

# DROPs Lessons Learned: Cable Ladder Rungs from Derrick Cable Tray

## DROPs Description:

- Following a period of high winds 3 x suspected dropped objects were observed on the East Brae Skid Deck by the Deck Foreman.

## Finding:

- Upon inspection, the objects were identified as rungs from a cable ladder rack located within the drilling derrick. The heaviest rung weighed 0.45kg and fell from a height of 48.4m. Based on the calculated impact energy, this had the potential to cause a fatality.
- The pre-fabricated, cable racks with welded rungs were in place from original build (>30 years).
- Plastic cable fasteners were used instead of the required metal cable fasteners.
- Cables were not adequately secured to the ladder rack with the bundle spanning multiple rungs instead of the minimum of every second rung required for Low Voltage cable.

## Finding Conclusion:

- Inspection surveys failed to identify:
  - the fatigue caused to the welded ladder rungs by movement in the exposed location, or
  - the cable fasteners were the incorrect specification and used at incorrect spacing.

## Initial Actions:

- A full DROPS sweep was conducted by rope access personnel to ensure there were no other areas of loose cable rack within the derrick that could pose a dropped object risk.

Consequence			
Actual	None	Potential	Fatality

