



# **ENCWG7 meeting New Zealand**

## **S-64 New Edition**

### **Agenda 7-4.3**

ENCWG 7 New Zealand Hybrid Event, 21 – 25 November 2022



IHO

# IHO S-64

International Hydrographic Organization

## Proposed New Edition of S-64 IHO Test Data Sets for ECDIS

- New Skin Of Earth (SOE) test to ensure point features display correctly when depth areas are modified by Updates
- New test for the drawing of multiple safety contours to ensure ECDIS don't crash when drawing
- New test to ensure all list attributes display correctly
- New S-64 template describing ECDIS settings to accurately conduct ENC tests. Successfully trialled with OEMs carrying out SOE tests, and recommended if S-64 new edition is approved.
- Following discussions with the Chair of S-100WG group have agreed the new format will be used to describe tests in S-164

Test Reference	IHO Reference		
<b>Test Description</b>			
<b>Loaded Data</b>			
<b>Path</b>		<b>Dataset</b>	
<b>Display Category</b>		<b>Independent Mariner's Selections</b>	
Standard		Accuracy	<input type="checkbox"/>
<b>Contour Values</b>		Highlight date dependent	<input type="checkbox"/>
Safety Contour		Highlight info	<input type="checkbox"/>
Safety Depth		Highlight document	<input type="checkbox"/>
Deep Contour		Show full light lines	<input type="checkbox"/>
Shallow Contour		SCAMIN off	<input type="checkbox"/>
<b>Palette</b>		Shallow pattern	<input type="checkbox"/>
Day		Shallow water dangers	<input type="checkbox"/>
<b>Point Lookup Table</b>		Unknown objects	<input type="checkbox"/>
Paper Chart Symbols		Update review	<input type="checkbox"/>
<b>Area Lookup Table</b>		Contour label	<input type="checkbox"/>
Symbolized Boundaries		Four shades	<input type="checkbox"/>
<b>Date Dependent Objects</b>		National language	<input type="checkbox"/>
Mode	Off		
Start Date	30 July 2021		
End Date	30 July 2021	<b>Text Groups</b>	
<b>Display</b>		Important text	<input type="checkbox"/>
Centre		Names	<input type="checkbox"/>
Scale		Light description	<input type="checkbox"/>
Orientation		All other text	<input type="checkbox"/>
<b>Notes</b>			
<b>Viewing Group Layers</b>			
<b>Standard Display</b>		<b>Other</b>	
Drying lines		Spot soundings	<input type="checkbox"/>
Buoys, beacons, structures		Submarine cables and pipelines	<input type="checkbox"/>
Lights		All isolated dangers	<input type="checkbox"/>
Boundaries and limits		Magnetic variation	<input type="checkbox"/>
Prohibited and restricted areas		Depth contours	<input type="checkbox"/>
Chart scale boundaries		Seabed	<input type="checkbox"/>
Cautionary notes		Tidal	<input type="checkbox"/>
Ships' routing systems and ferry routes		Miscellaneous	<input type="checkbox"/>
Archipelagic sea lanes			
Miscellaneous			
<b>Results</b>			
Plot			

Proposed new S-64 ECDIS setup template



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- To date the UKHO has reformatted section 2 of S-64 but there's another five outstanding sections still to be edited.
- We urgently require volunteers to help reformat the test scenarios in the other sections of the standard as there's too much for only a couple of individuals.
- It would be beneficial to have enough time for OEMs to validate the changes and ensure there's no errors or ambiguities in the test scenarios.
- Deadline of mid-March to have the newly formatted standard published and to allow the standard 6 weeks notice in time for HSSC 15 (5<sup>TH</sup> June)



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**2 CHART LOADING AND UPDATING --- COMPLETED**

**3 CHART DISPLAY**

**4 CHART RELATED FUNCTIONS**

**5 DETECTION AND NOTIFICATION OF NAVIGATIONAL HAZARDS**

**6 DETECTION OF AREAS FOR WHICH SPECIAL CONDITIONS EXIST**

**7 DETECTION AND NOTIFICATION OF THE SAFETY CONTOUR**

- The UKHO will create a simple spreadsheet with section breakdowns, owners and timescales in order to meet a mid-March deadline.
- How would the group wish to co-ordinate activities and progress?  
GitHub, Shared Excel tracker etc.