

## **797 – Implementation of remote read/write access into electrical control systems**

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Abstract: Diagnosing and fixing network and communication issues on integrated electrical supervisory and control systems presents a challenge to offshore technicians due to the complexity of these systems. Often, frequent supplier support is required to both diagnose and fix issues as they occur. For offshore assets, this previously required supplier mobilisations at short notice or otherwise offline interrogation of downloaded system log data sent via email which incurs additional cost and delays in fixing the issue.

This paper will discuss the implementation of remote read and write access to the electrical control system, how digital security risks were mitigated, and how remote access to the network is managed under control of work. Specific scenarios where having the remote access available has resulted in rapid diagnosis and rectification has been included, highlighting reduced downtime and cost savings. Future options to extend this remote access to enable additional control and monitoring of the electrical network is also discussed.