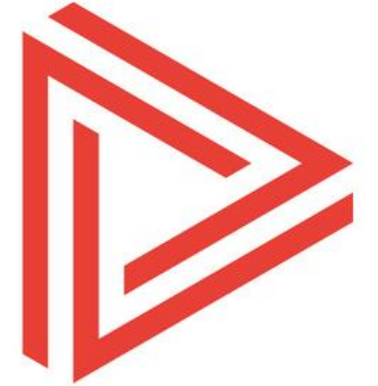


Safety Moment

Step
Change
in Safety



LIFE-SAVING RULES



Disclaimer: this safety moment is designed to prevent similar incidents occurring. All guidance herein is provided in good faith and Step Change in Safety nor its member companies accept responsibility for any inaccuracies or omissions contained within this safety moment.



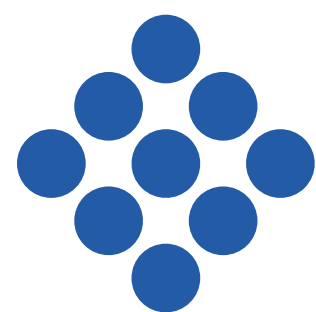
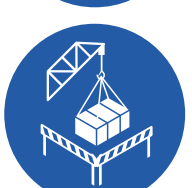
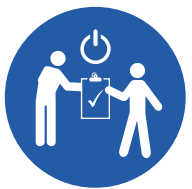
Hide or delete this slide

This pack contains an overview of each Life-Saving Rule with relevant incident examples.

Whilst not all of the incidents occurred within our industry, the learnings remain applicable.

You may wish to use this pack during safety meetings or break it up and use the individual sheets for your toolbox talks.





Since 2008, 376 lives could potentially have been saved by following these Life Saving Rules (LSRs).



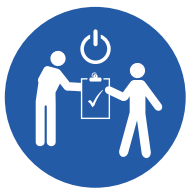
This pack contains scenarios the LSRs are relevant to.

Discuss them, learn them, follow them.



Life-Saving Rules



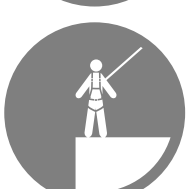
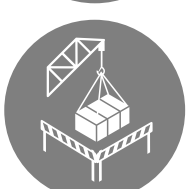
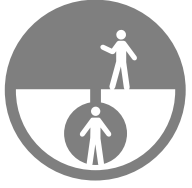


Bypassing Safety Controls

Obtain authorisation before overriding or disabling safety controls



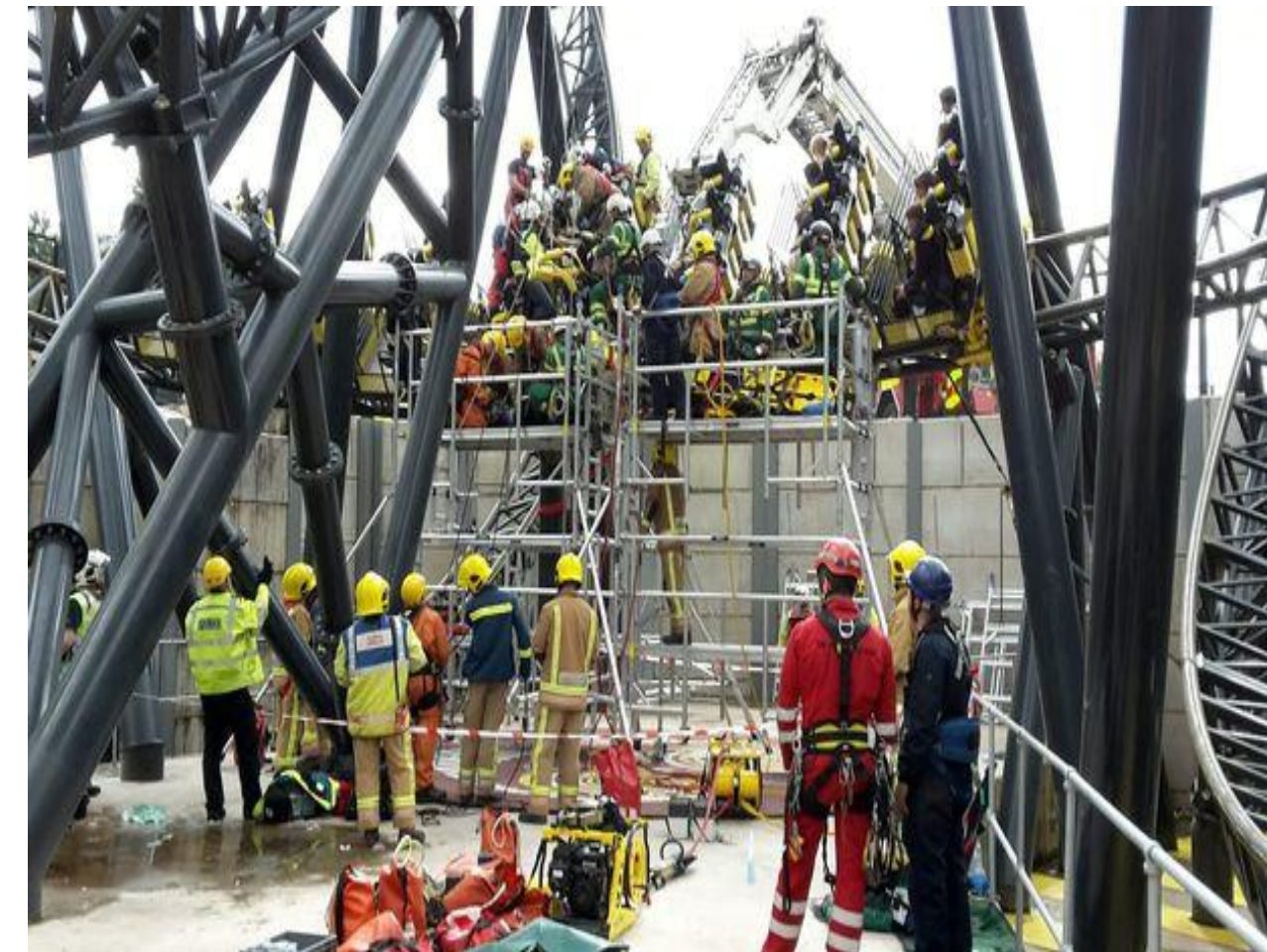
- I understand and use safety-critical equipment and procedures which apply to my task
- I obtain authorisation before:
 - disabling or overriding safety equipment
 - deviating from procedures
 - crossing a barrier



I obtain authorisation before disabling or overriding safety equipment.

Alton Towers

- Following a short period of inactivity due to high winds, the ride was restarted with passengers on board
- The control system stopped the ride because there was a stationary carriage on the track.
- The control system was overridden and the ride was allowed to continue.
- The carriage crashed into the stationary one, resulting in severe injuries to many.



What controls do you have in place for disabling or overriding safety equipment?

Discuss

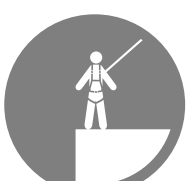
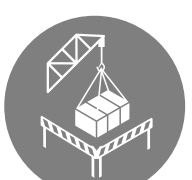


Life-Saving Rules

Safety Moment

Step Change in Safety





Confined Space

Obtain authorisation before entering a confined space



- I confirm energy sources are isolated
- I confirm the atmosphere has been tested and is monitored
- I check and use my breathing apparatus when required
- I confirm there is an attendant standing by
- I confirm a rescue plan is in place
- I obtain authorisation to enter

DISCUSS

I confirm the atmosphere has been tested and is monitored.

Vessel Solstrraum Engelsk

- A sample tube snagged within the cargo tank, it was left to retrieved at a later time.
- Following offloading of the hazardous cargo, cleaning of the tank commenced.
- Following the **partial** cleaning of the tanks, the pumpman entered the tank and collapsed.
- Despite efforts to save his life, he was later declared dead.

What do you do to ensure the atmosphere has been tested and monitored?

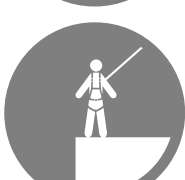
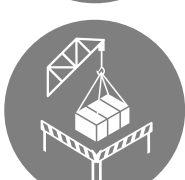
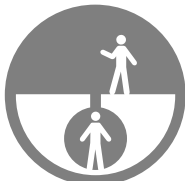
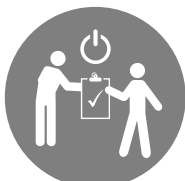


Life-Saving Rules

Safety Moment

Step Change in Safety





Driving

Follow safe driving rules



- I always wear a seatbelt
- I do not exceed the speed limit, and reduce my speed for road conditions
- I do not use phones or operate devices while driving
- I am fit, rested and fully alert while driving
- I follow journey management requirements

I am fit, rested and fully alert while driving.

Driving home?

- Fatigue can affect your ability to drive safely.
- Some research has found severe fatigue exerts a similar influence on the brain to drinking alcohol.

What do you do to ensure you are fit to drive home from your offshore rotation?

Discuss

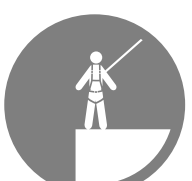
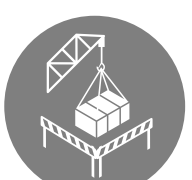
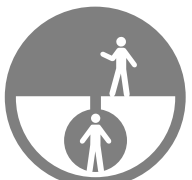
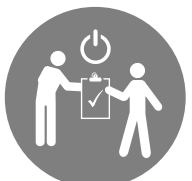


Life-Saving Rules

Safety Moment

Step Change in Safety





Energy Isolation

Verify isolation and zero energy before work begins



- I have identified all energy sources
- I confirm that hazardous energy sources have been isolated, locked, and tagged
- I have checked there is zero energy and tested for residual or stored energy

I confirm that hazardous energy sources have been isolated, locked, and tagged.

Giant Industries Refinery Explosions and Fire – New Mexico

Four workers were seriously injured when highly flammable liquid was released and ignited. The release occurred as maintenance workers were removing a malfunctioning pump. Unknown to personnel, an isolation valve was in the open position, connecting the pump process, leading to the release and subsequent explosions.

How do you ensure all hazardous energy sources have been isolated, locked and tagged?

Discuss

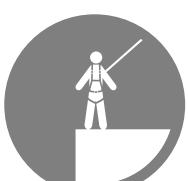
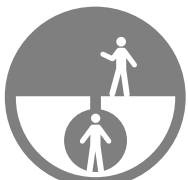
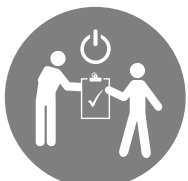


Life-Saving Rules

Safety Moment

Step Change in Safety





Hot Work

Control flammables and ignition sources



- I identify and control ignition sources
- Before starting any hot work:
 - I confirm flammable material has been removed or isolated
 - I obtain authorisation
- Before starting hot work in a hazardous area I confirm:
 - a gas test has been completed
 - gas will be monitored continually

Control flammables and ignition sources.

Improper gas testing performed

- Three contractors were using a cutting torch to make modifications to the internal floating roof of a storage tank.
- They were on top of the floating roof when an explosion occurred, fatally injuring all three.
- Gas testing was conducted 7.5 hrs prior to work commencing, there was no continuous gas monitoring to confirm the absence of a flammable atmosphere.

What do you do to ensure all flammables and ignition sources are controlled?

Discuss

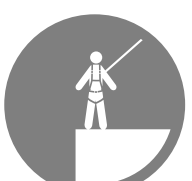
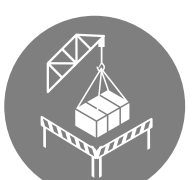
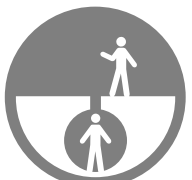
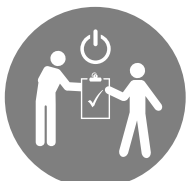


Life-Saving Rules

Safety Moment

**Step
Change
in Safety**





Line of Fire

Keep yourself and others out of the line of fire



- I position myself to avoid:
 - moving objects
 - vehicles
 - pressure releases
 - dropped objects
- I establish and obey barriers and exclusion zones
- I take action to secure loose objects and report potential dropped objects

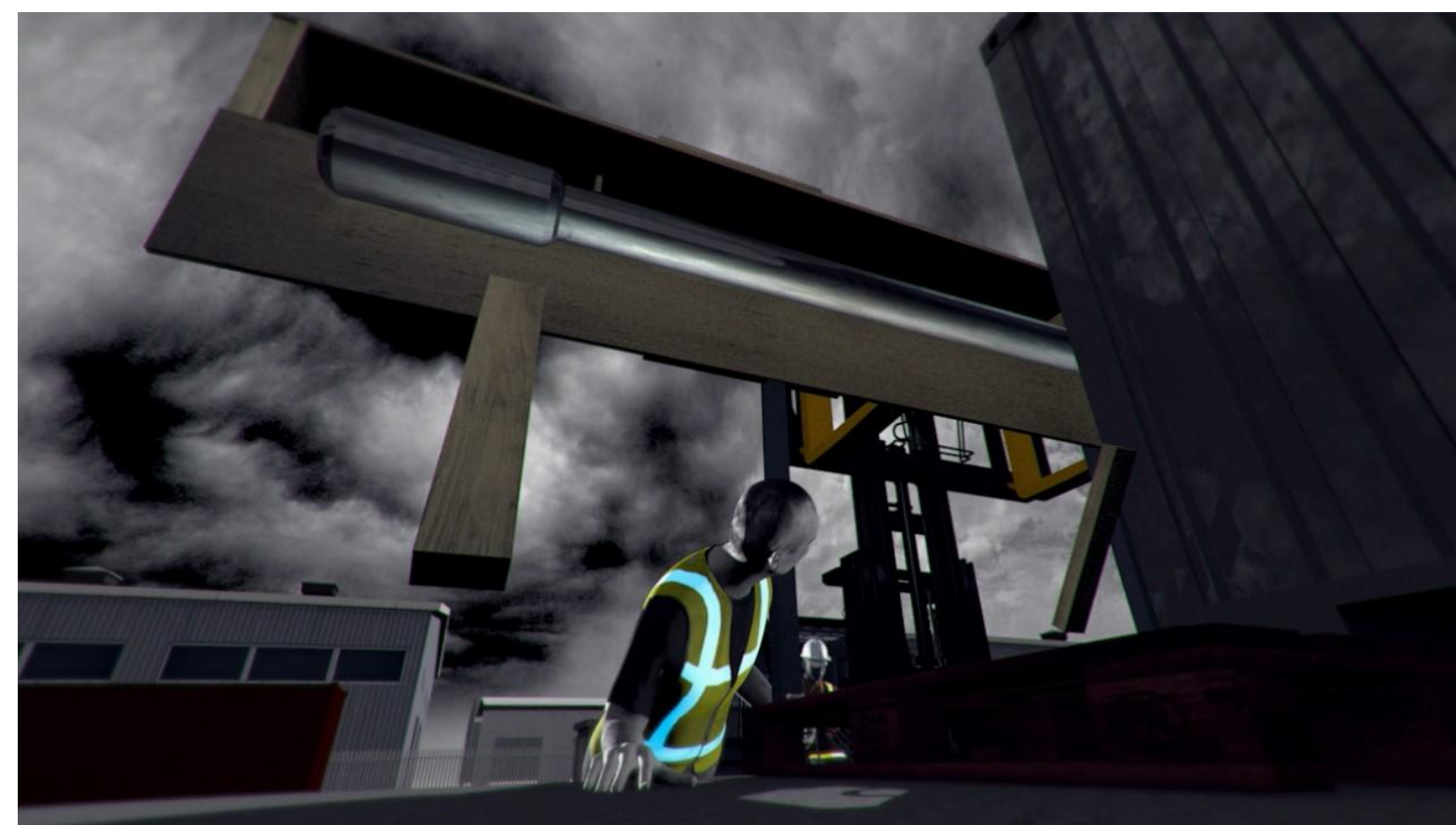
Discuss

What would you do if someone entered your worksite at a critical stage of the task?

I establish and obey barriers and exclusion zones.

Lifting & loading

- A lorry driver arrived at site with cargo
- The driver left the lorry side for the safe zone whilst the forklift driver offloaded the cargo.
- As the cargo is being offloaded, the driver re-entered the operational area.
- The load fell from the container whilst the driver was in the line of fire.
- The driver will never work again.

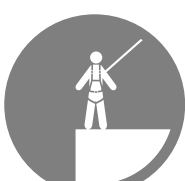
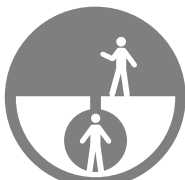
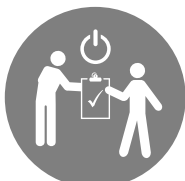


Life-Saving Rules

Safety Moment

Step
Change
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Safe Mechanical Lifting

Plan lifting operations and control the area

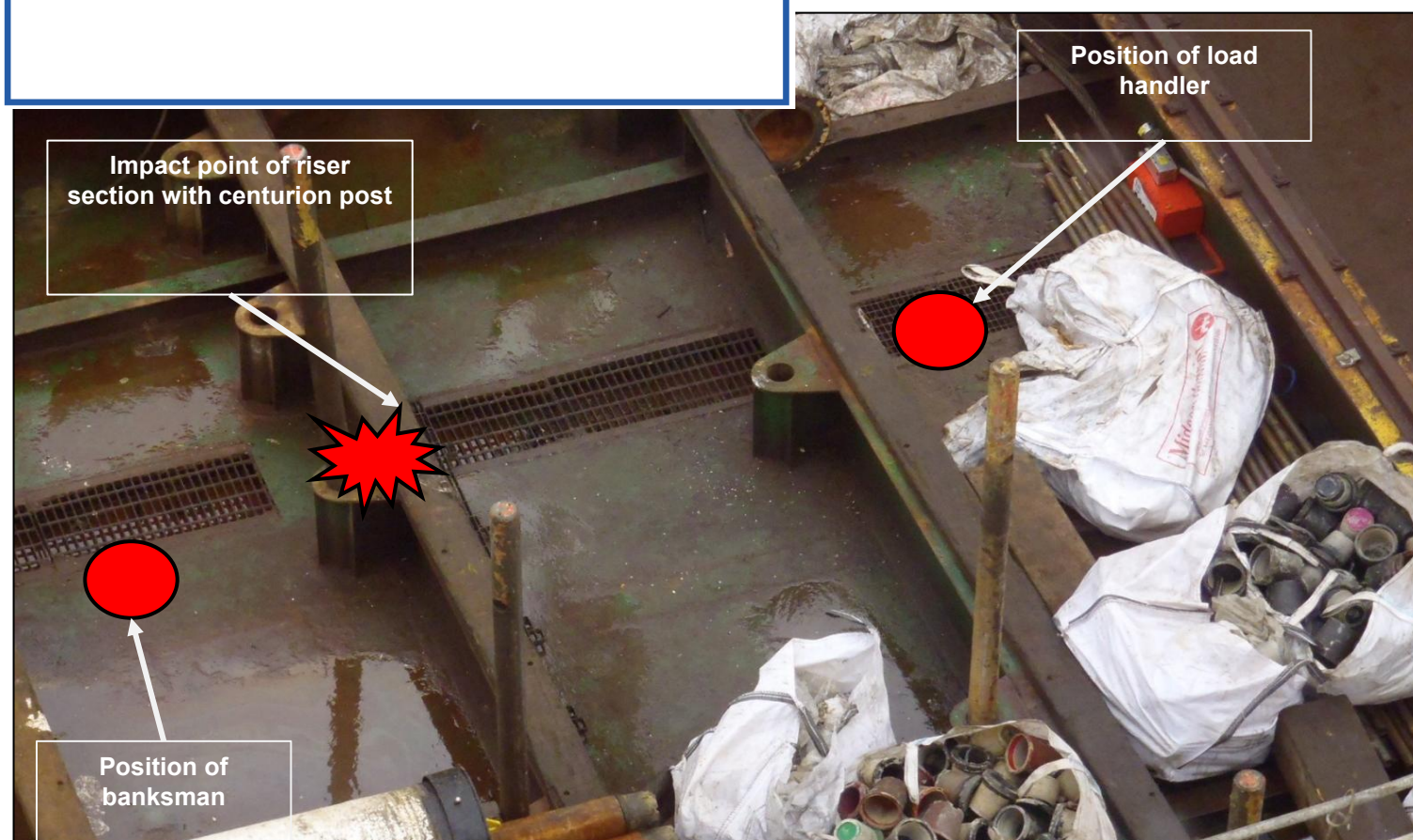


- I confirm that the equipment and load have been inspected and are fit for purpose
- I only operate equipment that I am qualified to use
- I establish and obey barriers and exclusion zones
- I never walk under a suspended load

I confirm that the equipment and load have been inspected and are fit for purpose

2.6t dropped object during lift

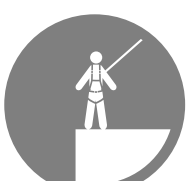
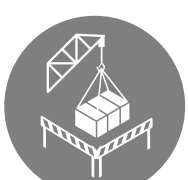
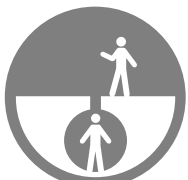
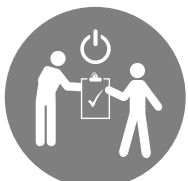
- The operation was to transfer a riser pump joint.
- A 3t soft sling in poor condition was connected directly to the pad eye of the lifting tool.
- The soft sling failed, and the load fell ~5 feet.



Discuss

How do you ensure the lift plan and equipment is fit for purpose?





Work Authorisation

Work with a valid permit when required



- I have confirmed if a permit is required
- I am authorised to perform the work
- I understand the permit
- I have confirmed that hazards are controlled and it is safe to start
- I stop and reassess if conditions change

Work with a valid permit when required.

Piper Alpha

The Cullen inquiry asked four questions of the permit to work system:

1. Was the procedure adequate?
2. Was the procedure complied with?
3. Was there adequate training?
4. Was the procedure monitored?

The answer to all four questions was no.



DISCUSS

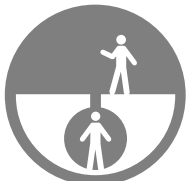
What role do you play to ensure the safety installation permit to work system?



Life-Saving Rules

Safety Moment

Step Change in Safety



Working at Height

Protect yourself against a fall when working at height

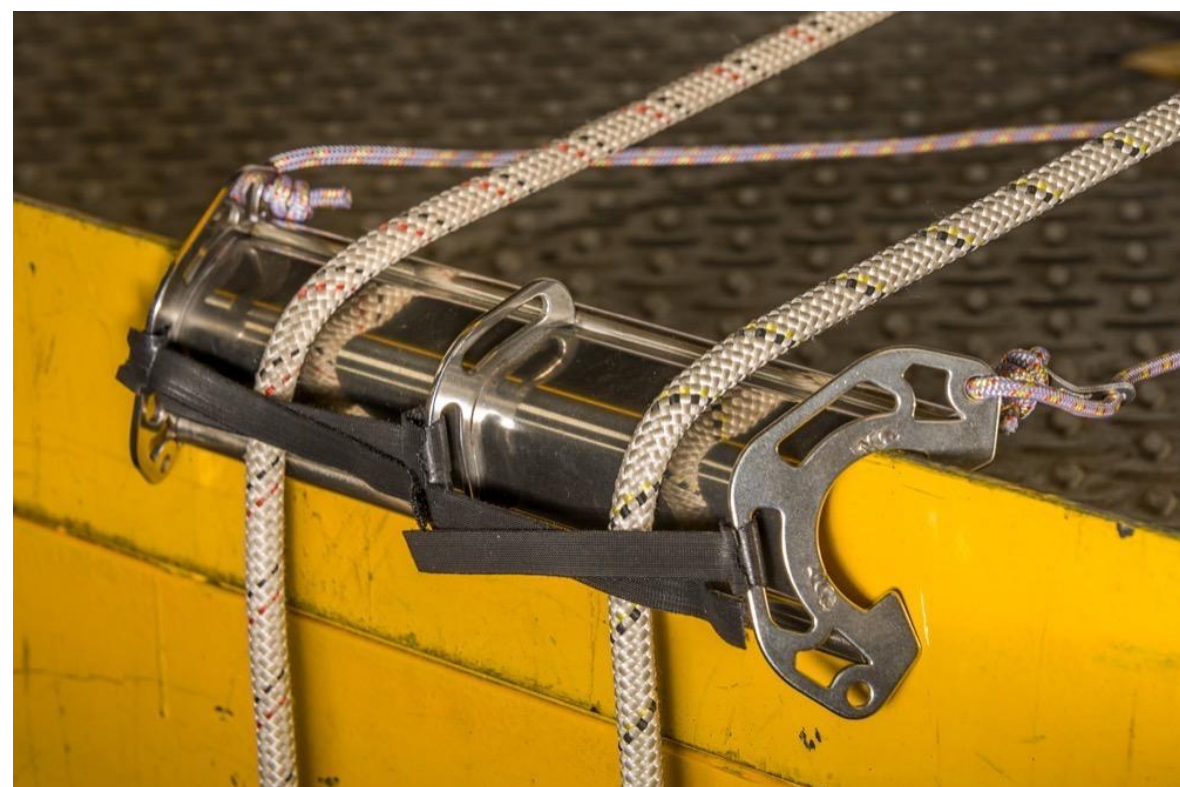


- I inspect my fall protection equipment before use
- I secure tools and work materials to prevent dropped objects
- I tie off 100% to approved anchor points while outside a protected area

I tie off 100% to approved anchor points while outside a protected area.

Edge protection

- After completing a potential dropped object sweep under deck, a rope access technician was ascending back up.
- On reaching the access hatch, both the main and safety line sheared on a sharp edge.
- The rope access technician fell to sea and was killed.
- The incident could have been prevented if the task was planned correctly with suitable safety measures in place.



How do you ensure that your fall protection anchor points are fit for purpose?

DISCUSS

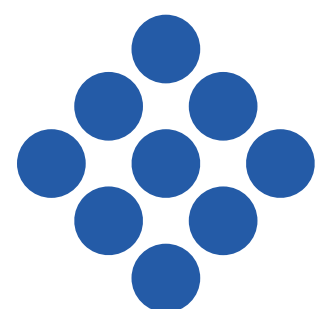


Life-Saving Rules

Safety Moment

Step Change in Safety





Since 2008, 376 lives could potentially have been saved by following these Life Saving Rules (LSRs).



Discuss them, learn them, follow them.



Life-Saving Rules



Verification of learnings shared and feedback

Safety Moment

To ensure this learning leads to meaningful improvement, follow the Plan Do Check Act process and provide your feedback to Step Change in Safety.

Plan

Review the learning and assess how it applies to your organisation, work area or tasks.
Identify any risks, gaps, or required changes to current procedures.



Do

Implement necessary actions - communicate changes, update procedures, and ensure everyone affected understands their responsibility.



Check

Monitor the effectiveness of the changes. Observe work practices, gather feedback, and verify that the learnings have been understood and applied correctly.



Act

Make any needed adjustments based on what you've learned.
Share lessons with your team, document improvements and feedback to Step Change in Safety.



Share your learnings and feedback. **Your proactive engagement helps create a safer workplace for everyone.**



Feedback Form

Link to [Resource Feedback Form](#)

