

Improving Instrumented Protective Function (IPF) Performance Monitoring on NCS Assets

ORS

A practical approach to demonstrating reliability of IPFs in the operational phase, based on principles from IEC 61508/61511

4 Steps to Keeping Track of IPFs on Offshore Assets



TOOLS

Microsoft Excel or other spreadsheet tool for establishing a register of IPFs, components and reliability data.



Steps 3 and 4 should be repeated regularly (e.g. yearly), based on design changes.

BENEFITS



- Solid basis for demonstrating reliability of IPFs in the operational phase
- Transparent performance tracking
- Low effort required for updating reliability data based on actual performance over time

WHY IT MATTERS?

- Functional Safety of assets with many years in business are often not designed or followed-up in accordance with IEC 61508/61511
- The reliability of IPFs in the operational phase is crucial, to ensure the asset is operating within acceptable risk levels