



13th Meeting of the WENDWG

Report of the development of INTToGIS III – S-128 by NIPWG

Agenda Items 06.1A



- Current status of INTOGIS II Service
 - INT Chart, ENC Web Catalogue Service
 - INT Chart maintenance and planning
 - (Manager mode) Port index, Global traffic

The screenshot shows the IHO Web Catalogue interface. The top navigation bar includes the IHO logo, "IHO Web Catalogue", "Supported by KHQA", and links for "Disclaimer", "Manual", and "Manager". A search bar is present with "No Title" and a search icon. The main area displays a map of the Indian Ocean region with various chart boundaries. A search filter overlay is visible on the left side, showing filters for "Chart Scale" (General, Coastal, Harbour, Berthing), "Region" (A-E, F-K, L-M, N-10M), "Status" (Schemed, Produced), "Producer" (Member States, Other States, Others), "Prod. Nation", and "Pub. Year".

The screenshot shows the IHO Web Manager interface. The top navigation bar includes the IHO logo, "IHO Web Manager", "Supported by KHQA", and a user profile "Hello GEOTWO". Links for "Disclaimer", "Manual", and "Logout" are present. A search bar is present with "No Title" and a search icon. The main area displays a map of the Southeast Asian region with various chart boundaries. A table of chart data is visible below the map.

INT_No	PanelId	INT Region	INT Title	Producer	Nat. No.	S_limit	N_limit	W_limit	E_limit	1stI	Action	Reviewer	Process
22	MAIN	10M	Da América do s...	BR	19002	43°0.00'S	8°0.00'N	58°0.00'W	28°0.00'E	1	Modify	GEOTWO	
50	MAIN	10M	North Pacific O...	US	50	15°0.00'N	71°30.00'N	173°5.00'W	116°30.00'W	1	Modify	GEOTWO	
3502	MAIN	F	Rás El Dabca ...	GB	2574	30°41.62'N	32°26.00'N	28°23.00'E	31°52.53'E	1	Modify	GEOTWO	
50694	MAIN	K	TEST	KR	23423423	0°50.00'S	8°0.00'N	125°0.00'E	134°0.00'E	2	New	GEOTWO	



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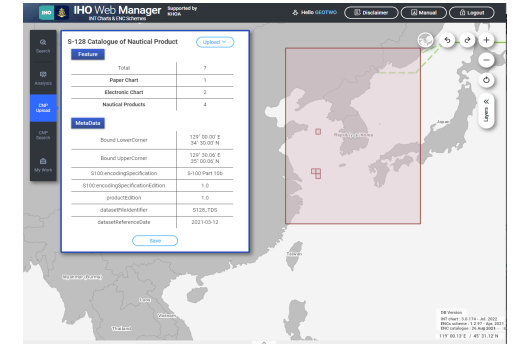
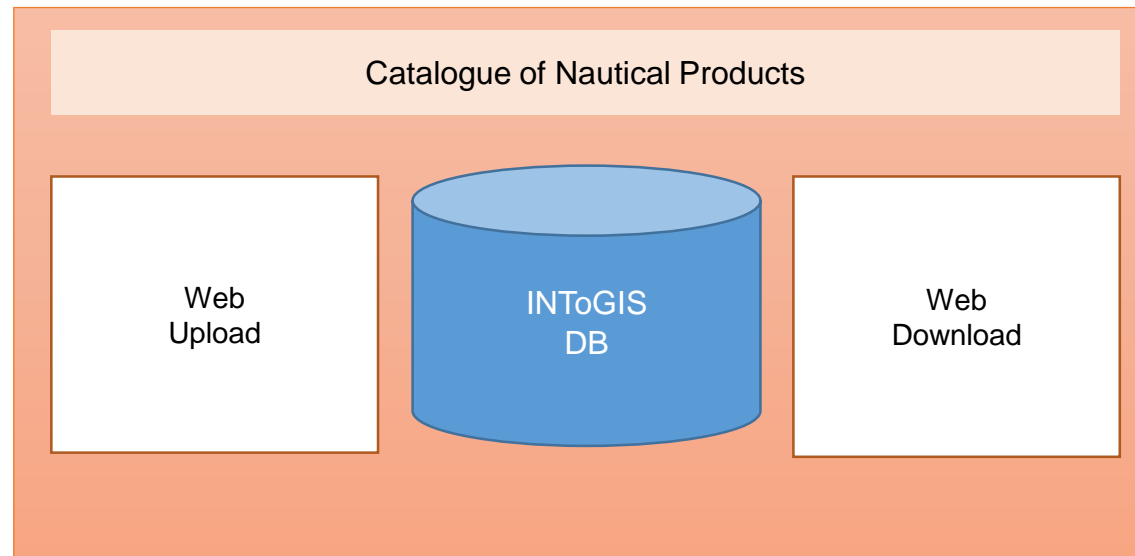
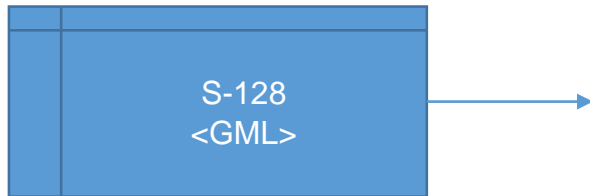
INTOGIS III – S-128 DEMO VERSION

International Hydrographic Organization

- S-100 products catalogues in INTogIS by S-128

INTogIS III

HOs, RENCs, Other Providers





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INTOGIS III – S-128 DEMO VERSION

International Hydrographic Organization

- Share catalogue of nautical product through web-upload of S-128 dataset

The screenshot shows the IHO Web Manager interface. On the left, a sidebar contains 'CNP Upload' and 'CNP Search'. The main panel displays the 'S-128 Catalogue of Nautical Product' form. The 'Feature' section includes a table with columns for 'Feature' and 'Count'. The 'MetaData' section includes fields for 'Bound LowerCorner', 'Bound UpperCorner', 'S100.encodingSpecification', 'S100.encodingSpecificationEdition', 'productEdition', 'datasetFileIdentifier', and 'datasetReferenceDate'. A red box highlights the 'Upload' button, which has opened a 'Choose File' dialog box. The dialog box shows 'No file chosen' and has 'ok' and 'cancel' buttons. A red arrow points from the 'Choose File' dialog to the 'CNP Upload' button in the sidebar.

Feature	
Total	
Paper Chart	
Electronic Chart	
Nautical Products	

MetaData	
Bound LowerCorner	
Bound UpperCorner	
S100.encodingSpecification	
S100.encodingSpecificationEdition	
productEdition	
datasetFileIdentifier	
datasetReferenceDate	

The screenshot shows the IHO Web Manager interface. The main panel displays the 'S-128 Catalogue of Nautical Product' form. The 'Feature' section includes a table with columns for 'Feature' and 'Count'. The 'MetaData' section includes fields for 'Bound LowerCorner', 'Bound UpperCorner', 'S100.encodingSpecification', 'S100.encodingSpecificationEdition', 'productEdition', 'datasetFileIdentifier', and 'datasetReferenceDate'. A red box highlights the 'Upload' button. A red arrow points from the 'CNP Upload' button in the sidebar to the 'Upload' button in the form. A map overlay is visible on the right side of the form, showing a red box over the Korean peninsula.

Feature	
Total	7
Paper Chart	1
Electronic Chart	2
Nautical Products	4

MetaData	
Bound LowerCorner	129° 00.00' E 34° 30.00' N
Bound UpperCorner	129° 30.06' E 35° 00.06' N
S100.encodingSpecification	S-100 Part 10b
S100.encodingSpecificationEdition	1.0
productEdition	1.0
datasetFileIdentifier	S128_TDS
datasetReferenceDate	2021-03-12



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INTOGIS III – S-128 DEMO VERSION

International Hydrographic Organization

- Share coverage of different S-100 products by uploading S-128

The screenshot shows the IHO Web Manager interface. On the left is a navigation sidebar with options like Search, Analysis, and CNP Upload. The main content area is titled "S-128 Catalogue of Nautical Product" and contains an "Upload" button and a table with product features and metadata. A map of the Korean Peninsula is displayed in the background, with a red box highlighting the area of interest. The map includes labels for "Japan", "Taiwan", "Thailand", "Cambodia", "Philippines", "Northern Mariana Islands", "Guam", "Pacific Islands (Palau)", and "Federated States of Micronesia".

S-128 Catalogue of Nautical Product	
Feature	
Total	8
Paper Chart	1
Electronic Chart	1
Nautical Products	6
MetaData	
Bound LowerCorner	129° 00.00' E 34° 30.00' N
Bound UpperCorner	129° 30.06' E 35° 00.06' N
S100:encodingSpecification	S-100 Part 10b
S100:encodingSpecificationEdition	1.0
productEdition	1.0
datasetFileIdentifier	S128_Sample_KR
datasetReferenceDate	2021-03-12

Upload Test S-128 RoK(KR)



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INTOGIS III – S-128 DEMO VERSION

- Share coverage of different S-100 products by uploading S-128

IHO Web Manager Supported by KHOA

Hello GEOTWO Disclaimer Manual Logout

S-128 Catalogue of Nautical Product

Paper Chart 0 Electronic Chart 2 Nautical Products 2

Chart Number	Producer	Scale	Issue Date	Product Type	Geometry
101TI001SAMPLE	TI	12000000	2023-01-02	ENC	Y
57TI00SAMPLE	TI	180000	2023-02-01	ENC	Y

Back Save

Upload Test S-128 of Test country(TI)

DB Version
INT chart : 3.0.174 - Jul. 2022
ENCs scheme : 1.2.97 - Apr. 201
ENC catalogue : 26 Aug 2021
133° 33.29' E / 25° 57.06' N



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INTOGIS III – S-128 DEMO VERSION

International
Hydrographic
Organization

- Share coverage of different S-100 products by uploading S-128

The screenshot displays the IHO Web Manager interface. The top navigation bar includes the IHO logo, the text "IHO Web Manager" and "Supported by K-HOA", and user information "Hello GEOTWO" and a "Disclaimer" button. A left sidebar contains navigation options: Search, Analysis, CNP Upload, CNP Search (highlighted), and My Work. The main content area features a search bar with "No Title" and a search icon. Below the search bar are filter tabs for "All" (18 items), "Chart" (0 items), and "NPub" (0 items). A "Title" filter is active, showing a list of search results:

Search Results
<input type="checkbox"/> 104KR00KR4_G3B30_20220810_F24 KR
<input type="checkbox"/> 111KR00KR4_YES3k_G1F10_20220810 KR
<input type="checkbox"/> 111KR00KR4_YES3k_G1F30_20220810 KR

Below the list are pagination controls (1 2 3 4) and buttons for "Back" and "Download". The map shows the Republic of Korea with several S-100 test catalogue overlays: S-102, S-104, S-111, and S-111. A large pink shaded area covers the eastern coast, with a specific area labeled "101KR002C4000_1 57TI00SAMPLE" and another labeled "101TI001SAM". A green box on the right contains the text: "S-100 test catalogues of RoK(KR) and Test country(TI)".



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INTOGIS III – S-128 DEMO VERSION

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- Search and Download
 - Search for data by product
 - INT chart / electronic chart / S-100 products(route monitoring products)
 - Download files for S-128 GML, Excel, PDF format

IHO Web Catalogue
INT Charts & ENC Schemes
Supported by KHOA

Search: No Title

Filter: All (0) Chart (0) NPub (0)

Chart: All

Paper: S-57 S-101 S-102 S-104 S-111 S-124 S-129 Other

Producer: Issuance Year

Search: Search Reset

Download

IHO Web Catalogue
INT Charts & ENC Schemes
Supported by KHOA

Search: No Title

Filter: All (0) Chart (1) NPub (0)

Title: 1001

Download: XLS PDF GML

Back

1001

Title	1001
Producer	KR
Product ID	Paper
Product Type	paper nautical chart
Chart Number	1001
Scale	2000000
Copyright	Korea Hydrographic and Oceanographic Agency
Edition Date	2018-10-
Edition Number	2
Issue Date	2018-10-



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DEVELOPMENT TIMELINE

International
Hydrographic
Organization

- Subdivide Nautical Product Categories
- Product status information

Extended INToGIS Test

'23.2

- S-128 Upload / DB Load
- Nautical Products Search

Products Categorization

'23.7

- INT Charts
- ENC(S57/S-101)
- Other Nautical Products

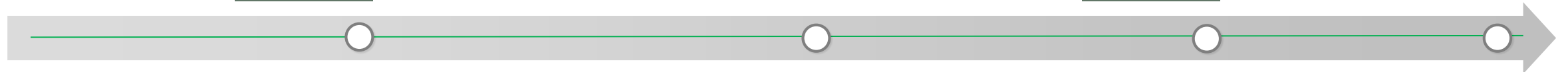
Product status inform

'23.10

- Scheme/Publish
- Apply S-128 ed.1.x

INToGIS III Test

'23.12





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ACTIONS REQUIRED

International
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- Invite MSs to provide their S-128 TDS for testing
- Note INToGIS III will be ready to provide the world wide coverage of S-100 based products by end 2023

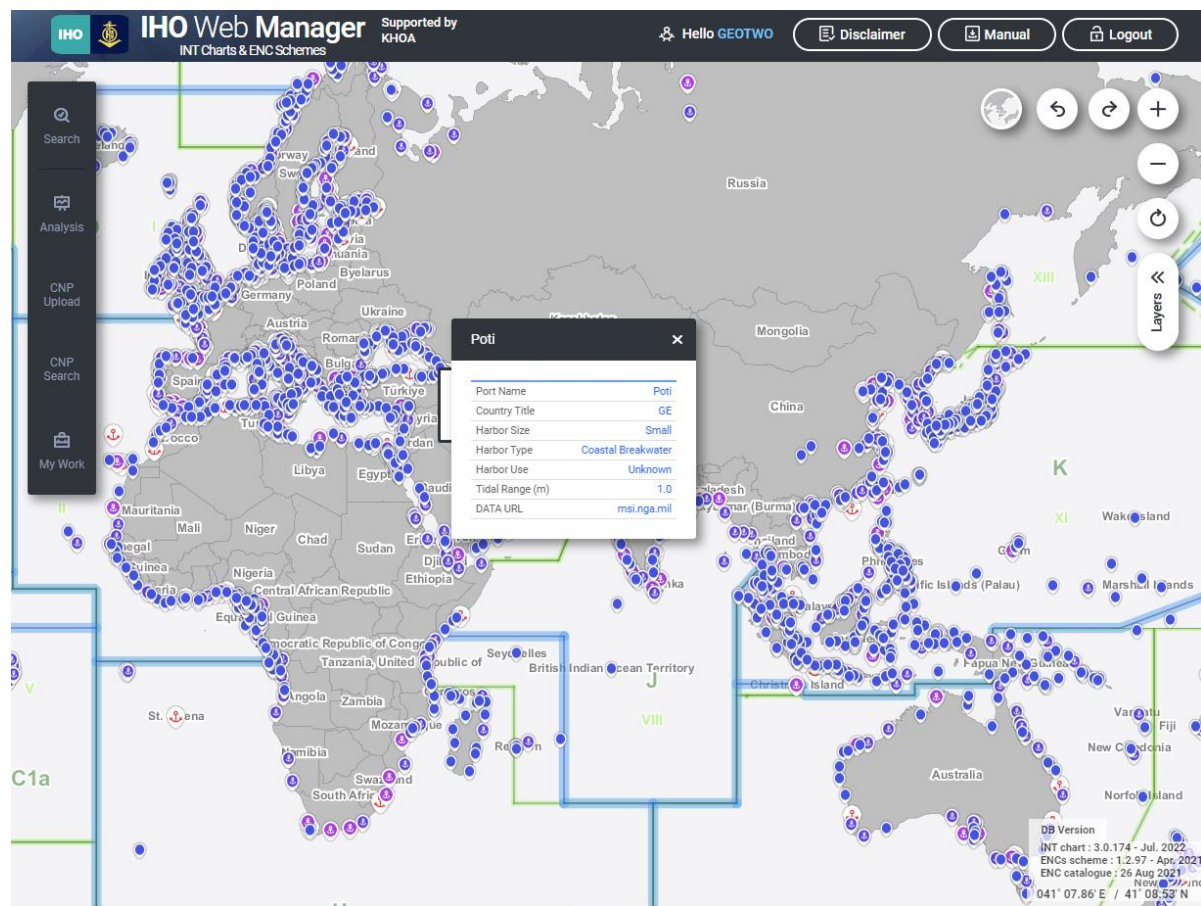
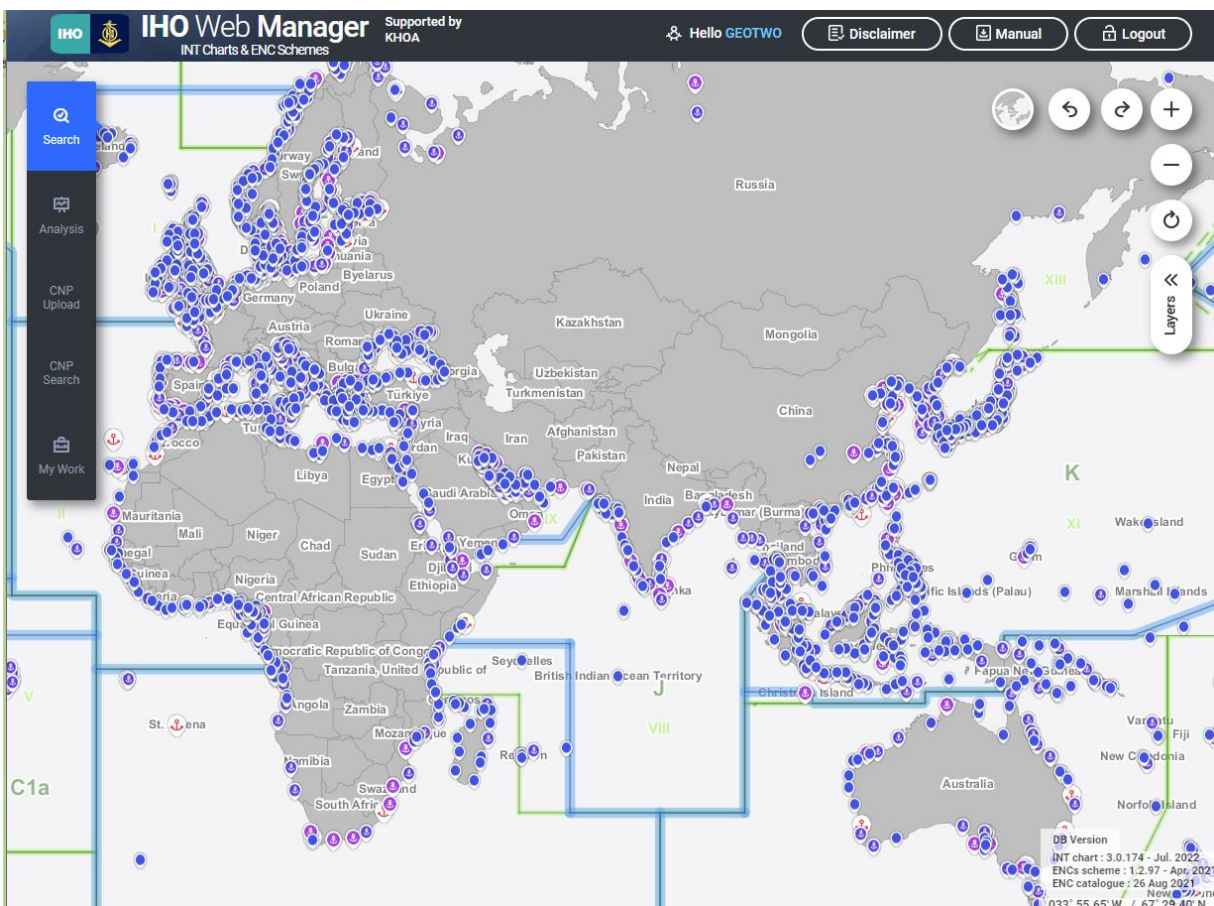


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INTOGIS II UPDATES - WORLD PORT INDEX

International Hydrographic Organization

- Weekly update though API connection to US NGA





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INTOGIS II UPDATES - GLOBAL MARITIME TRAFFIC DENSITY SERVICE

International Hydrographic Organization

GMTDS data from US NGA using API

