



# International Hydrographic Organization

## CHRIS 20 TSMAD WG Report

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# Meetings

- TSMAD 15, January – Monaco
  - Finalising S-100 Committee Draft
- ECDIS S-101 Stakeholder WS, February Monaco
- TSMAD 16, May – Cape Town (including joint sessions with CSMWG)
- TSMAD – MEPTG, June – San Francisco
- TSMAD 17, September – Seattle
  - S-100 Committee Draft review



# S-100

- Committee Draft published March
  - 400+ comments
- ISO/IEC 8211 now published as draft
- IHO GI discussed
  - Concerns over scope and definition of categories
- Huge thank you to S-100 developers



# S-101

- ECDIS S-101 WS provided a wealth of useful information
- Initial draft in preparation
  - Follow up workshop
- New Wiki/Forum
- IHO driven small scale product
  - Consistent specification
  - Gridded



# S-10Xs

- Hydrographic Survey P.S.
  - Draft nearing completion (BAG)
- Digital Paper Chart P.S.
  - Little resource support, no work item leader.
  - Requirement still valid
  - Continue?



# S-10X

## Marine Environment Protection P.S.

- One meeting, report attached as annex
- Recommendations
  1. Develop marine protected area feature in hydrographic register
  2. SNPWG register other features and attributes
  3. MEPTG complete P.S. based on above actions
  4. TG continues investigating coral reef ecosystems to achieve internationally agreed classification.



# Problems encountered

## ■ ISO Standards

- ISO 19117 delays continue
- 5 year (now reduced to 3 year) review of published standards must be monitored, thus requiring IHO involvement for the foreseeable future.

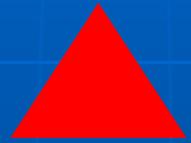


# Problems encountered

- Time varying attributes recently implemented by OEMs after inclusion of additional tests in IEC 61174
- Equipment objects do not carry temporal attributes (DATSTA, DATEND, PERSTA, PEREND)
- Master Slave concept not implemented by OEMs (no definitive instructions for use included in S-57)



# Problems encountered



Slave



Master



# Problems encountered

## ■ Possible Solutions

1. OEMs implement master slave solution
2. Minor new edition of S-57, adding temporal attributes to equipment objects
3. Producer update



# Conclusions and Recommended Actions

- CHRIS 20 is invited to endorse the continued activity of TSMADWG and in particular the recommendations for the continuance of MEPPS task group
- The CHRIS is invited to note this report and endorse the continuance of the TSMAD WorkPlan.