

Functional Area 7 - Reliability, Maintainability, and Availability (RM&A)

PSI Contract N00167-02-D-0038 DO 16: The Naval Surface Warfare Center Carderock Division (NSWCCD) is upgrading the measurement capabilities of the South East Alaska Acoustic Measurement Facility (SEAFAC) to measure modern quiet submarines. This upgrade requires significant new data processing and storage facilities in the SEAFAC processing lab. All of the upgrade systems, whether in the water or in the lab, must meet reliability and availability specifications in order to allow the overall system to meet its availability requirement. As part of PSIs support to NSWCCD, we are evaluating the reliability of proposed data processing and storage hardware. These analyses include determining Mean-Time-Between-Failure (MTBF) and Mean-Time-To-Repair for the processing and storage equipment proposed for SEAFAC. PSI is also determining the Lowest-Replaceable-Unit (LRU) for this equipment so an ILS plan can be developed for support of these systems.

Additional Contracts:

ASTM Contract NRC-RES-03-064, Contact Christopher Murray, 301-415-6745