



# Report to IALA secretariat

**Meeting S100 Working Group, Genoa 15-18. March 2017**

**Chair: Julia Powell NOAA, VChair: vacant**

Numerous input documents were received, some are not relevant to IALA, some are slightly relevant and some are received from IALA to the S100WG. Andre Bolles represented IALA regarding session services.

Review of issues and response:

- ✓ Doc 8.3, MRN scheme (input NIPWG), S100WG is positive in principle to the paper, unique identifiers are required, questions: who should own the register IALA or IHO, according to my understanding IHO prefers IALA, IHO will use the register but not run it, according to info from delegate the domain mrn is not allocated to IALA at the moment, but at ENAV20 MRN was agreed upon, a request to register the domain to be sent on behalf of IALA by DMA.
- ✓ Doc 10.7, IALA Guideline regarding testbed result, S100WG agreed to adopt IALA guideline, as for harmonization, sharing results and for saving development resources.
- ✓ Doc 10.11A, Request for unique identifiers (input NIPWG), correlates to IALA MRN request, the need for such systems are agreed in general, IALA and IHO need to sort out who is in charge of parts which intersects. S100WG is in favor of adopting the MRN when approved by IALA.
- ✓ Doc 11.7, ENC display issues (by SHOM), very interesting paper pinpointing issues with portrayal challenges within S-101 and S-57, a project team will be established, IALA is invited to provide input to this work
- ✓ Various papers regarding session services -> See minutes on discussion of that topic (Andre Bolles is giving a separate report on details of session services)

Several papers were related to S-102 data, or how to make use of such data. Various HO do have various policies regarding this. The users request better data, HO's have good data but lacking a proper way to distribute these data. The easy way is to use additional layers of info, but this raises liability issues with current ECDIS. Pilots (PPU) are a key user group for such data, example shown from Hamburg at ENCWG (doc 5.3).

Republic of Korea is very active within software work/testbeds for S100, they are currently developing a Feature Catalogue Builder. It was recommended for IALA to test S-201 regarding this. IALA should try to make benefit of this situation as there is a strong commitment from the Republic of Korea with work related to IALA.

Cyber security issues were raised at the meeting and is a growing concern that needs to be addressed.

## **Any other business:**

Sent UKHO (Jonathan Pritchard) a slideshow regarding directional arrows in TSS, he should forward the paper to appropriate persons, hopefully they will give us a response.

Generally there is a concern that S100 timeline will slide further. There is a common interpretation now that S-52 needs an update to modern technology standards/ability. As the S-57 standard is frozen



there is a risk of delaying further S100 if resources are used on S-57. But as SHOM commented, can we wait 15 years to fix S-52 items for vessels using S-57? Since S-57 is frozen the HO is limited in which features they can improve, some are easy and some are not dependent if it will require changes to S-57 or not.

For ease/speed of introduction of S-100 ECDIS, the new ECDIS's will need to have dual-fuel capability (S-57 + S-101), as S-101 charts will take time to issue for the various HO.

IHO will hold an assembly in April, which will lead to change in management as several directors are at election.

As S-101 (the new ENC chart) will hold all necessary information regarding items related to safe navigation, issues in S-201 do not need to include portrayal. S-201 will be a tool for interchanging information regarding AtoN's (comparable to List of Lights) electronically.

### **Meeting ENC Working Group, Genoa 20-22. March 2017**

**Chair: Tom Mellor UKHO, VChair: Miko Hovi FTA**

Many input documents was received, some not relevant to IALA, some direct relevant.

Review of issues and response:

- ✓ Doc 2.5, centered symbols, some AtoN's (as example) have not been shown with centered object, just ring indicating the light, work with encoding to fix this
- ✓ Doc 6.1, light description string, encoding guidance is updated so that ECDIS OEM is allowed to choose two options, with/without space after light character. A preferred option was not allowed indicated, since it will inflict problems with type approval for existing ECDIS.
- ✓ Doc 5.3, Intertanko, it is various procedures on T/P notices are included in ENC, this causes challenges for the mariners, IHO will revise guidance on T/P notices for it members. This might be applicable for AtoN's.
- ✓ Doc 5.8, S-66 code of good practices regarding ECDIS, shall be updated, must also consider IMO circ 1503 regarding ECDIS. IHO will also improve webpage regarding providing easy access for mariners and port state controllers in respect to checking installed ECDIS is according to latest standards.

### **Any other business:**

Sector lights, as a follow-up from last meeting, a revision of the encoding guidance was updated. This ensures that it is allowed to display light characters for sector lights also (as requested by Norwegian Navy), currently it is only for omni-directional lights. ECDIS OEM is allowed to adopt a feature which can enable/disable this function.

There is a change in TA for ECDIS, S-64 provides a large amount of picture examples to be confirmed. This lead to a pixel to pixel approval process, contra the previous TA process which had some leeway. The new approach is due to various ECDIS anomalies experienced during recent years. There is still numerous reports regarding failing port state controls due to various reason (training, chart licenses etc).



There will be a project team (by correspondence) regarding display issues on S-52. Several member states/OEM will join the group. I listed IALA also to be included, as a contributor of mariner input/info regarding AtoN.

Several member states provided input regarding additional bathy data (bENC etc). There was a mixed approach to this regard by the various HO, this will be further discussed at next HSSC meeting.

*An official report from the meetings will be received, this will take some time (1-2 months). All input documents are freely available at IHO website at the corresponding committee area.*

[http://iho.int/mtg\\_docs/com\\_wg/S-100WG/S-100WG2/S-100WG2\\_Docs.htm](http://iho.int/mtg_docs/com_wg/S-100WG/S-100WG2/S-100WG2_Docs.htm)

[http://iho.int/mtg\\_docs/com\\_wg/ENCWG/ENCWG2/ENCWG2Docs.htm](http://iho.int/mtg_docs/com_wg/ENCWG/ENCWG2/ENCWG2Docs.htm)

In general, there is a need to interface with IHO in general and especially during the transition phase from S-57 to S-100 to ensure a proper portrayal of AtoN's, MSP's and various other services provided by IALA members.

**Best regards**  
**Guttorm Tomren**