

S-164 subWG meeting 4 (M4)



Agenda

- Objectives (Revised)
- Plan (when)
- Approach (meeting, organisation, volunteering)
- Datasets (where, how, who, revisions)
- Resources (and GitHub)
- Issues (the big ones, how we will fix them)
- AOB

Please shout/jump in, this is supposed to be collaborative 😊

Agenda

Introductions and Objectives, S-164 and S-98
Previous work, S-164 and S-98
Infrastructure Resources, Github repositories
Dataset and Exchange set development
Existing issues blocking development
Proposal(s)
1) Test of applying accuracy information for alerts and indications
Plan and Timeline
Frequency and Attendance at meetings
Any Other Business
S-100 Resource webpage

SubWG Objectives

- Ancient History
 - S-164 and S-98 are published at v1.0.0.
 - There's a lot of work to do to get them to "operational"
 - They require support from a broad group of stakeholders and feedback from our "users", ECDIS OEMs, data producers, aggregators, technology providers, users.
- Development of IHO S-164
 - Implementation of test datasets
 - Refinements to the existing manual
 - Resolution of issues blocking adoption of S-100 for ECDIS.
 - Ensuring clarification of other IHO standards where necessary.
- Development of IHO S-98
 - Review and update
 - Likely to focus on ECDIS and Annex C
- Support to implementation community
 - OEMs
 - Landing page (IHO)
 - Others
- Meet timescales set out by HSSC (+IMO)

The collage shows three IHO publications: 'IHO Test Data Sets in ECDIS' (Edition 1.0.0 - 14-04-2023), 'Harmonised User Experience for ECDIS and INS' (Draft Edition 1.0.0 - XXXX 2022), and 'IHO S-64 FOR ECDIS' (Edition 3.0.0 - 2017). Below these is a screenshot of a file browser showing a table of files:

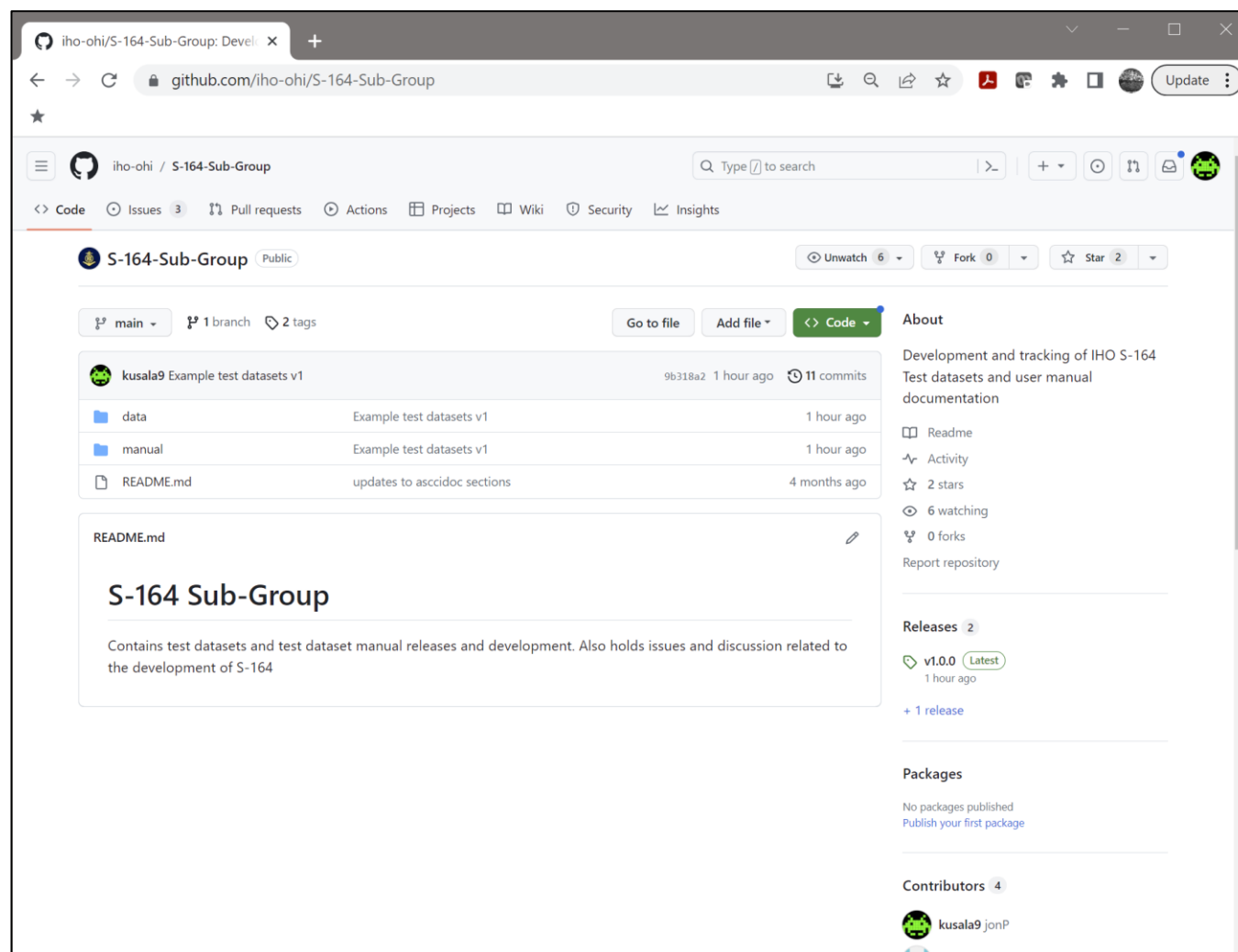
Name	Date modified	Type
S-64_e3.0.2_ENC_Encrypted_TDS	25/08/2020 16:44	File folder
S-64_e3.0.2_ENC_Unencrypted_TDS	29/06/2020 10:33	File folder
S-64_e3.0.2_RNC_TDS	29/06/2020 10:33	File folder

Below the table, there are links for downloading the files:

- [Instruction Ma](#)
- [Unencrypted ENC Test Data Sets](#)
- [Encrypted ENC Test Data Sets](#)
- [RNC Test Data Sets](#)

Infrastructure / Resources

- S-164
 - GitHub
 - Issues, for S-164 issues, can link across repositories for issues which require changes in S-98. Labels also note scope, status, and impact
 - Releases for S-164, Manual and dataset bundles, periodically.
 - Holds documents, test spreadsheet, baseline exchange sets and demonstration data (+ catalogues etc)
- S-98
 - GitHub
 - Holds up to date releases (HSSC).
 - Issues for discussion (link to S-164 when related)
 - No releases?
- IHO
 - Landing Page for S-100 ECDIS development and testing
 - Part 15 Data Protection Scheme
 - Group homepage
 - GitHub hosting



Plan

- Current plan is to get operational versions to HSSC 2024 (September)
 - Approval S-100WG (July / August 2024)
- This means most substantial edits and revisions should be complete by S100WG November 2023 (anything requiring agreement from the full WG), ready for further drafting and correction/clarifications and presentation to TSM 2023 (March?)
- So, most of the important activities/decisions will take place between now and end 2023
- There are many steps on the road to v2.0.0. We will publish interim releases when significant gaps are closed and when substantial amounts of test data are complete.
- There are approximately 100 exchange sets which are required by the TDS, in addition to the existing S-57 TDS (for DF testing)

MEETINGS! 😊

- Suggest every 3 weeks for a main meeting.
 - Breakout groups for important/big topics which report back to the main group (likely to be quite a few of these)
 - Clarifications/Corrections to main documents should be proposed through the main meeting
 - GitHub will hold:
 - Slides/documents and notes
 - Progress against plan.
 - All Issues
 - Releases of exchange sets and all data examples (un-curated)
 - Periodically prune the Issues as well...
- Meetings will review progress against plan of S-164 and S-98 and any other relevant issues (also feedback from other IHO/IMO workgroups and meetings)
- Or, Suggestions???



Creation of Exchange Sets and test datasets

- Approx 100 exchange sets to be written. Many are simple to specify but some require considerable preparation. There is some duplication of datasets within exchange sets.
- Automation of their creation is possible
- Content required
 - Datasets (of course)
 - Catalogues (FC,PC,IC)
 - Metadata (CATALOG.XML)
 - Signatures (All Part 15 etc...)
- Many datasets require specific combinations of features/attributes, or exhaustive content. Some require only “content”.
 - A first pass at dataset planning is in progress.
 - Also will need revision as FC/PC and IC contents mature between now and release



Blocking Issues (mine)

1. Content of CATALOG.XML (which fields required for ECDIS)
2. Service Elements (updates, catalogues/certificates, reissues, S-128 etc)
3. Signatures and Certificates formats and support
4. Access to ECDIS for test/screenshots (who?)
5. Version mapping between (all) catalogues and datasets
6. SENC distribution (should we, shouldn't we?)
7. S-421 inclusion (assumption, yes, needs v5.0.0)
8. Update Information (S-101)
9. Unofficial vs Official data – how to differentiate
10. S-128 issuing (roles, identifiers, behaviours)
11. Interoperability catalogue construction and behaviour (and testing)
12. NPUB UI “Complex Pick Reports”
13. MRNs (use, interoperability)
14. Dual Fuel (loading strategies)
15. S-102/S-104 WLA/USSC restrictions for gridded data
16. S-124 services
- 17. Others? (new test received from IEC)**

Any other business?