S-102PT
Status Report

S-102PT Activities since S-100WG2

- **(MAY - AUG 2017)** – Focus Group Discussions:
  - Potential Conflicts between S-101 and S-102
  - Gridding Methodology
  - Coordinate Reference Systems Requirements
  - Tiling Approach
- **(SEP 2017)** – S-100 TSM5 – Virginia, USA
- **(FEB 2018)** – Test Bed Discussions (SPAWAR)
- **(09 APR 2018)** – S-102 Meeting Singapore

Version 2.0.0 IHO publication timeline

- **(APR 2018)** S-102PT Sessions in Singapore

- **(APR – JUN 2018)** Roll in changes from Singapore meeting

- **(JUN – SEP 2018)** Submit for Stake-holder review

- **(SEP 2018)** Reconcile stakeholder comments

- **(NOV/DEC 2018)** Publication of S-102 with S-100 v4.0.0

Version 2.0 Goal: Finalize spec. to support SPAWAR/KHOA S100 test bed ingest and interoperability testing.

S-102PT Meeting – Topics

Topics Discussed at 09 APR Meeting:

1. **S102 Metadata**
   a) *Data Management (New Edition/Replacement/Cancellation)*
   b) *Dataset Purpose*
   c) *Gridding Methodology*
   d) *Removal of Support File Metadata*
   e) *Implementing Digital Signature*
2. **S102 Grid Resolutions and File Size**
3. **S102 Portrayal**
   a) *Colour Schemes*
   b) *Display of text information*
4. **S100 Part 10c HDF Encoding Development**
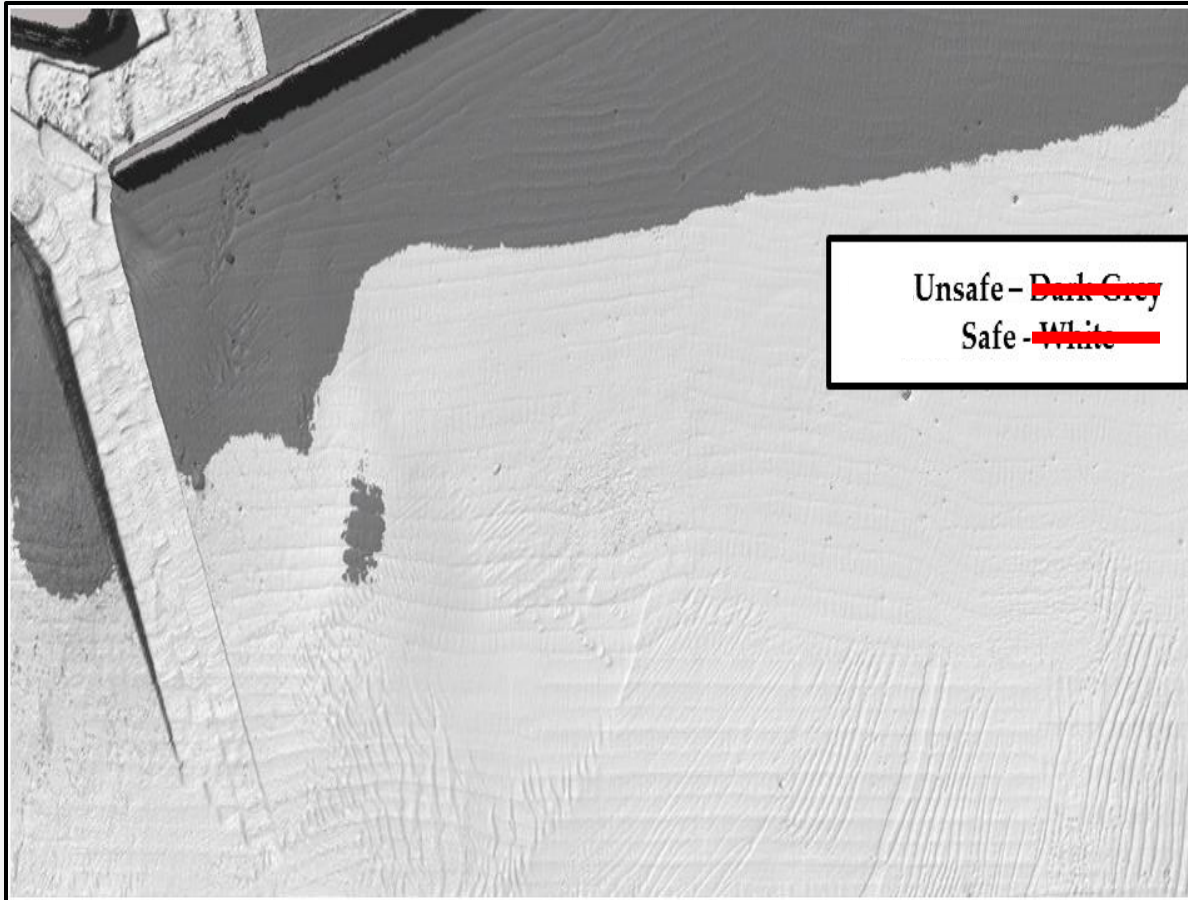   a) Separation from BAG Specification
5. **S102 Data Quality**
6. **S102 Coordinate Reference Systems Requirements**
7. **S102 Converter Update**

S-102 Portrayal

Delineation of **safe** and **unsafe** navigation zones.

Unsafe – ~~Dark Grey~~
Safe – ~~White~~

Safe: S-102 nodal depths deeper than vessel draft or selected safety contour

Unsafe: S-102 nodal depths shallower than vessel draft or selected safety contour

S-102PT Modification (09APR18): Adopt S101 Depth Zone Shade Colour Tokens

Goal: *Discuss post-v2.0.0 requirements.*

Phase 2 Topics:

8.   S102 CRS Requirements

   a) Un-projected vs. Projected

9.   S102 Tiling Schemes

10.   S102 Validation Checks

11.   Multi-Resolution Gridding

   a)   GDAL Compliance