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## S-100 trial data set test scripts

### Introduction

The following information provides a comprehensive list of test scripts designed to help you validate and assess the data sets. Where applicable, each test outlines the cell name and position that can be followed to ensure data accuracy and consistency. Users can use these scripts as a guideline to test the data sets and identify any findings.

You will receive an email inviting you to provide feedback via a short survey based on these tests.

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### ECDIS setup

Configure your ECDIS with the following setup:

- Display: All
- Display pallet: Day bright
- Four colour depth shades
- Shallow: 5m
- Deep: 50m
- Safety depth: 5.8mm
- Safety contour: 5.8mm

## Testing S-101

Number	Test	Cell name	Position	Tests	Notes
S101.1	Coloured buoyage	Portsmouth 101GB003DEVQ0	50 45.600N 001 06.600W	Does the presentation of coloured traditional buoyage improve your understanding of the feature?	ECDIS setting: No text Standard display
S101.2	Text placement	Jersey 101GB0061032A	49 10.579N 002 06.973W	Does the presentation of rotated text improve the display of the chart?  Should all text be rotated?  Which chart features would you select for rotated text? I.e.: <ul style="list-style-type: none"> <li>• Geographic names</li> <li>• Berths</li> <li>• Lights/buoys/beacons</li> <li>• Fairways/Sea names</li> </ul>	ECDIS setting: All text
S101.3	Light sectors	Portsmouth 101GB005DEVQF	50 47.344N 001 06.696W	Rate the usefulness of extended light lines	ECDIS setting: Extend light lines Standard display No text
S101.4	Mooring area	Portsmouth and approaches 101GB005DEVQG and 101GB005DEVRG	Area feature: 50 47.90N 001 01.60W  Point Feature: 50 48.00N 01 01.50W	Does the new symbology for mooring areas improve understanding?  Does the separation of mooring areas and anchorage areas improve navigation?	New mooring areas introduced to distinguish from anchorage areas.  There are many Mooring Areas depicted within the test route.
S101.5	Speed limit attributed within restricted area	Langstone Harbour 101GB5DEVQG	50 47.802N 001 01.444W	Is encoding of speed limits a useful addition?	
S101.6	Anchor berths Information objects	101GB003DEVQ0	50 34.980N 001 01.501W	Twelve NAB anchor berth objects are charted in proximity, they are all associated with one Nautical Information chart note.  Is having multiple objects related to one information note useful? I.e. Does this reduce unnecessary clutter on screen?	Where Information Objects have been created within these trial GB S-101 cells, an 'i' symbol should be visible which acts as prompt to interrogate the feature in a similar way to 'pick reports' in S-57 cells.

S101.7	Multiple languages	St Malo 101FR00571300	Latitude: 48° 42.645 N Longitude: 2° 10.166 W	How useful is the inclusion of multiple languages as an attribute in S-101 ENC's?	FeatureName 1 'Saint-Malo approach channel'  FeatureName 2 'Chenal d'approche de Saint-Malo'
S101.8	Bridge span	101FR1017130	Latitude: 48° 40.066 N Longitude: 2° 04.976 W	How beneficial do you find the inclusion of bridge span information within S-101?	

## Testing S-102

Number	Test	Cell name	Position	Tests	Notes
S102.1	Sun illumination	n/a	n/a	Rate the value of sun illumination (scale of 1-5).  Does sun illumination improve the navigational picture?	
S102.2	Sun illumination operations	n/a	n/a	When do you think Sun Illumination might be most useful? I.e.: <ul style="list-style-type: none"> <li>• Anchoring</li> <li>• Manoeuvring / berthing</li> <li>• Route monitoring</li> </ul>	
S102.3	Depth shades	n/a	n/a	When navigating, do you prefer four colour depth shades or two colour depth shades?  Why? Please explain your reasoning.	All text
S102.4	Masking of S-101 objects	n/a	n/a	Does the masking of S-101 features (e.g. rocks, wrecks, obstructions) create any concerns when using S-102?	

## Testing S-104

Number	Test	Cell name	Position	Tests	Notes
S104.1	Dynamic Water Level (DWL) adjustment - Safety contour	n/a	n/a	Does the dynamic adjustment of water level improve navigational safety?	Load S-102 and S-104 data sets and access the WLA tool within the S-100 system

### Testing S-111

Number	Test	Cell name	Position	Tests	Notes
S111.1	Arrow size	n/a	n/a	Do you think the arrow sizes used to indicate current flow rates are suitable?	
S111.2	Arrow colours	n/a	n/a	Do the colours help to indicate the flow rates?	
S111.3	Arrow information	n/a	n/a	Is the pick report hover over function useful?	

### Testing S-124

Number	Test	Cell name	Position	Tests	Notes
S124.1	Symbology	n/a	50 45.44N 01 05.46W	Is it easy enough to interpret S-124 symbology displayed on the ECDIS?	There are several S-124 examples throughout the test route.
S124.2	Route checking	n/a	n/a	How useful is the integration of S-124 warnings into the ECDIS route checking function?	Create a route that transits through the S-124 warnings – run route checker function.