**S-101 Test Dataset Specification**

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| --- | --- | --- |
| **Version** | **Date** | **Changes** |
| 1.0 | 25th July 2022 | Further clarifications to information in the specifications changes indicated in red font. |

The dataset shall cover the extent specified in the test dataset scheme.

Cells should have a minimum display scale of 22000 and a maximum display scale of 90000

Features should be captured to allow some room for additional features in the dataset in future.

Although features should be captured in a logical combination in terms of geometry, they do not need to reflect real world features so an approach similar to that used in S-64 dataset GB4X0001 is expected.

Single overall DEPARE 20m shall be included and other features added as required so that a consistent scheme exists.

Producer Agency code AA00 shall be used with the numerical value 1810.

All mandatory S-101 features shall be present in the dataset and all mandatory attributes shall be populated.

* + Data Coverage
  + Quality of Bathymetric data (areas containing depth information and at maximum display scale 1:700000 and larger) (see Annex A for attribution)
  + Navigational System of Marks (marks navigational – system of – IALA A)

The dataset shall conform to S-101 Feature Catalogue 1.0.2 20220524 and DCEG 1.0.2.

Screenshots in the below documentation should be created using the latest available version of the NIWC viewer. The location both shall be populated with a single reference position which is the centre of all features covered in this scenario.

Although the text in the documents uses  degrees minutes and seconds we would like to request that degrees minutes and decimal minutes be used in line with S-4 B-131

So DD MM.mm

The NIWC viewer version specified for screenshots is 1.1.0.0 available from Basecamp here please use the Portrayal Catalogue here when generating screenshots [iho-ohi/S-101\_Portrayal-Catalogue: Space to discuss and review IHO S-101 Portrayal Catalogue (github.com)](https://github.com/iho-ohi/S-101_Portrayal-Catalogue)

[S-100 Test Bed: NIWC Test Bed Demo Package 1.1.0.0 (basecamp.com)](https://basecamp.com/2933368/projects/9982931/messages/93023049)

Annex B of this document details the default ECDIS settings to be used when generating screenshots.

**Annex A - Quality of Bathymetric Data Default Attribution**

Attributes not listed should not be populated.

* 1. Category of temporal variation – 6 unassessed
  2. Data assessment – 1 assessed
  3. Features Detected
     1. Least depth of detected features measured - false
     2. Significant features detected – false
  4. Full Seafloor Coverage achieved - false
  5. Survey Date Range
     1. Date End – 20210101
  6. Category of zone of confidence in data 3 zone of confidence B

**Annex B – Default ECDIS Settings for Screenshot Generation**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Display Category** | | | | **Independent Mariner’s Selections** | | | |
| Other | | | | Accuracy | | |  |
| **Contour Values** | | | | Highlight date dependent | | |  |
| Safety Contour | | | 10 | Highlight info | | |  |
| Safety Depth | | | 10 | Highlight document | | |  |
| Deep Contour | | | 50 | Show full light lines | | |  |
| Shallow Contour | | | 5 | SCAMIN off | | |  |
| **Palette** | | | | Shallow pattern | | |  |
| Day | | | | Shallow water dangers | | |  |
| **Point Lookup Table** | | | | Unknown objects | | |  |
| Paper Chart Symbols | | | | Update review | | |  |
| **Area Lookup Table** | | | | Contour label | | |  |
| Symbolized Boundaries | | | | Four shades | | |  |
| **Date Dependent Objects** | | | | National language | | |  |
| Mode | | Off | |  | | |  |
| Start Date | | 30 July 2021 | |  | | |  |
| End Date | | 30 July 2021 | | **Text Groups** | | | |
| **Display** | | | | Important text | | |  |
| Centre |  | | | Names | | |  |
| Scale |  | | | Light description | | |  |
| Orientation |  | | | All other text | | |  |
| **Notes** | | | | | | | |
|  | | | | | | | |
| **Viewing Group Layers** | | | | | | | |
| **Standard Display** | | | | | | **Other** | |
| Drying lines | | | | |  | Spot soundings |  |
| Buoys, beacons, structures | | | | |  | Submarine cables and pipelines |  |
| Lights | | | | |  | All isolated dangers |  |
| Boundaries and limits | | | | |  | Magnetic variation |  |
| Prohibited and restricted areas | | | | |  | Depth contours |  |
| Chart scale boundaries | | | | |  | Seabed |  |
| Cautionary notes | | | | |  | Tidal |  |
| Ships’ routeing systems and ferry routes | | | | |  | Miscellaneous |  |
| Archipelagic sea lanes | | | | |  |  |  |
| Miscellaneous | | | | |  |  |  |