



S-100 Online Web Viewer & TDS Sharing Platform

User Manual

Draft version 1.0

2022. 8.

Preface

S-100 Web Viewer & TDS Sharing Platform is a platform for testing the display of test datasets with the feature catalogue and the portrayal catalogue for S-100 products, and sharing the TDS.

This user's manual provides basic structure of the system and description of various functions. Please do not hesitate to contact us if you have further questions regarding the S-100 Web Viewer & TDS Sharing Platform and if you think we could make any improvements.

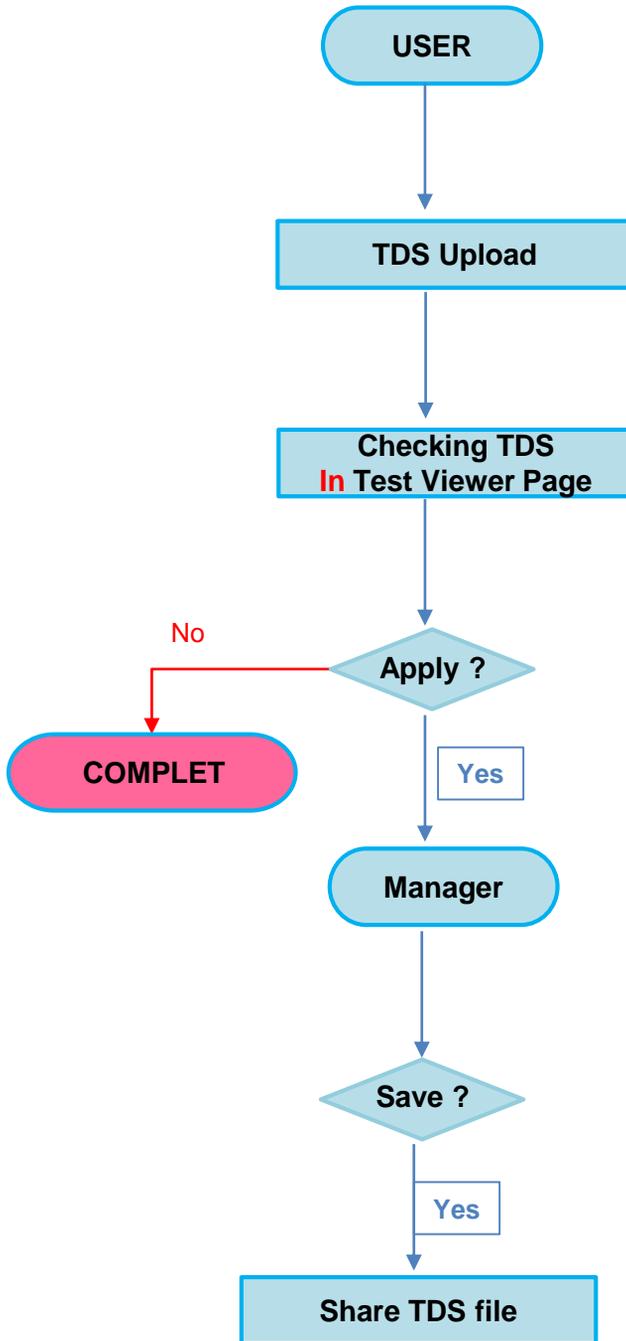
This user's manual consists of item as below.

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1. TDS Sharing Process



2. TDS Submission

Connect to the following URL address to submit the tds.

<http://119.195.114.103/viewer/upload.do>

- ① Product ID: Select the unique identifier for the data product as specified in the product specification.
- ② Project Name : Type in the name of project for the produced dataset.
- ③ Producer Code : Select the publishing agency code.
- ④ Contact Email : Type in the email address for receiving the result of the TDS status.
- ⑤ Feature Catalogue : Select the feature catalogue version to test the TDS or upload the feature catalogue file.
- ⑥ Portrayal Catalogue : Select the portrayal catalogue version to test the TDS or upload the portrayal catalogue file.
- ⑦ Country : Select the country of producing the TDS.
- ⑧ Region : Select the region of the country.
- ⑨ File Choose : To upload the TDS, click the file choose button.
- ⑩ TDS File : Select the button whether the TDS allow to be downloaded or not.
- ⑪ SUBMIT : Click the Submit button to send TDS.

TDS Sharing Platform

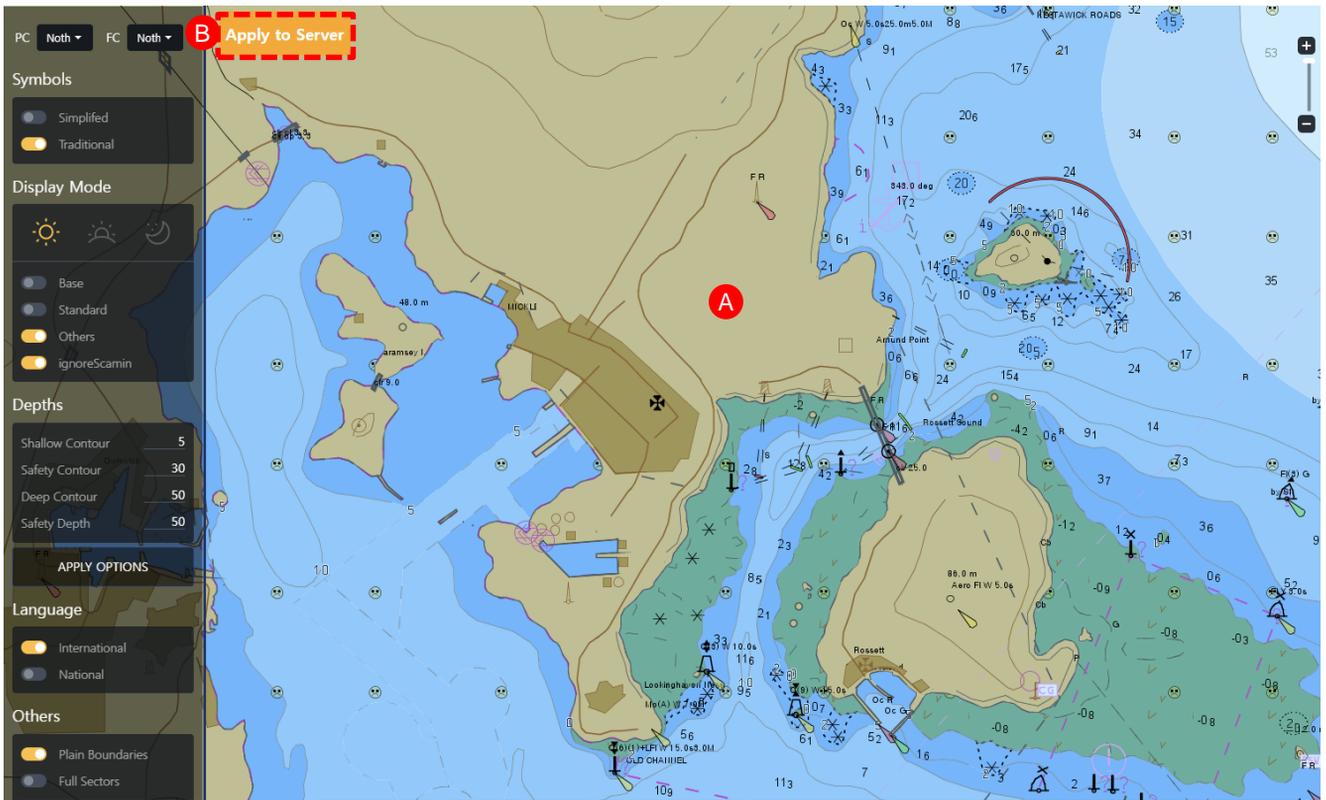
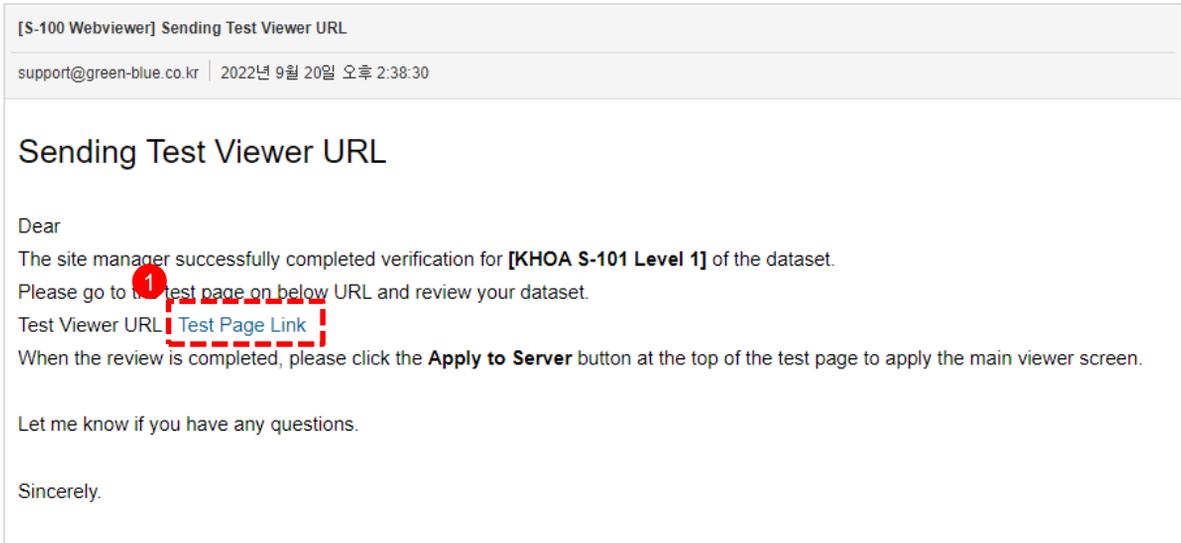
Send Test DataSet

- ① Product ID *
- ② Project Name *
- ③ Producer Code *
- ④ Contact Email *
- Remarks
- ⑤ Feature Catalogue *
- ⑥ Portrayal Catalogue *
- Test Dataset *
 - ⑦ Country *
 - ⑧ Region *
 - ⑨ File Choose
 -
 - ⑩ Do you allow the file to be downloaded? *
 YES NO
 - ⑪

3. TDS Testing Viewer Screen

You can receive the Test Viewer URL, which allow you to check the uploaded TDS.

- ① Click the link to go to the Test Viewer screen

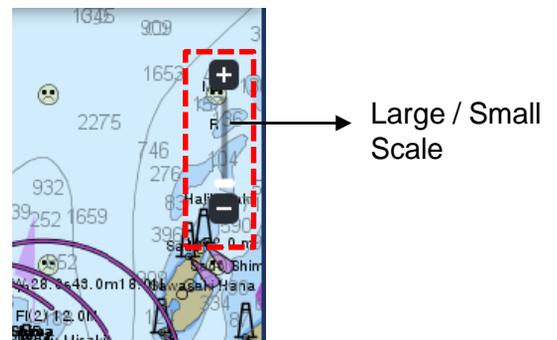
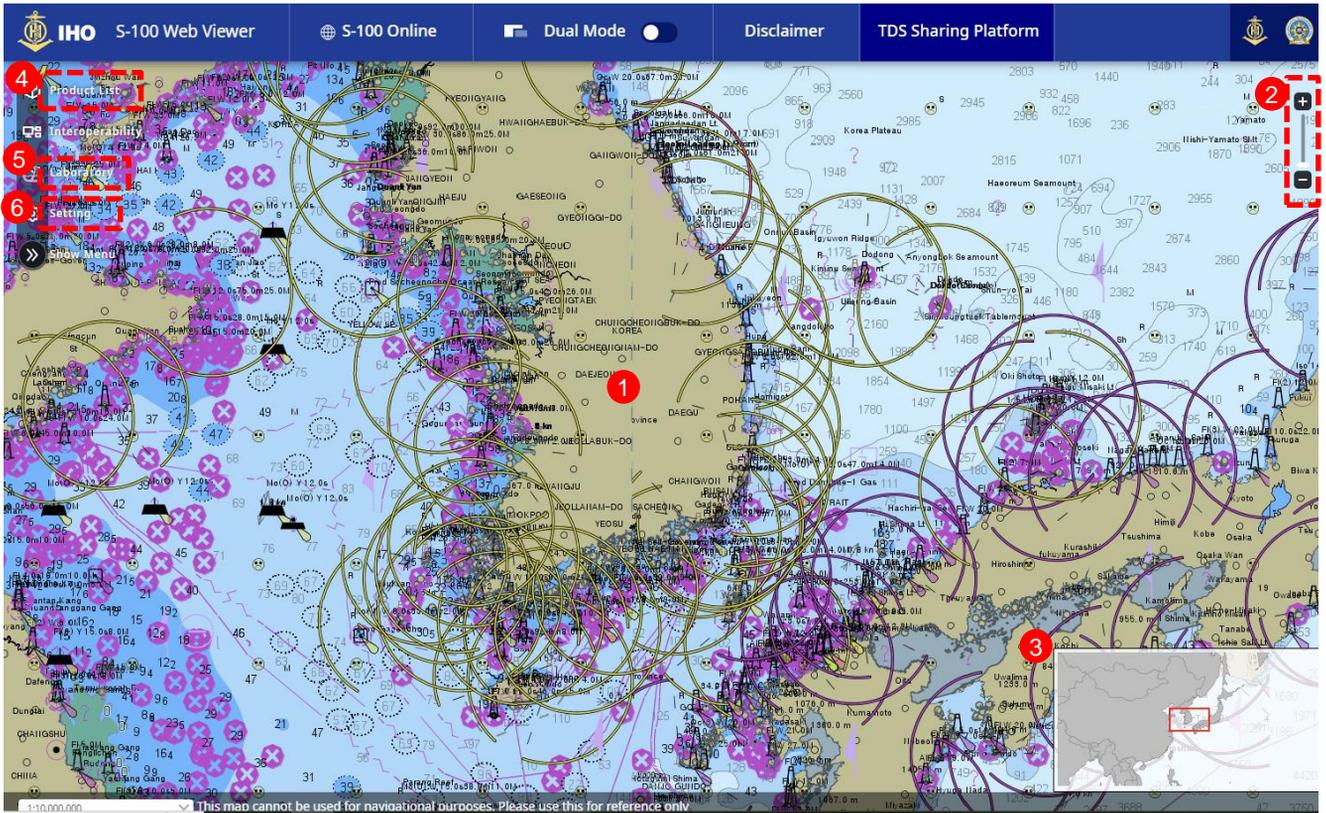


- Ⓐ Test Map Viewer: The map for uploaded TDS
- Ⓑ Apply to Server : Click the Apply to Server button to request users to share the TDS after verification ends.

4. Main Viewer Screen

The main viewer page is composed of the following configuration.

- ① Map Viewer : Display base map.
- ② Map Control : Zoom in/out
- ③ Overview Map : Overview map for checking the location of base map.
- ④ Product List : The list of S-100 based product list.
- ⑤ Laboratory : Change the depth Contour values.
- ⑥ Setting : Change the S-101 portrayal option values.



4-1. Product List

You can check the S-100 based product list that can display the screen of the TDS.

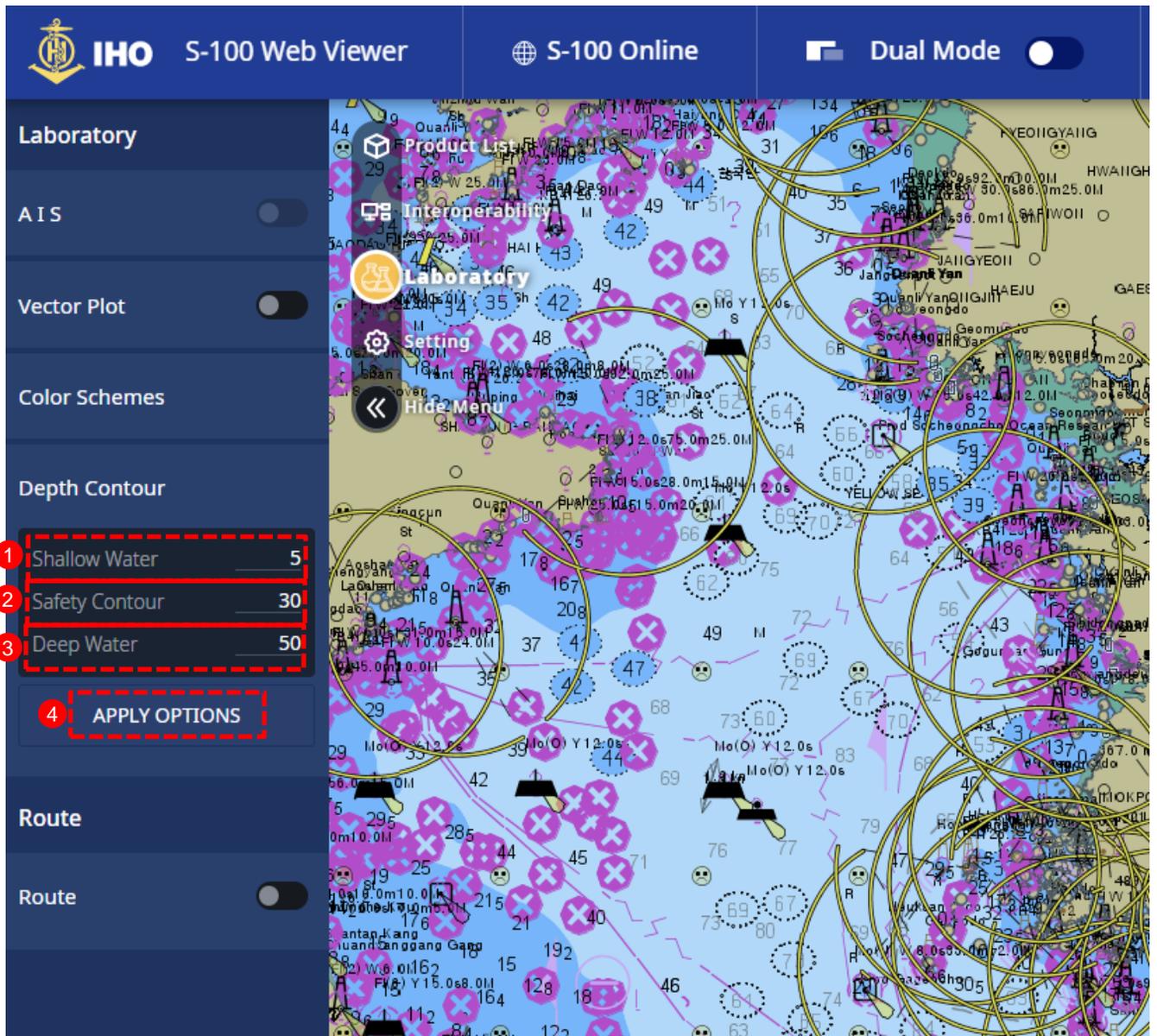
- ① Product List : S-100 based product.
- ② The button to display the product.
- ③ Select the area where the TDS exists.
- ④ Check the legend.

The screenshot displays the IHO S-100 Web Viewer interface. The top navigation bar includes the IHO logo, the text "S-100 Web Viewer", "S-100 Online", and a "Dual Mode" toggle switch. On the left, a "Product List" sidebar is visible, containing several product categories with toggle switches: S-57 Electronic Charts, S-101 Electronic Chart (set to "Republic of Korea"), S-102 Bathymetric Surface (highlighted with a red dashed box and a red circle labeled '2'), S-104 Water Level, and S-111 Surface Currents. A red dashed box labeled '1' encompasses the entire Product List sidebar. The main map area shows a bathymetric surface of the Republic of Korea, with depth contours and various navigational symbols. A legend for the bathymetric surface is overlaid on the map, showing four depth ranges: "under 5", "5 ~ 30", "30 ~ 50", and "over 50". A red dashed box labeled '3' highlights the "Choose Country" dropdown menu, and a red dashed box labeled '4' highlights the legend. A red circle labeled '2' highlights the toggle switch for the S-102 Bathymetric Surface product.

4-2. Laboratory

You can change the value of the Depth Contour.

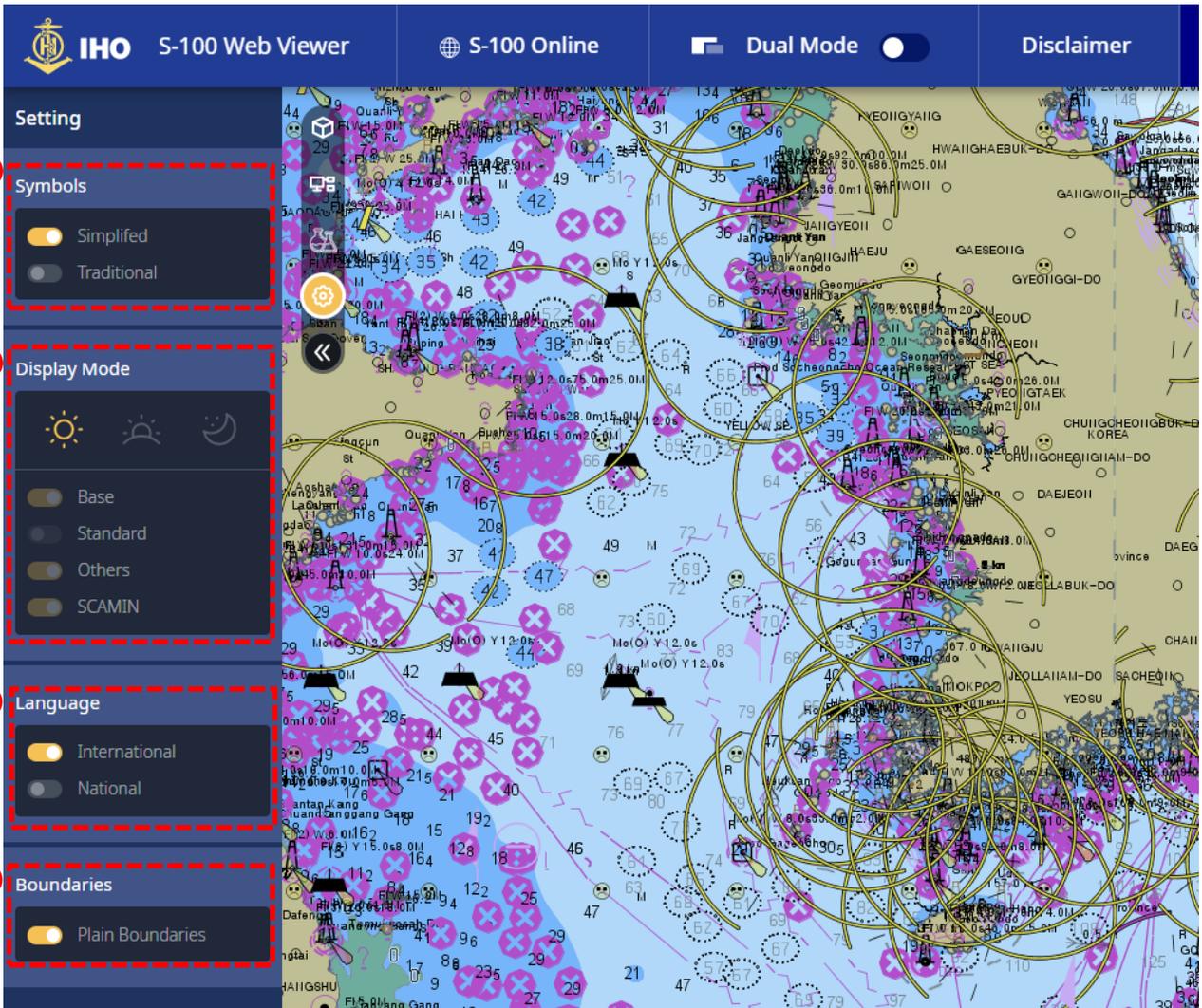
- ① Shallow Water : Type in Shallow Water value.
- ② Safety Contour : Type in Safety Contour value.
- ③ Deep Water : Type in Deep Water value.
- ④ APPLY OPTIONS : Click APPLY OPTIONS button, you can check the depth contour color changes.



4-3. Setting

You can change the S-101 portrayal option values.

- ① Symbols : Simplified / Traditional button changed.
- ② Display Mode : Day / Dusk / Night and Base / Standard / Others / SCAMIN button changed
- ③ Language : International / National button changed
- ④ Boundaries : Plain Boundaries button changed



5. Shared TDS List Screen

You can find a list of shared TDSs.

- ① TDS Sharing Platform : Click the TDS Sharing Platform menu, check the list of TDS.
- ② TDS List : The list will be shown.

The screenshot shows the IHO S-100 Web Viewer interface. The top navigation bar includes 'IHO S-100 Web Viewer', 'S-100 Online', 'Dual Mode', 'Disclaimer', and 'TDS Sharing Platform'. A red dashed box highlights the 'TDS Sharing Platform' menu item, with a red arrow pointing to the 'TDS Sharing Platform' sub-menu in the top right corner. Below this, a red arrow points to the 'TDS Sharing Platform' sub-menu in the top right corner of the map area.

The 'TDS Sharing Platform' sub-menu is open, showing a 'Test Data Set List' table. The table contains the following data:

NO	PRODUCT ID	Project Name	Producer Code	Status	Proposed Date	view
51	S-101 Electronic Navigational Chart (ENC)	2.3 Loading and Updating of Encrypted ENC's Test 6a,6b,6e	KR	Submitted	17-08-2022	-
52	S-101 Electronic Navigational Chart (ENC)	3.1 ENC Display	KR	Submitted	17-08-2022	-
53	S-101 Electronic Navigational Chart (ENC)	3.2 Settings	KR	Submitted	17-08-2022	-
54	S-101 Electronic Navigational Chart (ENC)	3.3 Display Priorities	KR	Submitted	17-08-2022	-
55	S-101 Electronic Navigational Chart (ENC)	3.7 Overlap	KR	Submitted	17-08-2022	-
56	S-101 Electronic Navigational Chart (ENC)	3.7.7 Scale minimum	KR	Submitted	17-08-2022	-
57	S-101 Electronic Navigational Chart (ENC)	5.0 Navigational Hazards	KR	Submitted	17-08-2022	-
58	S-101 Electronic Navigational Chart (ENC)	6.0 Special Conditions	KR	Submitted	17-08-2022	-
59	S-101 Electronic Navigational Chart (ENC)	7.0 Safety Contour	KR	Submitted	17-08-2022	-
60	S-101 Electronic Navigational Chart (ENC)	9.0 Plug&Play Before	KR	Submitted	17-08-2022	-

Showing 51 to 60 of 85 rows | 10 rows per page

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KHOA Acknowledgements

6. Shared TDS Detail Information Screen

You can check the detail information of TDS.

- ① Select the item to query the detail of TDS.
- ② Download all files : Click Download all files to download FC / PC / Test Dataset files that allowed shared.
- ③ FC : Click the FC to inquiry the metadata of FC.
- ④ PC : Click the PC to inquiry the metadata of PC.
- ⑤ Test Dataset : Click the TDS to inquiry the metadata of TDS.

The screenshot displays the 'IHO TDS Sharing Platform' interface. At the top, there's a header with the IHO logo and 'KHOA Korea Hydrographic and Oceanographic Agency'. Below the header is a 'Test DataSet List' table with columns: NO, Product ID, Project name, Producer Code, Status, Proposed Date, and View. A red dashed box highlights row 52. A 'Detail View' modal is open, showing fields for Product ID, Project Name, Producer Code, Proposed Date, Remarks, File, Feature Catalogue, Portrayal Catalogue, and Test Dataset. Red dashed boxes and numbered arrows (1-5) point to specific elements: 1. Row 52 in the table, 2. 'Download all files' button, 3. 'Feature Catalogue' section, 4. 'Portrayal Catalogue' section, and 5. 'Test Dataset' section.

Feature Catalogue Information

Feature Catalogue Name	S-101_FC.xml
Version	1.0.0
Organization	International Hydrographic Organization
Version Date	2019-04-09

Portrayal Catalogue Information

Portrayal Catalogue Name	S101_Portrayal.zip
Version	1.1.4.mfp
Organization	International Hydrographic Organization
Version Date	2021-07-02T00:00:00+0000

TDS Information

Test Dataset Name	101KR005DBASE.000
Country Code	KOREA
Encoding specification	S-100 Part 10a
Encoding specification edition	1.1
Product edition	1.0
Application profile	1
Product identifier	INT.IHO.S-101.1.0
Dataset reference date	20200626
Dataset language	EN
Dataset edition	1.0