

## Safety Standards



### Know Your Risks

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Zero harm starts with identifying potential risks:

**Asphyxiation:** Interruption of breathing through lack of oxygen; suffocation.

**Collapse or Sinking:** Struck or crushed as a result of a structure or object collapsing, falling down or caving in.

**Collision – Equipment:** Vehicle or mobile equipment collision with another vehicle, mobile or stationary object.

**Collision of Vessel:** When two or more vessels that are in motion run into each other or strike a fixed object such as piers, wharves or jetties.

**Crushed Between Objects:** Crushed by or between objects, other than falling objects.

**Drowning:** Inhalation of a liquid or solid resulting in interruption of breathing.

**Entanglement:** Caught, trapped or entangled between 2 or more moving objects.

**Exposure to CBRN:** Exposure to a chemical, biological, radioactive or nuclear material either by:

- 1) Ingestion
- 2) Inhalation
- 3) Absorption
- 4) Injection

**Exposure to Extreme Environmental Condition:** People working in uncomfortably hot, cold or extreme environmental condition, e.g. Heat Stress and Cold Stress.

**Fall or Drop of Person:** Person falling or dropping from a higher to lower level.

**Struck by Equipment:** Pedestrian struck by vehicle or mobile equipment.

**Struck by Falling/Dropped Objects:** Struck or crushed by an object coming from above.

**Uncontrolled Release of Energy:** Uncontrolled release of energy, including: electrical, kinetic, hydraulic, pneumatic, fire, explosion.

**Acts of Violence:** Intentional use of physical force or power, threatened or actual, against oneself, another person, or against a group or community.



## OS1 Pedestrian Safety

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1. Be aware of your surroundings.
2. Wear high visibility clothing where required.
3. Be aware of any “No Walk Zones” at the site.
4. Use mobile communication devices only in predetermined safe zones.
5. When working around mobile equipment:
  - i) Identify and use safe zones.
  - ii) Make sure the driver can see you.



## OS2 Mobile Equipment

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1. Ensure that mobile equipment and the safety features are in good working order before use.
2. Only use equipment for its intended purpose and if you are trained and authorized to use it.
3. Look out for pedestrians.

4. Adhere to speed limits.
5. Obey all signs and traffic plans.
6. Wear seat belts.
7. Secure loads.
8. Never use mobile phones whilst driving.
9. Don't leave unattended equipment idling.
10. "No seat, no ride".



## OS3 Handling Loads

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1. Position yourself safely – never walk or stand under a suspended load and never stand in a position where you could be pinned by a swinging load.
2. Make sure all people in the work area are positioned safely before commencing the lift.
3. Always handle loads safely:
  - i) Check lifting gear is in good working order and within the safe working limit (SWL).
  - ii) Make sure the load is slung/secured correctly.
  - ii) Make sure there are no loose items on the load.
  - iii) Have only one person directing operations at any time.
4. When in doubt do not lift.



## OS4 Working At Heights

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1. Know which jobs require fall protection and fall prevention controls:
  - i) Work cages for container top working.
  - ii) Elevated work platforms and scaffolding.

- iii) Harnesses and other fall protection systems.
- iv) Ladders.
- 2. Check all your equipment is OK and correctly fitted before you start working at height.
- 3. Use the equipment correctly – If in doubt ask your supervisor.



### **OS5 Vessel Safety**

1. Ensure that pre-operational safety inspections are completed prior to commencing work:
  - i) Ensure safe access to and from ship and workplaces.
  - ii) Ensure lifting equipment is fit for purpose and safe for use.
2. Fall protection equipment is to be used to work at height.
3. Always position yourself safely:
  - i) Never work under suspended load.
  - ii) Never work near an open hatch or unprotected edge and know the type of cargo being worked.
4. Beware of changing work environments and consider the following factors:
  - i) Design of vessel
  - ii) Types of guarding
  - iii) Weather conditions
  - iv) Lighting



### **OS6 Engineering**

1. Always use equipment and tools that are suitable for the task and safe for use.
2. Equipment should be certified before use.
3. Only perform tasks that you are authorized and skilled to do.
4. Follow safe access/ egress protocols to all areas.
5. Always notify operators if there is a need to work in operational areas. When in doubt, ask your supervisor.
6. Permit to work protocols must always be followed.
7. Always use fall protection equipment when working at heights.



## **OS7 Isolation**

1. Identify and recognize power sources.
2. Never work on live power sources, such as:
  - i) Electrical
  - ii) Hydraulic
  - iii) Pneumatic
  - iv) Other stored energy
3. Ensure staff are competent in isolation procedures:
  - i) Know which tasks require isolation.
  - ii) Only authorized personnel is to work on power sources.
4. Ensure all isolation procedures are implemented and adhered to.