

Marine Safety Flash



A18-01(10th Jan)

Electric Shock - FAC

Incident Overview

IP was evaluating the de-boarding of the scaffold in the Level 1, Module 1 hydration area when his arm brushed against an electrical cable & plug and he felt a minor electric shock. Due to recent heavy rain approximately 30 minutes earlier, the area was wet and the plug socket had partially filled with water. Local RCD tripped as per design at 30 mA.

Key Findings

Water observed to have partially filled male coupling.

Male and female couplings were not screwed together tightly.

Cable and couplings were fixed in vertical configuration and exposed to heavy rain.

Coupling ends were not of same brand and female coupling (unbranded / unidentifiable) did not appear to have adequate weather sealing and IP rating was not identifiable.

Recommendations

Site walk-down completed with Company and Contractor Inlecs and Electricians to identify equipment requiring further inspection.

Lessons Learnt

1. All electrical equipment to be fit for purpose (IP56 for external use) and compliant with manufacturer specifications.
2. All temporary electrical cabling and similar couplings to be inspected by competent and authorised personnel and where required;
3. Unbranded / unidentifiable equipment removed from service
4. Moved to an appropriate location, least exposed to weather run off
5. Replaced where identified as defective (according to manufacturer specifications)
6. Reconfigured to 'drip loop' configuration where practicable.

