



S-131 Marine Harbour Infrastructure

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IINTRODUCTION

- Comments on the NIPWG9 S-131 package were received from:
 - Finland
 - France
 - Norway
 - NTOU
 - Port of Rotterdam/ITPCO (BvS)
- Approximately 33 comments were received:
 - Most (26) were editorial or general comments, 7 technical
 - Technical comments resulted in only minor changes
 - Technical ambiguities in the text, discrepancies in GI Registry content, encoding of association classes, etc.
- Additional issues identified during work on new draft: 29 issues
 - Issues involving clarifications, additional material in documents, or internal discrepancies have been addressed.
 - Issues involving model revisions have been noted and postponed to Edition 1.1.
- List of comments and resolutions thereof (as of Oct. 27) was circulated to all NIPWG members, IHO-Lab project team, Teledyne Caris and IIC, about October 28/31.



CURRENT STATUS - 1

- Feedback received from NIPWG has been applied as noted in the adjudicated comments form circulated Oct. 28/31
- Guidelines for portrayal have been added in the Product Specification.
- Annex D on validation checks has been added.
 - This Annex is informative, largely because "S-100 level validation checks" are still a work in progress within the S-100 WG (S-100WG7 8.1, 8.2).
 - Development of Annex D identified gaps concerning requirements for coverage by S-131 meta-features SoundingDatum & VerticalDatumOfData, and attribute multiplicity (mandate for complex attributes to have at least one sub-attribute populated). The gaps were filled by new clauses 12.15 & 12.16 in the PS.
- The DCEG has been enhanced with overview material for each major "theme" in S-131 and additional encoding instructions for various features and information types.
 - The feature tables portion of the DCEG is now organized by theme (though this word is not used in the document).



CURRENT STATUS - 2

- Portrayal catalogue and sample dataset(s) are in active development.
 - Planned completion for both by the end of this month (December).
 - No way at present to test the portrayal catalogue, because the current S-100 viewers do not ingest the combination of S-100 5.0 GML datasets and an S-100 5.0 Lua portrayal catalogue.
 - Distribute the PC with the rest of the 1.0.0 package, and refine it for Edition 1.0.x or 1.1.



IHO

DIGRESSION - PORTRAYAL

International Hydrographic Organization

- The S-131 portrayal catalogue uses Lua, like S-101
- Provisionally reuses existing symbology from S-101 portrayal wherever possible.
- Takes similar symbols from Inland ENC and adapts them where necessary again provisionally.
 - Adaptation is necessary because Inland ENC symbols use styles and colors different from ENCs.
 - Where point symbology is not already defined for S-101 ENC or S-401 Inland ENC, S-131 will generally have "letters in a circle" symbols.
- S-100 Portrayal in Parts 9, 9a, and 13 does not define portrayal for "arranged" text (tables, etc.).
 - "Normal" pick reports are a temporary but unsatisfactory workaround.
 - S-100 will need to address this issue for tidal stream panels in S-101 and for S-104 portrayal.

Terminal point features

Pilot boarding place Turning basin

Phys. Infrastructure (Gridiron, floating/dry docks)

Berth Position with bollard number















NEXT STEPS

- Finish portrayal catalogue and sample dataset for Edition 1.0.0 by the end of this month.
- Resolve the following postponed issues:
 - Action on "conventional mooring", "multi-buoy mooring", and "Fender Berth" proposed by BvS.
 - Resolution to the "source indication" problem in the GI registry TBD with IEHG.
 - GI Registry's over-specialized definition of the concept "berthing".
- Schedule for NIPWG endorsement of the Edition 1.0.0 documents and publication.



HO ACTIONS REQUESTED

- NIPWG is requested to:
 - Endorse the plan for next steps with S-131 Edition 1.0.0.
 - Review and endorse the S-131 components which have already been completed.
 - Add the following to the agenda for the next VTC:
 - Proposals for "conventional mooring", "multi-buoy mooring", and "Fender Berth".
 - Resolutions to the "source indication" and "berthing" problems with IEHG and the GI registry.