proper stacking, barriers.



## Cont..

- **Electrocution:** Risks of working near electrical equipment or power lines.
- **Preventive measures:** Proper insulation, trained personnel, lockout/tagout.
- **Caught-in/between:** Machinery, collapsing structures, trench accidents.
- **Preventive measures:** Machinery guarding, proper trench shoring



# Cont..

- **Health Risks:** Long-term exposure to noise, vibration, dust (silica, asbestos), and hazardous chemicals.
- **Control Measures:** Change in equipment, use of PPE (respirators, ear protection), health monitoring.



# Common Construction Hazards

- **Work at Heights:** Scaffolding failures, unsecured ladders, incomplete roofing.
- **Regulations & Controls:** 89/654/EEC standards, use of harnesses, proper anchoring points.



- **Electrical Hazards:**

- Electrocutation from faulty wiring, exposed cables, unprotected circuits.

- **Preventative Measures:** Proper insulation, regular electrical inspections, lockout/tagout (LOTO) procedures.



- **Heavy Machinery & Moving Vehicles:**
- Cranes, forklifts, trucks moving around the site pose serious risks.
- **Safety Tips:** Use of spotters, site traffic management plans, and daily inspections of machinery.

## Certifications

**CREATE A  
SPHERE  
OF  
SAFETY  
PREVENT STRUCK-BY INCIDENTS**

# Best Practices for Safe Crane Lifts

**EXTEND ALL OUTRIGGERS, USE PROPER CRIBBING, AND ENSURE USE OF APPROPRIATE CHARTS TO HELP MAINTAIN STABILITY**

**ENSURE CRANE HAS ANTI-TWO BLOCK DEVICE TO PREVENT TWO-BLOCKING**

**ENSURE PROPER SLING ANGLES OF 45-60 DEGREES**

**USE TAG LINES AND PUSH STICKS TO KEEP THE LOAD UNDER CONTROL**

**NEVER STAND UNDERNEATH A SUSPENDED LOAD!**

**USE CLEAR SIGNALS TO COMMUNICATE WITH THE CRANE OPERATOR**

**SET UP BARRICADES ALL THE WAY AROUND THE CRANE**

For more information on preventing struck-by incidents, visit: [www.cpsc.com/struck-by-hazards](http://www.cpsc.com/struck-by-hazards)

**CDC** **NIOSH** **OSHA** **CPWR**

- **Hazardous Substances:**

- Exposure to asbestos, silica dust, lead, chemicals like solvents or adhesives.

- **Control Measures:** Ventilation systems, protective clothing, asbestos abatement programs, proper labelling of hazardous materials.

# **Legislation**

- **Chapter 646 of 2024 – Health and Safety at Work Act**



- **LN 52 of 2025 - Health and Safety at Work (Minimum Health and Safety Requirements for Work at Construction Sites) Regulations,**

# Definition of Project Supervisor

"project supervisor for health and safety matters" means any natural or legal person appointed by the client or the client's representative as the case may be, to carry out the duties and exercise the powers specified in these regulations

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throughout the project and whose name appears in the register for competent persons administered or otherwise delegated by the Authority;

# Definition of Client / Client Rep

"client" means any natural or legal person for whom a project is carried out;

"client representative" means any natural or legal person appointed by and responsible for the design and/or execution and, or supervision of the execution of a project, on behalf of the client, and to carry out the duties specified in these regulations; who shall fully assume responsibility and appear for the client;

# Definition of Competent Person

"competent person" means a person possessing adequate

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qualifications and minimum accreditations in terms of law or administrative instruments, suitable training and sufficient knowledge, experience and skill for the safe performance of the specific task or work required, and who provides advice with regard to the health and safety at work preventive and protective measures required to be taken, and whose name appears in the competent person register administered or otherwise delegated by the Authority in relation to such matters which are regulated by the Authority;

# Definition of H&S File and H&S Plan

"health and safety file" means a file containing relevant health and safety information to be taken into account during any subsequent works;

"health and safety plan" means a document establishing the rules and information applicable to the construction site and the specific measures concerning work which falls within one or more categories of Schedule II;

# Duties of Client

## Duties of client

3. (1) It shall be the duty of a client to appoint, in respect of a project as is applicable under these regulations, a project supervisor for health and safety matters, and any such appointment may be terminated, changed or renewed provided that another project supervisor for health and safety matters is appointed to carry out such duties throughout the duration of the project.

Appointment of  
project supervisor  
for health and  
safety matters.

(2) The client may act as project supervisor for health and safety matters if he himself is competent to undertake the duties as outlined under these regulations and provided that his name appears in the register for competent persons administered or otherwise delegated by the Authority.

(3) Upon or prior to the appointment of the project supervisor for health and safety matters, an engagement agreement in writing regulating the appointment of the project supervisor for health and safety matters shall be entered into between the client or, where applicable, the client representative and the project supervisor for health and safety matters.

(4) Work-related to a project shall not commence or progress unless a project supervisor for health and safety matters is validly appointed by the client in accordance with these regulations and such appointment shall be notified to the Authority by the client on such form as may be prescribed by the Authority.

# Duties of Client

(5) In case of demise of the project supervisor for health and safety matters, the client shall notify the Authority in writing within fifteen (15) days of their demise in such form as prescribed by the Authority, during which time, work related to a project shall not progress unless a new project supervisor for health and safety matters is validly appointed by the client in accordance with these regulations.

(6) Where the appointment is terminated, for whatever reason, the project supervisor for health and safety matters shall notify the Authority in writing within fifteen (15) days of such termination, in such form as prescribed by the Authority, about such termination. The termination shall only be effective upon notice to the Authority and for avoidance of doubt the project supervisor for health and safety matters shall remain responsible for his duties and obligations in accordance with these regulations until such notice is served.

(7) Upon receiving the written and signed notice of termination, the Authority shall acknowledge the receipt of the notice in writing and notify the client in writing of the effective date of termination in accordance with sub-regulation (6). Work related to a project shall not progress unless a new project supervisor for health and safety matters is validly appointed by the client in accordance with these regulations.

(8) If the client commences or progresses work related to the project before a competent project supervisor for health and safety matters is appointed, the client shall be guilty of an offence against the Act.

(9) The client shall take into account any directions given by the project supervisor for health and safety matters, maintaining a safe environment on the project particularly with regards to any health and safety matters under these, or any other regulations under the Act. The client shall ensure that any directions given by the project supervisor for health and safety matters in ensuring a safe and, or healthy place of work, are implemented and the client shall take all reasonable measures to ensure that duty holders abide by their obligations within the limits of their respective responsibilities.

(10) The client shall keep the project supervisor for health and safety matters updated on the engagement of new contractors and self-employed persons.

# Duties of Client

Health and safety  
file.

4. (1) The client shall ensure that a health and safety file is compiled, kept and made available for inspection, which health and safety files have been prepared in accordance with regulation 13 and any other relevant information regarding health and safety, for inspection by any person who may need information in the file for the purpose of compliance with any statutory obligations.

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(2) When a client disposes of his interests in the project, a client shall deliver the health and safety file in respect of the project to that person who acquires such interest in the project, and any obligations arising out of these regulations remaining for the duration of the project shall be assumed by such person.

5. The client shall ensure that prior to the setting up of a construction site, a health and safety plan is drawn up in accordance with regulation 12.

Health and safety  
plan.

6. In the case of construction sites on which work is scheduled to last longer than thirty (30) working days and on which more than twenty (20) workers are occupied simultaneously, or on which the volume of work is scheduled to exceed five hundred (500) person-days, the client shall communicate a prior notice drawn up in accordance with Schedule III to the Authority, along with any other document or information required by the Authority from time to time, at least four (4) calendar weeks before work starts on the project. Once any work activity on the project commences, a copy of the prior notice in such form as prescribed by the Authority shall be clearly displayed on the construction site by the client and, if necessary, periodically updated by the project supervisor for health and safety matters.

Prior notice.

7. The client shall take account of the general principles of prevention concerning health and safety referred to in the Act and in any other law, as may be appropriate, during the various stages of designing and preparing the project, in particular:

Project preparation  
stage - general  
principles.

(a) when decisions on the architectural, technical and, or organisational aspects are being taken, in order to plan the various items or stages of work which are to take place simultaneously or in succession;



# Duties of Client / Domestic Client

(b) when estimating the period required for completing such work or work stages, account shall also be taken, each time this appears necessary, from all health and safety plans and from files drawn up in accordance with regulations 12(1) and 13(1) or adjusted in accordance with regulations 12(2) and 13(2).

8. Where the client is a domestic client, regulation 3 shall not apply if the following conditions are met: Domestic client.

(a) the project does not require a prior notice in accordance with regulation 6; and

(b) only one (1) contractor for the whole project will be present; and

(c) work does not involve particular risks as listed in

# Client Representative

## Schedule II.

### Client Representative

Client  
representative.

9. (1) The client may appoint in respect of every project, a client representative who acts for the Client and who shall be responsible for the design, execution and, or supervision of the execution of a project and who shall be responsible, on the client's behalf, to carry out the duties imposed by these regulations on the client, *mutatis mutandis* and any such appointment may be terminated, changed, or renewed as necessary.

(2) When a client representative has been appointed in accordance with these regulations, the obligations imposed by these regulations on the client shall apply *mutatis mutandis* and shall be carried out by such client representative instead of the client in accordance with these regulations.

(3) The client representative shall be appointed only if the following information is submitted to the Authority:

(a) the date of appointment of the client representative;

(b) the address of the construction site;

(c) a brief description of the project and the construction work that it entails;

(d) the contact details of the client including name, identity card number, address, telephone and, or mobile phone number and an email address;

(e) the contact details of the client representative including name, identity card number, address, telephone and, or mobile phone number and an email address;

(f) a declaration in such form as prescribed by the Authority of acceptance duly signed by the client representative that he has undertaken to accept the role of client representative and to carry out the duties imposed by these regulations on the client; and

(g) a declaration in such form as prescribed by the Authority duly signed by the client and the client's representative whereby they are expressly consenting to the processing, handling and transmitting of personal data held by the Authority.

(4) Where, during the period of works, the client

# Client Representative & Client / Client Rep Responsibilities

representative resigns or changes for any reason, he shall be obliged to give notice thereof in writing to the Authority. Until such notice is received and approved in writing by the Authority, he shall still be presumed to be the appointed client representative for the site.

(5) In default of an appointment of a client representative in accordance with these regulations, the client shall remain responsible for fulfilling the duties pertaining to the client under these regulations.

## Responsibilities of client or client representative

10. (1) Where the client or client representative has appointed a project supervisor for health and safety matters to perform the duties and exercise the powers under these regulations, this shall not relieve the client or the client representative of their responsibilities in that respect.

(2) The implementation of these regulations shall not affect the principle of employers' responsibility as provided for in the Act or in any other law.

(3) In order to preserve health and safety on the construction site, the client shall take into account any report given in writing by the project supervisor for health and safety matters and shall take all reasonable measures to ensure that duty holders abide by their obligations within the limits of their respective responsibilities.

Responsibilities of  
client and client  
representative.

# Duties of PS for health and safety matters: project preparation stage.

## Duties of the Project supervisor for health and safety matters: project preparation stage

11. The project supervisor for health and safety matters shall coordinate the implementation of the provisions of regulation 7.

Duties of the  
project supervisor  
for health and  
safety matters:  
project preparation  
stage.

12. (1) The project supervisor for health and safety matters shall draw up a health and safety plan setting out the rules applicable to the construction site concerned, taking into account, where necessary, of the industrial activities taking place on the site. The said plan shall also include specific measures concerning work which falls within one or more of the categories of Schedule II.

Health and safety  
plan.

(2) The project supervisor for health and safety matters shall make any adjustments required to the health and safety plan to take account of the progress of the work and any changes which have occurred.

13. (1) The project supervisor for health and safety matters shall prepare a file appropriate to the characteristics of the project containing relevant health and safety information to be taken

Health and safety  
file.

into consideration during any subsequent works.

(2) The project supervisor for health and safety matters shall make any adjustments required to the health and safety file to take account of the progress of the work and any changes which have occurred.

# Duties of PS for health and safety matters: project execution stage.

## Duties of the project supervisor for health and safety matters: Project Execution Stage

General principles  
of prevention,  
health and safety  
plan, and health  
and safety file.

**14.** (1) The project supervisor for health and safety matters shall coordinate the implementation of the general principles of prevention and safety:

(a) when technical and, or organizational aspects are being decided, in order to plan the various items or stages of work which are to take place simultaneously or in succession;

(b) when estimating the period required for completing such work or work stages.

(2) The project supervisor for health and safety matters shall coordinate the implementation of the relevant provisions of these regulations in order to ensure that contractors, employers and, if necessary for the protection of workers, self-employed persons:

(a) apply the principles referred to in regulation 18 in a consistent manner;

(b) where required, follow the health and safety plan referred to in regulation 12;

(c) make and, or cause to be made, any adjustments required to the health and safety plan referred to in regulation 12 and the file referred to in regulation 13 to take account of the progress of the work and any changes which have occurred.

# Duties of PS for health and safety matters: project execution stage.

## Duties of the project supervisor for health and safety matters: Project Execution Stage

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(b) when estimating the period required for completing such work or work stages.

(2) The project supervisor for health and safety matters shall coordinate the implementation of the relevant provisions of these regulations in order to ensure that contractors, employers and, if necessary for the protection of workers, self-employed persons:

(a) apply the principles referred to in regulation 18 in a consistent manner;

(b) where required, follow the health and safety plan referred to in regulation 12;

(c) make and, or cause to be made, any adjustments required to the health and safety plan referred to in regulation 12 and the file referred to in regulation 13 to take account of the progress of the work and any changes which have occurred.

# Duties of PS for health and safety matters: project execution stage.

Management of  
health and, or  
safety at the  
construction site.

15. In order to preserve health and, or safety on the construction site, the project supervisor for health and safety matters shall:

(a) coordinate the implementation of the relevant provisions of these regulations or any other provisions under the Act, in order to ensure that employers offer the highest protection by applying the principles referred to in regulation 18 or any other regulation made under the Act in a consistent manner;

(b) coordinate the implementation of the relevant provisions of these regulations in order to ensure that

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employers and, if necessary for the protection of workers, self employed persons follow the health and safety plan referred to in regulation 12;



# Duties of PS for health and safety matters: project execution stage.

(c) organize cooperation between contractors, including successive contractors on the same site, coordination of their activities with a view to protecting workers and preventing accidents and occupational health hazards and reciprocal information, as provided for in regulation 7 of the General Provisions for Health and Safety at Work Places Regulations, ensuring that self-employed persons are brought into this process where necessary;

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(d) take the steps necessary to ensure that only authorized persons are allowed onto the construction site;

(e) carry out as often as necessary a thorough inspection of the whole construction site and work practices to identify the measures being undertaken by the contractors, employers or any self-employed persons in identifying any potential hazards, and recommend the necessary preventive and protective measures in line with the general principles of prevention laid down in the Act, or any other regulations made under the Act:

Provided that the frequency of inspections shall be commensurate with the size of the construction site, the nature and extent of the hazards and risks at the construction site, and the type of works being carried out;

# Duties of PS for health and safety matters: project execution stage.

(f) issue and submit without undue delay to the relevant duty holders involved in the construction project, an inspection report in writing highlighting the measures being undertaken by the contractors, employers or any self-employed persons in identifying any potential hazards and risks and any unaddressed hazards and risks noted during the inspection carried out under these regulations and the required preventive and corrective measures to be taken by the relevant duty holders to address the identified hazards and risks and, or manage health and safety:

Provided that for the purpose of this paragraph "duty holders" shall not include "workers";

(g) give directions to duty holders and other relevant persons, in the interest of occupational health and, or safety;

(h) coordinate, monitor the implementation of and ensure the execution of the required preventive and corrective measures indicated in the inspection report prepared under

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these regulations, and any other measures required to render the site safe;

# Duties of PS for health and safety matters: project execution stage.

(i) coordinate, monitor the implementation of and ensure the execution of, the preventive and protective measures indicated in the health and safety plan prepared in terms of these regulations;

(j) carry out as often as necessary, follow-up inspections to ensure the implementation of the preventive and protective measures indicated in the inspection report and any directions made and given out under these regulations;

(k) give a written copy of the health and safety plan prepared in terms of these regulations, or a relevant extract thereof to all duty holders in terms of these regulations:

Provided that for the purpose of this paragraph "duty holders" shall not include "workers";

(l) consult and liaise on matters relating to occupational health and, or safety with respect to the construction project, with any designated persons and, or external services appointed by the employer in terms of regulation 9 of the General Provisions for Health and Safety at Work Places Regulations.

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# Powers and other duties of PS

## Powers and other duties of project supervisor for health and safety matters

Powers and other duties of project supervisor for health and safety matters.

16. In order to preserve health and, or safety on the construction site, the project supervisor for health and safety matters shall have the following powers:

(a) to inspect at any time of day or night the construction site to which he has been appointed to act as project supervisor for health and safety matters to fulfil the duties made under these regulations;

(b) to make such examination, interview and investigation as may in any circumstances be necessary in the interest of occupational health and, or safety;

(c) to take such measurements, photographs, video recording and, or any other recordings, including the use of monitoring equipment and atmospheric sampling, as the project supervisor for health and safety matters considers necessary for the purpose of fulfilling the duties under these regulations:

# Powers and other duties of PS

Provided that the handling and storage of personal data resulting from the said activities shall conform to the provisions of the Data Protection Act.

Cap. 586.

(d) to order that work or any activity be halted or to give such orders in relation to the carrying out of duties by any employee or self-employed persons on the site if there is a reasonable concern that the carrying out of work and, or activity could likely expose any person present on the construction site to a serious risk to their health and, or safety, emanating from an immediate or imminent exposure to a hazard:

Provided that the project supervisor for health and safety matters shall, without undue delay, notify in writing the duty holders involved in the construction project. The project supervisor for health and safety matters shall inform the Authority of any order made in accordance with this paragraph in such instances where such orders are not observed or complied with:

Provided further that for the purpose of this paragraph "duty holders" shall not include "workers";

(e) to require any article, substance, material, equipment, machinery, installation, structure, apparatus, tool and any other thing at the construction site that he may reasonably consider to be a risk to occupational health and, or safety to be dismantled and, or removed from the site and, or rectified and, or subjected to any process or test at the expense of the relevant duty holder;

# Powers and other duties of PS

(f) (i) to receive and register any report made by any person in relation to any matter which may give rise to suspicion of a breach of these regulations, or the Act or any regulations made thereunder:

The reporting function of the project supervisor for health and safety matters.

Provided that if a worker or any person, whether acting on his own behalf or on behalf of a worker, report a matter in terms of this regulation to the project supervisor for health and safety matters, then the project supervisor for health and safety matters shall prepare his written report in relation to such a matter within fifteen (15) days from the date on which such matter was reported to him in writing, and after having heard the client, including any client representative engaged by the client, any worker or person making a report in terms of this sub-paragraph. Once completed, such report shall be provided to the client and the worker or any person, whether acting on his own behalf or on behalf of a worker, accordingly. Where deemed necessary by the project supervisor for health and safety matters, the report shall indicate such measures which

# Powers and other duties of PS

shall need to be implemented by the client in order to address any particular matter taking into account the obligations of the client under the Act. Failure to present such a report shall be considered to be an offence under the Act;

(ii) to register any matter reported in terms of this regulation and the matter shall be considered to be conclusively determined provided that any measure specified by the project supervisor for health and safety matters in terms of these regulations is implemented accordingly within stipulated time-frames:

Provided that if the measures specified by the project supervisor for health and safety matters not be implemented or adhered to in terms of these regulations, the project supervisor for health and safety matters shall inform the Authority accordingly and the client shall be guilty of an offence under the Act in such instances:

Provided further that in the case that the project supervisor for health and safety matters has failed to make the correct recommendations to the client in accordance with the Act and the regulations made thereunder, then in such instances the project supervisor for health and safety matters shall be guilty of an offence under the Act.

Provided further that, except where required by law or deemed necessary, the project supervisor for health and safety matters shall ensure the anonymity of any person who reports any matter which may give rise to suspicion of a breach of these regulations, or the Act or any regulations made thereunder. The identity of the said person may be disclosed only with their explicit written consent.

# PS: non-liability

## Project supervisor for health and safety matters: non-liability

Project supervisor  
for health and  
safety matters:  
non-liability.

17. Civil action or other proceedings for damages shall not lie or be instituted by a client, contractor, employer, self-employed person, or worker involved in the construction project against the project supervisor for health and safety matters for:

(a) an act done in pursuance of these regulations unless the project supervisor for health and safety matters acted in a negligent manner or otherwise did not observe his duties as provided under the Act and these regulations;

(b) an act done or omitted to be done in the

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performance of his functions where it is sufficiently proven that the client or the contractor, the employer or the self-employed person failed to comply with the necessary measures as instructed by the project supervisor for health and safety matters.

# PS: non-liability

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performance of his functions where it is sufficiently proven that the client or the contractor, the employer or the self-employed person failed to comply with the necessary measures as instructed by the project supervisor for health and safety matters.

# Duties of Contractors

Duties of contractors.

## Duties of contractors

19. In order to preserve health and safety on the construction site, contractors shall:

(a) co-operate with the project supervisor for health and safety matters in the interest of occupational health and, or safety;

(b) co-operate with the project supervisor for health and safety matters to enable compliance with the duties pertaining to such project supervisor for health and safety matters under these regulations;

(c) promptly provide to the project supervisor for health and safety matters any necessary information which may be requested in the interest of occupational health and, or safety;

(d) comply without undue delay with the directions given by the project supervisor for health and safety matters under these regulations, which directions if carried out, would ensure occupational health and, or safety;

(e) comply without undue delay, with the directions given by the designated person and, or external services appointed in terms of regulation 9 of the General Provisions for Health and Safety at Work Places Regulations;

(f) comply with the relevant preventive and protective measures listed in the health and safety plan which measures if implemented, would ensure a safe and, or healthy place of work, and that are applicable to the contractor or to the contractor's workers;

(g) bring to the attention of the contractor's workers any rules applicable to them contained in the health and safety plan;

(h) not commence and, or not progress any work related to the project before a project supervisor for health and safety matters has been appointed by the client in terms of regulation 3;

(i) notwithstanding anything stated in the Act or any regulations thereof, carry out or ensure that a written, suitable, sufficient and systematic risk assessment of all the occupational health and safety hazards which may be present at the construction site and the resultant risks involved concerning all aspects of the work activity in the construction site, is

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# Duties of Contractors

carried out for each project being undertaken, and that all workers are informed of its contents in order to be aware of any hazards on a construction. Such assessments shall consider the risks to the health and safety of workers and of self-employed persons to which they are exposed whilst at work in a construction site, as well as the risks to the health and safety of other persons, including visitors to the construction site which risks arise out of, or in connection with the work being carried out, or by the conduct of the undertaking:

Provided that when carrying out such assessments, a contractor shall also take into consideration changes to the work activities being carried out and to the workplace, and shall take appropriate action;

(ii) the contractors shall keep in their possession written or retrievable electronic copies of such assessments and shall ensure that they are updated regularly;

(iii) the contractors shall decide on the protective measures appropriate to the nature of the work being carried out which are required to be taken following these assessments and, if necessary, the protective equipment to be used;

(iv) the assessments referred to in this regulation shall be reviewed whenever there is any major change in working conditions, or whenever the contractors have reason to suspect that they are no longer valid;

(j) comply without undue delay, with the preventive and protective measures indicated by the risk assessment carried out under these regulations and, or any other relevant regulations made under the Act;

(k) ensure that training, information and instructions provided in terms of regulation 14 of the General Provisions for Health and Safety at Work Places Regulations and, or any other relevant regulations made under the Act, are given to workers in a comprehensible manner;

(l) in particular when implementing regulation 18, take measures that are in line with the minimum requirements set out in Schedule IV;

(m) comply in particular with the following, *mutatis mutandis*:

S.L. 646.11.

(i) the requirements of regulations 7 and 15(2) of the General Provisions for Health and Safety at Work Places Regulations and regulation 8 and Schedule IV;

S.L. 646.13.

(ii) the Minimum Requirements for the Use of Personal Protective Equipment at Work Regulations;

S.L. 646.24.

(iii) the Work Equipment (Minimum Safety and Health Requirements) Regulations.

S.L. 646.11.

# Risk Assessment

- Risk assessment is the process of evaluating risks to workers' safety and health from workplace hazards. It is a systematic examination of all aspects of work that considers:
- What could cause injury or harm;
- whether the hazards could be eliminated and, if not;
- What preventive or protective measures are, or should be, in place to control the risks.



# Hierarchy of Fall Protection (Q10)

A ranked or graded series of fall protection solutions ranging from the best solution to the worst. In order of best to worst, these solutions are: (Q10)

## Hazard Elimination

- The preferred solution to all fall hazards is elimination.
- Can the work be done at ground level

## Passive Fall Protection:

- Physical barriers like guardrails around unprotected edges and covers over holes are examples of passive fall protection

## Fall Restraint:

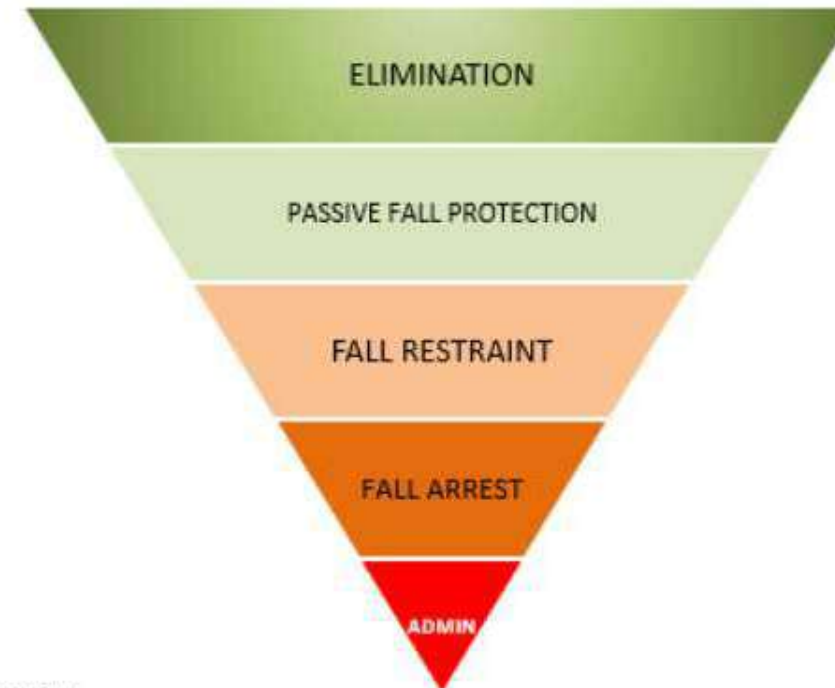
- Fall restraint systems are erected in such a manner that a fall cannot occur.
- Fall restraint systems use PPE to restrict the worker's range of movement so they cannot physically travel to the fall hazard.

## Fall Arrest:

- Fall arrest systems are erected in such a manner that a fall can occur but the fall is arrested within acceptable force and clearance margins

## Administrative Controls:

- Administrative controls are work practices or procedures that increase a worker's awareness of a fall hazard



# Taking as an example – Working at Heights

## Elimination

Example: Design the construction project to avoid work at heights altogether. For instance, if a roof needs to be installed, consider using modular systems that can be assembled on the ground and then lifted into place.

## Substitution

Example: Instead of using traditional ladders for accessing high areas, use aerial lifts or scaffolding systems that provide safer access and working platforms.



## Engineering Controls

Example: Install guardrails around the edges of roofs and elevated platforms. Use safety nets or fall arrest systems to catch workers if they fall.

## Administrative Controls

Example: Implement safety policies that require regular safety briefings and training sessions focused on fall protection. Establish a work permit system for jobs that involve working at heights, ensuring that only trained personnel can perform these tasks



## **Personal Protective Equipment (PPE)**

**Example: Provide workers with appropriate PPE, such as harnesses, helmets, and non-slip footwear. Ensure that workers are trained on how to properly use and maintain their PPE.**



# Any Questions?



**Undergraduate Diploma in  
Occupational Health and Safety**