

# **NATO GMWG report to HSSC 7**

**Edward Hosken, UKHO**

**On Behalf of Tom Richardson, UKHO Defence Standards Manager**

# NATO GMWG

HSSC7-07.13B



1. The Geospatial Maritime Working Group (GMWG) is the NATO body responsible for the development and maintenance of the Additional Military Layers (AML) series of product specifications.
2. As a natural successor to S-57 AML product specifications, GMWG plans to develop new product specifications based on S-100. An indicative summary is provided on the next slide.
3. This will require the registration of items for use within feature and portrayal catalogues. To support this, a Domain for specific AML content is requested (Recommendation a)
4. In due course GMWG will register product specification identifiers, in accordance with S-99 Part 5. The current intent is to use the prefix AML+ as part of the identifier.

# S-100 AML Developments

S-57 Generation AML Product Specifications			S-100 Generation		Comment	
S-57		ENC	Electronic Navigational Chart	S-101	ENC	Builds on S-101 and AML 3.0
	AML	LBO	Large Bottom Objects	AML+-XXX	Maritime Vector Layers	
	AML	RAL	Routes Areas and Limits			
	AML	CLB	Contour Line Bathymetry			
	AML	SBO	Small Bottom Objects			
	AML	ESB	Environment Seabed & Beach			
	AML	MFF	Maritime Foundation Facilities			
AML	ESB Ice	Environment Seabed & Beach	S-411	Sea Ice		
Gridded	AML	NMB	Network Model Bathymetry	S-102	Bathymetric Surface	Awaits version 2.0.0
	AML	IWC	Physical properties	AML+-XXX	TBC	
	AML	IWC	Ocean currents	AML+-XXX	TBC	
	AML	IWC	Marine mammals	AML+-XXX	TBC	
	AML	GS-ESB	Gridded Sediment - Environment Seabed & Beach	AML+-XXX	TBC	

**This table provides a summary of currently envisaged S-100 based AML product specifications. Where suitable, IHO specifications will be adopted or extended.**

## Key

	Potential NATO Adoption of IHO PS
	NATO PS in development
	Potential NATO PS

# Recommendations

- a. Establish a Domain for AML within the IHO GI Registry (see detailed proposal in Annex A)**
- b. Note the use of S-100 by NATO GMWG and consider GMWG as a stakeholder in the evolution of S-100.**