



NIPWG VTC (2024)

S-128 Ed 1.2.0 Work Status

NIPWG VTC01/24 (March 5th, 2024)



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S-128 REGARDING TO NIPWG ACTION ITEMS

International
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- NIPWG Outstanding Action Items
 - **(Action Item 11.5.1)** Create and distribute a detailed timeline (Nov 23-Aug 24) of roadmap to PS 2.0 creation, including when tool is ready to be used for testing
 - **(Action Item 11.5.1)** Product Type attribute; check PS 1.1.0 for the inclusion of traditional paper products (List of Light, SDs etc.) and other different use cases
 - **(Action Item 11.5.1)** DCEG guidance for the different uses to be reviewed in preparation of PS 1.1.0



IHO S-128 ED 1.2.0 WORK STATUS

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- Action Item 11.5.1
 - New data model and use case was designed to cover various products
 - INTOGIS is ready to create S-128 through S-10X exchange set
 - Canada, UK, Australia, ROK created S-128 data through INTOGIS

The image displays two screenshots of the IHO Web Manager interface, showing the S-128 Catalogue of Nautical Product conversion process. The interface includes a search bar, a sidebar with navigation options (Search, Analysis, CNP Upload, CNP Search, My Work), and a main content area with a map of the Republic of Korea.

Left Screenshot: The 'Supporting Product' dropdown is set to 'S-111'. The 'Convert' button is highlighted. A red box highlights the 'Supporting Product' dropdown, and a red arrow points to a map of the Republic of Korea showing several purple rectangular areas labeled 'Nautical Product'.

Right Screenshot: The 'Supporting Product' dropdown is set to 'S-101'. The 'Convert' button is highlighted. A red box highlights the 'Supporting Product' dropdown, and a red arrow points to a map of the Republic of Korea showing a green rectangular area labeled 'Electronic Chart'.

Bottom Left Screenshot: The 'Supporting Product' dropdown is open, showing a list of product codes: S-101, S-102, S-104, S-111, S-124, and S-129. A red box highlights the dropdown menu.



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- NIPWG Outstanding Action Items
 - **(Action Item 11.5.2)** Dedicated S-128 VTC to be held monthly. Strict focus on finalising PS development
 - **(Action Item 11.5.3)** Investigation to be conducted in the usability and feasibility of S-128 providing association to Maritime Services
 - **(Action Item 11.5.4)** Review S-128 and find any gaps between Data model and registry
 - **(Action Item 9.5.1)** NIPWG invited to review the new S-128 data model
 - **(Action Item 9.5.1)** NIPWG invited to create S-128 data using local S-10X data through INTToGIS and provide feedback to S-128 PT



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- Action Item 11.5.2, 11.5.3
 - S-128 Internal VTC was hold every month with updated PS Package
 - Members suggested a lot of good opinions to cover many parts
 - New data model covers traditional paper products, Maritime Services, S-10X hydrographic data/products

S-128 Category	Product	Product Type
Paper Chart	Paper chart	1. Paper Nautical Chart
	INT	4. INT Chart
	Paper special purpose chart	8. Special purpose chart
Electronic Chart	ENC	2. ENC
	S-101	2. ENC
	S-100 Compliant Product	2. ENC (/ 6. S-100 compliant product
	S-100 Compliant Product	6. S-100 compliant product
	S-10X	6. S-100 compliant product
Digital Chart		8. Special purpose chart
Raster Navigational Chart		8. Special purpose chart
Special Chart	Fishery Chart	8. Special purpose chart
Special Chart	Location Chart	8. Special purpose chart
Special Chart	Territorial Chart	8. Special purpose chart
Special Chart	World Route Chart	8. Special purpose chart
NauticalProduct		6. S-100 compliant product
	e-Navigation Service	9. e-Navigation service
	Paper Nautical Publication	5. nautical publication
	Electronic Nautical Publication	5. nautical publication

S-128 Category	S-128 Type	Classification	Purpose	Carriage requirements	Example
Nautical charts	Printed	INT Chart Paper nautical chart Special purpose chart	SOLAS Defense, Leisure, Cruise, ...	All All	
	Electronic	ENC S-100 Compliant product Raster nautical chart Special purpose chart	SOLAS SOLAS Defense, Leisure, Cruise, ...	All Passenger ships of 500 gross tonnage	S-57, S-101, S-102 S-104, S-111
Nautical publications	Printed	Paper nautical publication			Fishery chart, location chart, ...
	Electronic	S-124 S-125 S-131	SOLAS	All	List of lights, Tidal currents table, Sailing directions, ...



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International Hydrographic Organization

• Action Item 11.5.4

- Export features and attributes from new S-128 data model as CSV
- Check all item's registered status regarding to S-100 GI Registry
- Internal volunteered members support to create new definition

IHO Geospatial Information Registry

Data Dictionary Register

Feature Type: 381 | Information Type: 30 | Attribute Type: 748 | Complex Type: 118 | Enumeration Value: 2410 | CodeList Value: 453

Item ID	Name	Camelcase	Definition	Domain	Status	Date Accepted
659	Dolphin	Dolphin	A post or group of posts, used for mooring or...	IHO Hydro	Valid	2024-01-24
660	Mooring Buoy	MooringBuoy	A buoy secured to the bottom by permanent...	IHO Hydro	Valid	2024-01-24
661	Data Coverage	DataCoverage	A geographical area that describes the cover...	IHO Hydro	Valid	2024-01-24
662	Text Placement	TextPlacement	The Text Placement feature is used in associa...	IHO Hydro	Valid	2024-01-24
663	Update Information	UpdateInformati...	The Update Information metadata feature is ...	IHO Hydro	Valid	2024-01-24
664	Bridge	Bridge	(1) An elevated structure extending across or ...	IHO Hydro	Valid	2024-01-24
665	Navigation Line	NavigationLine	A straight line extending towards an area of ...	IHO Hydro	Valid	2024-01-24
666	Recommended Track	RecommendedT...	A route which has been specially examined L...	IHO Hydro	Valid	2024-01-24
668	Fairway	Fairway	That part of a river, harbour and so on, wher...	IHO Hydro	Valid	2024-01-24
669	Fairway System	FairwaySystem	That part of a river, harbour and so on, wher...	IHO Hydro	Valid	2024-01-24
670	Recommended Route Centreline	RecommendedR...	The recommended route centreline indicates...	IHO Hydro	Valid	2024-01-24
671	Two-Way Route Part	TwoWayRoutePart	An area of a two-way route within which tra...	IHO Hydro	Valid	2024-01-24
672	Two-Way Route	TwoWayRoute	A route within defined limits inside which tw...	IHO Hydro	Valid	2024-01-24
673	Recommended Traffic Lane Part	RecommendedT...	A traffic flow pattern indicating a recommend...	IHO Hydro	Valid	2024-01-24
674	Deep Water Route Centreline	DeepWaterRout...	The Deep Water route centreline indicates th...	IHO Hydro	Valid	2024-01-24
675	Deep Water Route Part	DeepWaterRout...	An area of a deep water route within which s...	IHO Hydro	Valid	2024-01-24
676	Deep Water Route	DeepWaterRoute	A route within defined limits which has been ...	IHO Hydro	Valid	2024-01-24
678	Precautionary Area	PrecautionaryArea	A routing measure comprising an area withi...	IHO Hydro	Valid	2024-01-24
679	Traffic Separation Scheme Lane Part	TrafficSeparatio...	An area within defined limits in which one-wa...	IHO Hydro	Valid	2024-01-24
680	Separation Zone or Line	SeparationZone...	A zone or line separating the traffic lanes in ...	IHO Hydro	Valid	2024-01-24

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A	B	C	D	E
Data Dictionary Type	Attribute	Data Type	Registered in Registry	비고
1	Association	CarriageRequirement	Association	X
2	Association	DistributionDetails	Association	X
3	Association	DistributorContact	Association	X
4	Association	mappingBetweenProducts	Association	X
5	Association	PriceOfElement	Association	X
6	Association	PriceOfNauticalProduct	Association	X
7	Association	ProducerContact	Association	X
8	Association	ProductionDetails	Association	X
9	Association	ProductPackage	Association	X
10	(simple)Attribute	compressionFlag	boolean	X
11	(simple)Attribute	notForNavigation	boolean	X
12	Enum	AtoN Information	catalogueElementClassification	X
13	Enum	Bathymetric Chart	catalogueElementClassification	X
14	Enum	Catalogue Service	catalogueElementClassification	X
15	(simple)Attribute	catalogueElementClassification	catalogueElementClassification	X
16	Enum	ENC	catalogueElementClassification	X
17	Enum	Ice Information	catalogueElementClassification	X
18	Enum	MSI Service	catalogueElementClassification	X
19	Enum	Nautical Publication	catalogueElementClassification	X
20	Enum	Routing Information	catalogueElementClassification	X
21	Enum	Routing Service	catalogueElementClassification	X
22	Enum	Special Purpose Chart	catalogueElementClassification	X
23	Enum	Surface Current Product	catalogueElementClassification	X
24	Enum	Water Level Product	catalogueElementClassification	X
25	Enum	hydrographic office=17	categoryOfAuthority	X
26	Enum	RENC=18	categoryOfAuthority	X
27	Enum	VARs=19	categoryOfAuthority	X
28	Enum	customPaperSize	customPaperSize	X
29	complex Type	issueDate	Date	X
30	(simple)Attribute	issueTime	DateTime	X
31	(simple)Attribute	date	date	X
32	(simple)Attribute	expirationDate	date	X
33	(simple)Attribute	updateDate	date	X
34	complex Type	defaultLocale	defaultLocale	X
35	(simple)Attribute	distributionStatus	distributionStatus	X
36	Enum	production=1	distributionStatus	X
37	Enum	withdrawn=2	distributionStatus	X
38	Enum	Feature Type	Feature Type	X
39	Feature Type	CatalogueElement	Feature Type	X

Not registered in Registry



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- Action Item 9.5.1
 - S-128 Ed 1.2.0 was released at middle of February 2024
 - NIPWG member review is proceed until 8th March
 - Comments and updated part of S-100 Ed 5.2 will be applied to next S-128 Ed 2.0.0
 - S-128 Ed 2.0.0 will be proposed to HSSC16 before 8th April
- The NIPWG members are invited to:
 - Review the latest S-128 Ed 1.2.0 until the deadline (8th March)
 - Give feedback about S-128 new feature's definition after circulated