# SPAWAR S100 Testbed Report

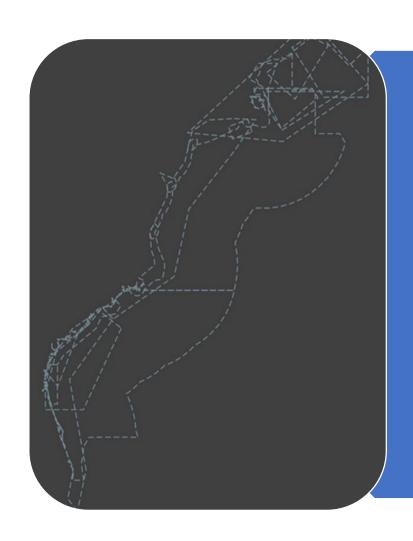
Presented by SPAWAR to TSM5
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# TESTBED INFORMATION

Phase 3 – Simple Viewer Phase 6 – Shore Based **ECDIS** Phase 9 - ECDIS

- Available on Basecamp
- Validate Part 10 encodings (8211, GML, HDF-5)
- Validate Part 9 portrayals (single dataset)
- Validate Part 4a-D Exchange sets
  - Dataset Delivery and Updates
  - Catalogue Updates
  - Encryption / Digital Signature
- Validate relationships between S-100 Parts
- Validate S-100 Part 9 portrayals (multiple datasets)
- Validate Interoperability
- Validate S-100
- Validate Derived Product Specifications
- Ongoing validation of Catalogue updates

# **ON-GOING TESTBED RESULTS**



## S-122: Presentation

 Portrayal of "Marine Protected Area" from prototype dataset

# ON-GOING TESTBED RESULTS (CONT)

#### S-100WG2 Action Item 41

- S-101 Feature Catalogue Edition 0.9.0 does not validate against schema
- Verified changes to S-101 Lua portrayal catalogue for RADAR\_OVERLAY

#### GML S-122 (From NIPWG4)

- Identified suggested changes to schemas and datasets
- Recommended refinements to define the concepts of associations
- Recommended clarifications for S-100 Part 10b
  - Using path and GML attributes to determine attribute type

#### GML S-123 (From NIPWG4)

- Inconsistencies noted with S-101:
  - Feature catalogues use opposing definitions for S100\_FC\_Role:code componentOf and consistsOf
  - Dataset encoding of S100\_FC\_ListedValue attributes label vs. code

#### HDF-5

No updates for this reporting period

# CONCLUSIONS AND RECOMMENDATIONS

## S-101

- Fix Feature Catalogue to match schema
- Add RADAR\_OVERLAY context parameter and update XSLT rules

### **GML**

- Refine Part 10b to better support generic processing
- Additional datasets are needed to support thorough testing
- Portrayal catalogues are needed
- Validation tools applicable to S-100 concepts are needed