



KHOA

Nautical Information Provision Working Group (NIPWG)
21 - 24 March 2016 (IHB, Monaco)

ProdSpec – Catalogue of Nautical Products (S-I28)

Republic of Korea (KHOA)

Introduction / Background



- The NIPWGI discussed
 - a need for an S-I00 based product specification on catalogues of nautical products.
 - The NIPWG Chair suggested developing a new product specification at the HSSC7,
 - thus the HSSC assigned a number 'S-I28' to this product specification.

- This presentation outlines
 - the progress of discussion on S-I28 and
 - matters to be considered and
 - activities required by the NIPWG for developing S-I28

Progress of discussion on S-I28



- At the NIPWGI held in Monaco in mid-2015
 - the ROK suggested developing an S-100 based product specification on catalogues of nautical products.
 - the NIPWG agreed to propose developing a new product specification to the HSSC7
- The NIPWG Chair
 - participated in the HSSC7 held in Busan in November 2015 and
 - proposed developing a new product specification on catalogues of nautical products.
 - the HSSC assigned a number 'S-I28' to this product specification



Matters to be considered when developing S-I28

- S-I28
 - Product specification on exchanges of catalogues of nautical products
 - Need to clarify the definition of nautical products
- Nautical products
 - can be classified into NPI, NP2 and NP3 depending on types of production.
- If S-I28 were to include NP3 only
 - it could be used only when the development progress of S-XXX and production system for S-I00 based products of each hydrographic office were settled

Matters to be considered when developing S-128



● Use of nautical products

- there is still a need to exchange catalogues of nautical products including INT charts.
- Paper-based and S-100 based nautical products will very likely be used concurrently for a while as is the case with S-57 and S-101.

● Comprehensive concept

- it seems reasonable to design S-128 into a comprehensive structure which can apply all nautical products regardless of production types, not just limiting to NP3 and using it as a means of exchanging current catalogues of nautical products.
- It is also necessary to discuss at the NIPWG2 how S-128 can apply future S-10X products when they are developed.

Matters to be considered when developing S-I28



● Potential nautical products

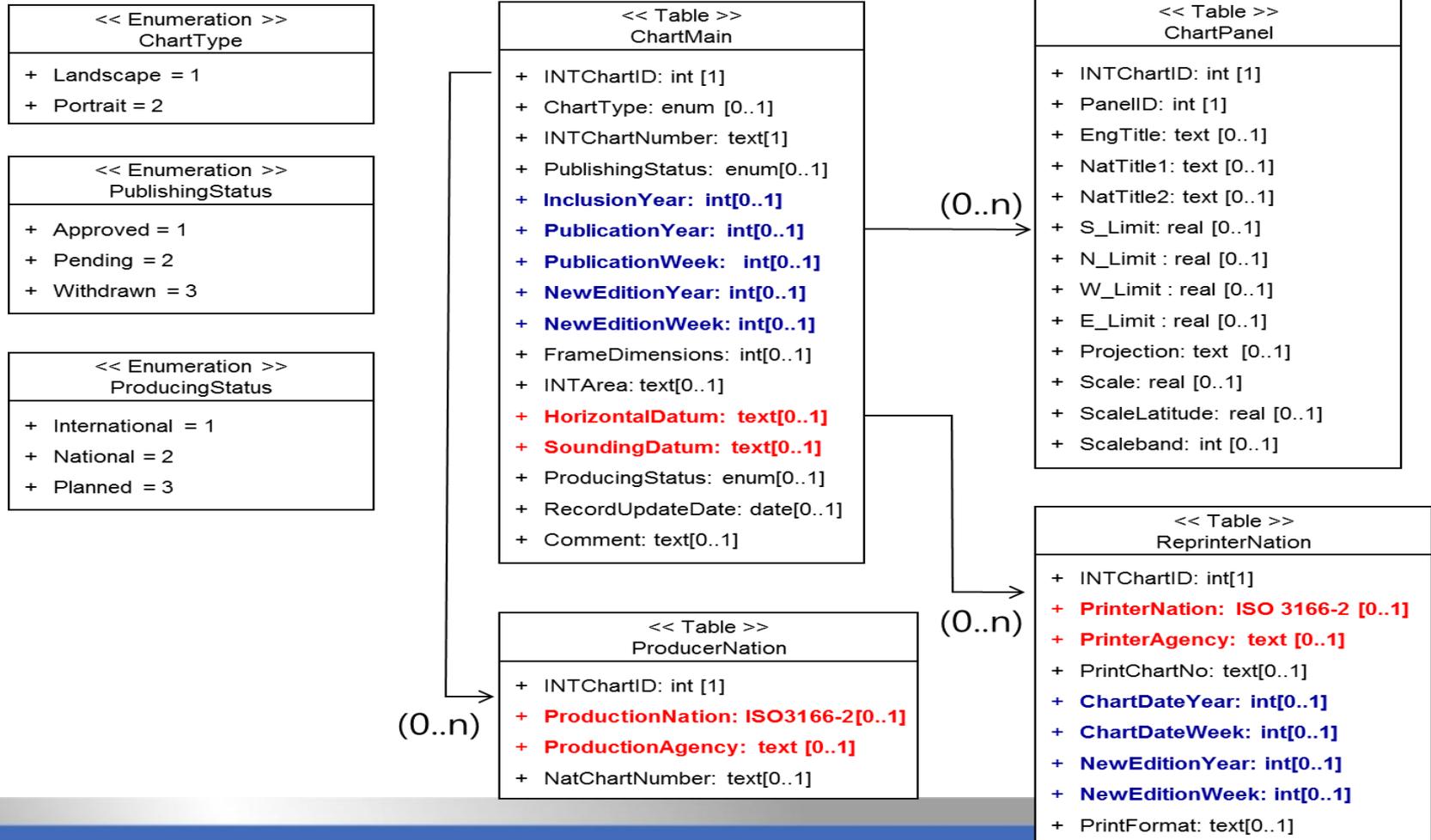
- can be included in S-I28
- can be considered, taking into account various nautical products, S-XXX, e-Navigation, etc.

Classification	Expectable nautical products
NP 1	Paper chart, ENC, Sailing direction, list of light, Tidal table, Tidal chart
NP 2	Digital List of Lights, Digital Radio Signals, TotalTide
NP 3	S-101, S-102, S-111, S-112, ... (http://www.iho.int/iho_pubs/standard/S-100_Index.htm)
e-Navigation	MSP(Maritime Service Portfolio) Services

Matters to be considered when developing S-I28



- INToGIS project, co-run by the IHB and the ROK, could be used as a reference



Activities required for S-I28



● S-I28

- aimed at exchanging catalogues of nautical products
- will be simpler and clearer than S-I2X developed by the NIPWG.
- activities are expected according to the procedure for developing S-XXX identified through S-I00 based specifications

<< Analysis of requirements for S-128 and setting the extent >>

- Review nautical products
- Analyse requirements for developing S-128
- Set the extent of S-128

<< S-128 establishing stage >>

- Create a sample source data (document) including all nautical products
- Establish and review the application schema
- Create a feature catalogue
- Create a portrayal catalogue
- Create a DCEG
- Create a product specification document

Activities required for S-I28



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- will be simpler and clearer than S-I2X developed by the NIPWG.
- activities are expected according to the procedure for developing S-XXX identified through S-I00 based specifications

<< S-128 validating stage >>

- Create a test procedure and scenario for validating S-128
- Create test data according to the application schema and the feature catalogue
- Validate S-128 data using S-100 testbed
- Write a brief report on the result of validation and revise S-128 as appropriate

<< S-128 review and approval stage >>

- NIPWG to review S-128

Activities required for S-I28



● The ROK

- identified various activities required for developing S-I28
- highly interested in developing it
- would like to do so in cooperation with NIPWG Member States
- wishes to take actions based on the discussion result from the NIPWG2
- will report the progress to the NIPWG3.

Action Required of NIPWG



- The NIPWG2 is invited to:
 - note the progress of discussion on S-I28.
 - provide recommendations on considerations for developing S-I28.