

Hydrographic Services and Standards Committee

Report of the ENC Standards Maintenance Working Group



International Hydrographic Organization
Organisation Hydrographique Internationale

HSSC-9, Ottawa, Canada 6 – 10 November 2017

Principal activities and achievements

- S-52 edition 4.0.2, published July 2017
- S-58 edition 6, published May 2017
- S-64 edition 3.0.2, published July 2017
- S-65 edition 2.1.0, published May 2017



Principal activities and achievements

Standards seeking MS approval;

- S-57 Use of the Object Catalogue, ed 4.1.0
 - Circular Letter 61/2017 07 November 2017
- S-66 Facts about Electronic Charts and Carriage Requirements, ed 1.1
 - Circular Letter 60/2017 07 November 2017



Outstanding issues

HSSC8/26 IHO Website revision

- Progress has now been made to improve data access on the ENC and ECDIS webpage of IHO website.
- There is still a considerable amount of work required to create a well designed site that is easy to access and enhances the reputation of the Organization
- Its is proposed that the IHO employ a web design agency to restructure the whole IHO website



Outstanding issues

HSSC8/27 High Density Contours in ENC

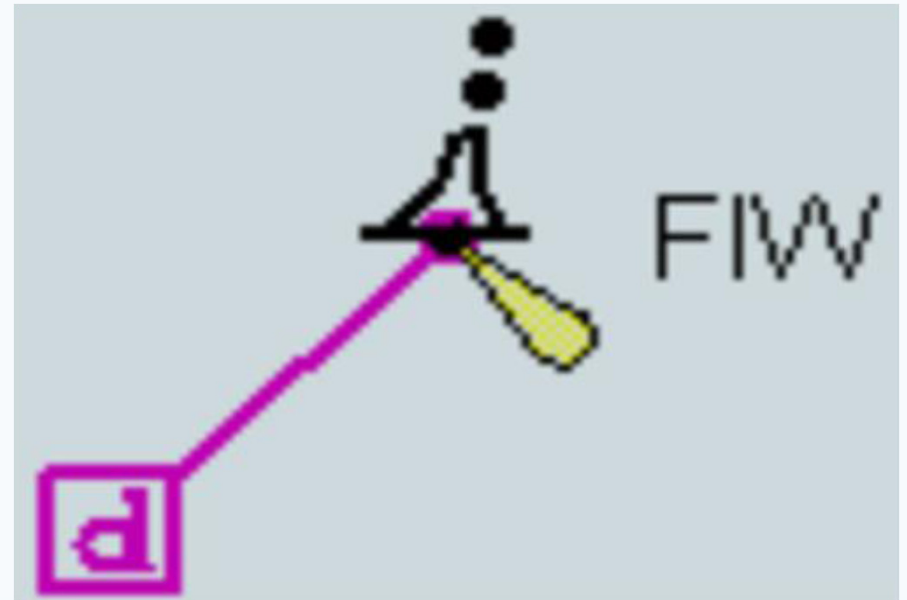
- ENCWG acknowledged the current S-57 ENC Product specification supports the encoding of dense bathymetry in ENC
- The group were split on the decision to expend additional resource to develop a new ABL standard that exclusively used S-57
- Industry are reluctant to upgrade ECDIS software again
- HSSC must decide if a new standard is really necessary when S-57 ENC product specification will support high density contours
- Mariners will not understand why HOs are not including this data in ENC if its available in as an additional layer



Outstanding issues

HSSC8/28 Equivalent T&P for ENC

- Draft text prepared (Annex B)
- Anticipated approval by ENCWG 3
- Submission to HSSC 10



Outstanding issues

S-58 ENC Validation Tests

- Edition 6 of S-58 mandates no ENC will be distributed if it contains Critical Errors from June 2018
- To support this transition a test dataset is required to certify validation tools
- The ENCWG drafted a tender document which was distributed to Industry
- Tenders have now been received by IHO and reviewed
- ENCWG are seeking financial approval to award the contract



Future work programme

Improvement of ENC display in ECDIS

- Review of ENC display issues using ECDIS upgraded to PL 4.0
- Investigate possible solutions to display issues using encoding
- Propose changes required to S-101



Items of Note

Port State Control Concentrated Inspection Campaign

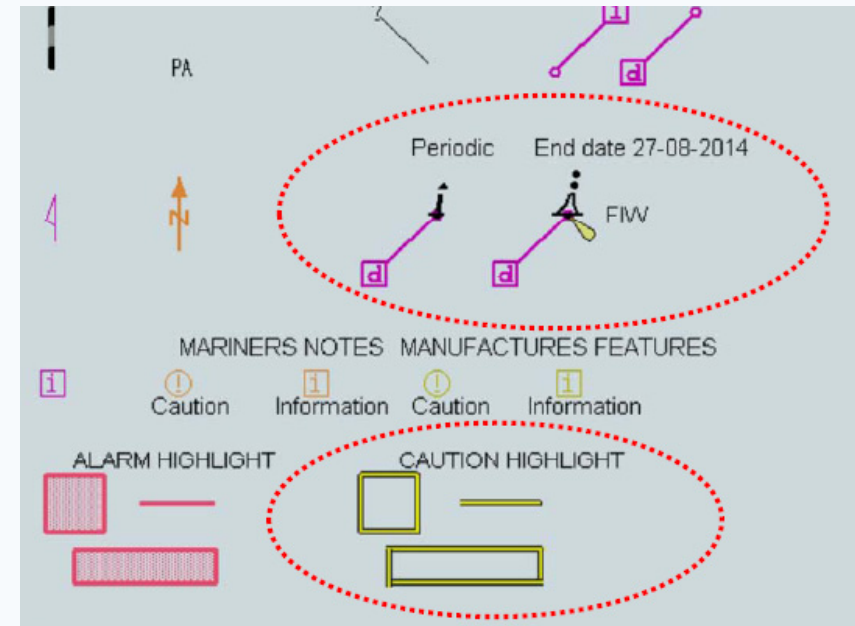
- Three month inspection period on Safety of Navigation commencing 1st Sept 17 to 30th Nov 17
- The inspection will focus on SOLAS Chapter V
- ENCWG produced an IHO Bulletin to support PSC Inspectors understanding changes made to IHO Standards



Items of Note

Retirement of IHO Standards

- 31st Aug 2017 the previous versions of S-52 and S-64 were retired
- IHO Check datasets removed from website
- Checking the IHO S-52 Presentation Library edition 4.0 in ECDIS



Items of Note





Guidelines on standardized modes of operating (S-Mode)

- Good progress made 2016/17
- Joint submission to NCSR 5 work co-ordinated by AMSA paper co-sponsored by industry CIRM, IEC and Nautical Institute
- The proposal uses a set of defined icons (hotkeys) for identifying a status, specific function or set of functions
- The current proposal does not extend to the control of chart display functions



Items of Note

- Control of Chart Functionality

| Explanation | Term | Abbreviations | Icon (Hot Key) |
|--|---------------|---------------|---|
| To select a date or date range for displaying all chart objects active at that date and time | Display date | DISP DATE |  |
| To toggle latitude/longitude grid | Grid | GRID |  |
| To perform manual update | Manual update | MAN UPD |  |
| To toggle radar overlay | Radar overlay | RADAR OVR |  |



Items of Note

CATZOC U

On 20 April 2016, the Dutch freighter Nova Cura ran aground in Mytilini Strait. Although ECDIS was not the cause of the grounding the Dutch Safety Board's recommendations are as follows:

The International Hydrographic Organization (IHO)

- 1. Impose conditions for the age and reliability of the data used to compile ENC's and stimulate the decrease of ENC's with CATZOC U.*

CL 50/2017 - Requirement to Provide Meaningful CATZOC Information in ENC
Issued 29th Aug 2017. Hydrographic Offices urged to take note and take action to improve data in ENC



Action requested of HSSC

- Endorse the ENCWG report
- Approve the funding request to create S-58 ENC Datasets to support validation tests
- Conclude S-57 ENC Product Specification supports high resolution bathymetry, no further action
- Investigate and consider the appointment of a web design agency

