

**WP 2013-2017 PROPOSED TASKS (*work items*)**

(to reach the IHB < [info@ihb.mc](mailto:info@ihb.mc) >attention: HSSC Secretary

as soon as possible and no later than **16 September 2011**)

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.1	
Short title for task: Explore the process for the preparation of nautical publications in a digital format to the fullest extent possible using Marine Protected Areas.	
Any other amplifying comments (if required): High priority	
Year(s) of execution: 2012 – 2014	
Relevant Strategic Direction(s)*:	<i>* Strategic Directions: 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Product specification; Sample data; Data Classification and Encoding Guide; Dataset verification along the lines of S-58; Test data to support equivalence or type approval along the lines of S-64; Data update system.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): Complete all steps for Marine Protected Areas	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.2	
Short title for task: Define the process for the creation of digital nautical publication products.	
Any other amplifying comments (if required): High priority	
Year(s) of execution: 2012 - 2014	
Relevant Strategic Direction(s)*:	<u>* Strategic Directions:</u> <i>2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Outline showing required documents and steps required to achieve compliance.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): 2012 Document outline 2013 1 <sup>st</sup> Draft 2014 HSSC approval	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.3	
Short title for task: Liaise with IEC on ECDIS performance standard (IEC 61174) with the intention of including standards for the display and use of nautical information in ECDIS.	
Any other amplifying comments (if required): High priority	
Year(s) of execution: 2013 - 2017	
Relevant Strategic Direction(s)*:	<u>* Strategic Directions:</u> <i>2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Input to updated performance standard	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): 2013 Raise issue with IEC; understand process 2015 Submit draft proposals 2017 HSSC approval for submission to IEC	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.4	
Short title for task: Extend the nautical publications data model.	
Any other amplifying comments (if required): High priority	
Year(s) of execution: 2012 - 2017	
Relevant Strategic Direction(s)*:	<i>* Strategic Directions: 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Expanded NPUBS register in IHO geospatial registry.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): Valid items in NPUBs Register when required	

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WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.5	
Short title for task: Develop a “rule language” to extend S-100 with better models of government regulations and related information. This will allow the key parts of Regulations to be applied to the present route in an ECDIS or to influence selection of a future route.	
Any other amplifying comments (if required): High priority	
Year(s) of execution: 2013 - 2015	
Relevant Strategic Direction(s)*:	<i>* Strategic Directions: 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Rule catalogue	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): 2012 Propose initial rules 2013 Draft rules catalogue 2014 HSSC approval	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.6	
Short title for task: Produce, or assist in the production of further product specifications as directed or considered useful to improve safety of navigation, such as the Digital Mariners Routeing Guide initiated by EU BLAST project.	
Any other amplifying comments (if required): Medium priority	
Year(s) of execution: 2013 - 2017	
Relevant Strategic Direction(s)*:	<i>* Strategic Directions: 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Product specifications	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): Produce application schema Product specification in draft Produce feature catalogue HSSC approval	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.7	
Short title for task: Give consideration to the use of multi-media, beyond words, diagrams and photographs, in digital nautical publications such as but not limited to audio, video and 3D models.	
Any other amplifying comments (if required): Medium priority	
Year(s) of execution: 2014 - 2016	
Relevant Strategic Direction(s)*:	<i>* <u>Strategic Directions:</u> 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Guidance for use in the production of product specifications.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): 2014 Presentation of issues 2015 Draft guidance 2016 HSSC approval	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.8	
Short title for task: Maintain a close liaison with IALA in particular with e-Navigation project.	
Any other amplifying comments (if required): Medium priority	
Year(s) of execution: 2012 - 2017	
Relevant Strategic Direction(s)*:	<i>* Strategic Directions: 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: IHO NPUBS data model is compatible with IALA requirements.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): Valid items in NPUBS register when required Portrayal catalogue developed for information which is not included in S-101	



Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.9	
Short title for task: Contribute to the development of a test ECS to consume, display and use the full range of nautical information.	
Any other amplifying comments (if required): Medium priority	
Year(s) of execution: 2013 – 2016	
Relevant Strategic Direction(s)*:	<u>* Strategic Directions:</u> <i>2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Specification for consultancy to outline the requirements for a test bed ECS capable of displaying and logical decision making based on data from multiple nautical information products in association with ENCs.	
Estimated resources required from IHB budget: €30,000	
Potential performance indicator(s): Statement of work for NPUBs Provision of test data Provision of test cases	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.10	
Short title for task: Consider how the NPUBS model could allow for “just-in-time” ingestion and integration of volatile external data such as ice conditions or water level from a web service.	
Any other amplifying comments (if required): Medium priority	
Year(s) of execution: 2014 - 2016	
Relevant Strategic Direction(s)*:	<i>* <u>Strategic Directions:</u> 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Specification for the structure of volatile nautical information supplied via web services for consumption ashore and at sea.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): 2014 Presentation of issues 2015 Draft proposals 2016 HSSC approval	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.11	
Short title for task: Examine S-101 support for multi-language datasets (more than English plus a “national language”) and review if sufficient for data derived from nautical publications.	
Any other amplifying comments (if required): Low priority	
Year(s) of execution: 2015 - 2017	
Relevant Strategic Direction(s)*:	<i>* Strategic Directions: 2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Guidance for use in product specifications	
Estimated resources required from IHB budget:	
Potential performance indicator(s): 2015 Examine S-101 2016 Present issues 2017 Propose extensions if required	

Submitted by: SNPWG	
WP Element number:	2.10
Relevant <i>element</i> Objective: To develop guidelines for the preparation of nautical publications, in a digital format compatible with ECDIS.	
Task identification number: 2.10.12	
Short title for task: Participate in GML 4.0 development, for instance to facilitate data updating.	
Any other amplifying comments (if required): Low priority	
Year(s) of execution: 2012 - 2014	
Relevant Strategic Direction(s)*:	<u>* Strategic Directions:</u> <i>2. Facilitate global coverage and use of official hydrographic data, products and services</i>
Brief description of the associated deliverables: Efficient updating regime for products in GML.	
Estimated resources required from IHB budget: Nil	
Potential performance indicator(s): 2012 Register interest with OGC 2013 Take part in development of standard 2014 Test IHO datasets with revised standard	