



## SAFE LIFTING OPERATIONS

- Lifting operations can only proceed if:
- » All lifting equipment has been certified and inspected by a competent person prior to use
  - » Safe working load of equipment is maintained and never exceeded
  - » A competent person has ensured the load is safely rigged and secure
  - » Exclusion zones and barriers are established
  - » Clear communications are established, including signaling
  - » No one is allowed under a load or between loads and fixed objects
  - » Taglines are used to control the load



## PERMIT TO WORK

- » Work with a valid permit when required
- » Obtain authorization to perform the work
- » Ensure that the permit is understood by all workers
- » Confirm that hazards are controlled and it is safe to start
- » Stop work and reassess environment if conditions change



## ENERGY ISOLATION

- Work can only proceed on systems with potential energy if:
- » A permit is in place
  - » All sources of energy are identified
  - » Verify that all energy sources have been isolated, locked, and tagged
  - » Test and verify there is zero residual or stored energy
  - » Isolated equipment has been confirmed safe to use prior to placing it back in service



## RESPIRATORY PROTECTION

- » Evaluate respiratory hazards
- » Select the applicable respirator type and filter for the hazards
- » All users must be medically evaluated and approved, fit tested, and trained
- » Ensure a proper seal and monitor the effectiveness of the respirator during use
- » Clean and maintain the respirator in good working condition



## HOT WORK

- Hot work can only proceed if:
- » A permit is in place
  - » Barriers are established and signage is in place
  - » All flammable material has been removed or isolated
  - » Firefighting equipment is easily available
  - » Gas testing and monitoring is in place in hazardous areas
  - » A Fire Watch is posted and remains 30 minutes after work is completed



## PERSONNEL TRANSFER

- Personnel transfers can only proceed if:
- » The environmental conditions and vessel motions are favorable
  - » Transfer and rescue equipment are in place and suitable for the operation
  - » A JSA has been completed and passengers have been briefed on the transfer method
  - » A Personnel Transfer Permit to Work has been completed
  - » The vessel master(s) has agreed to proceed with the transfer



## CONFINED SPACE ENTRY

- Confined space entry can only proceed if:
- » A valid entry permit is in place and communicated to all personnel working in and around confined space
  - » All sources of energy and movement are isolated
  - » Testing of atmosphere is done prior to entry and regularly as per the permit's requirements
  - » A rescue plan and standby person is always in place
  - » All equipment is approved for use in a confined space



## LINE OF FIRE

- Position yourself to avoid:
- moving objects
  - vehicles
  - pressure releases
  - dropped objects
- » Establish and obey barriers and exclusion zones
- » Take action to secure loose objects



## SLIPS, TRIPS, AND FALLS

- » Wear appropriate slip-resistant footwear
- » Keep all areas clean, well-lit, and free from clutter and obstructions
- » Keep floors and mats clean and in good condition; clean up spills immediately
- » Barricade openings and holes to prevent falls
- » Be aware of your surroundings when walking and look out for hazards
- » Use stair handrails and don't rush. Step or climb to another level – do not jump



## WORKING AT HEIGHTS

- Working at height can only proceed if:
- » A permit is in place
  - » A fixed or mobile platform with guard and handrails is used where practicable
  - » Barriers and/or securing of tools and equipment is in place to prevent dropped objects
  - » Rescue plan is in place
  - » Fall arrest systems include full body harness with double latch, self-locking hooks and shock absorber
  - » Limit free fall to 2 meters or less
  - » All equipment is fit for purpose, certified to relevant standard and inspected prior to use.