

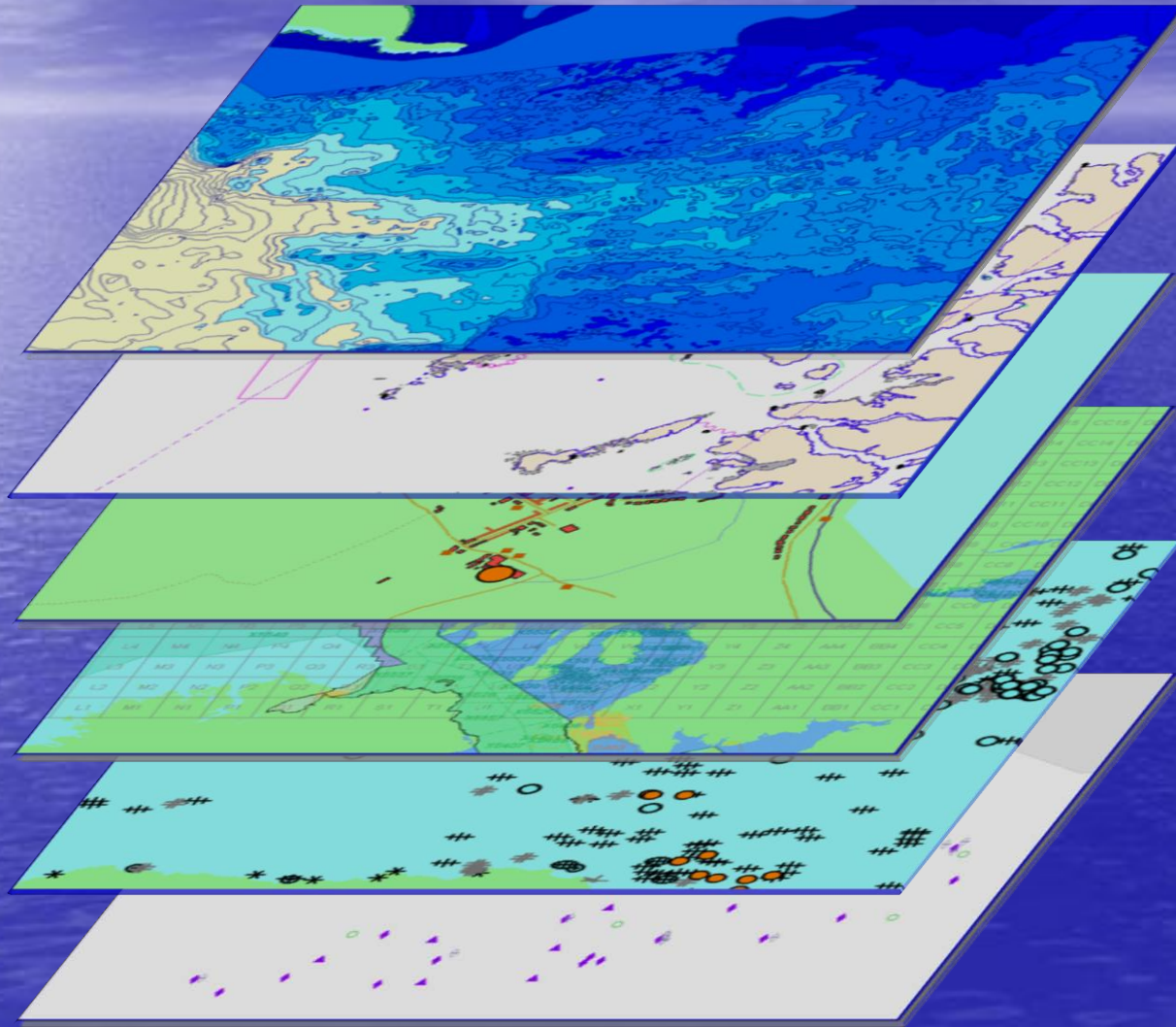
AML

Additional Military Layers



Ellen Vos, RNLN
GMWG Member

Additional Military Layers



What is AML?

AML (Additional Military Layers) is a NATO standard ratified under STANAG 7170 and **is defined as** *“...a unified range of digital geospatial data products designed to satisfy the totality of NATO non navigational maritime defence requirements”*

AML Products

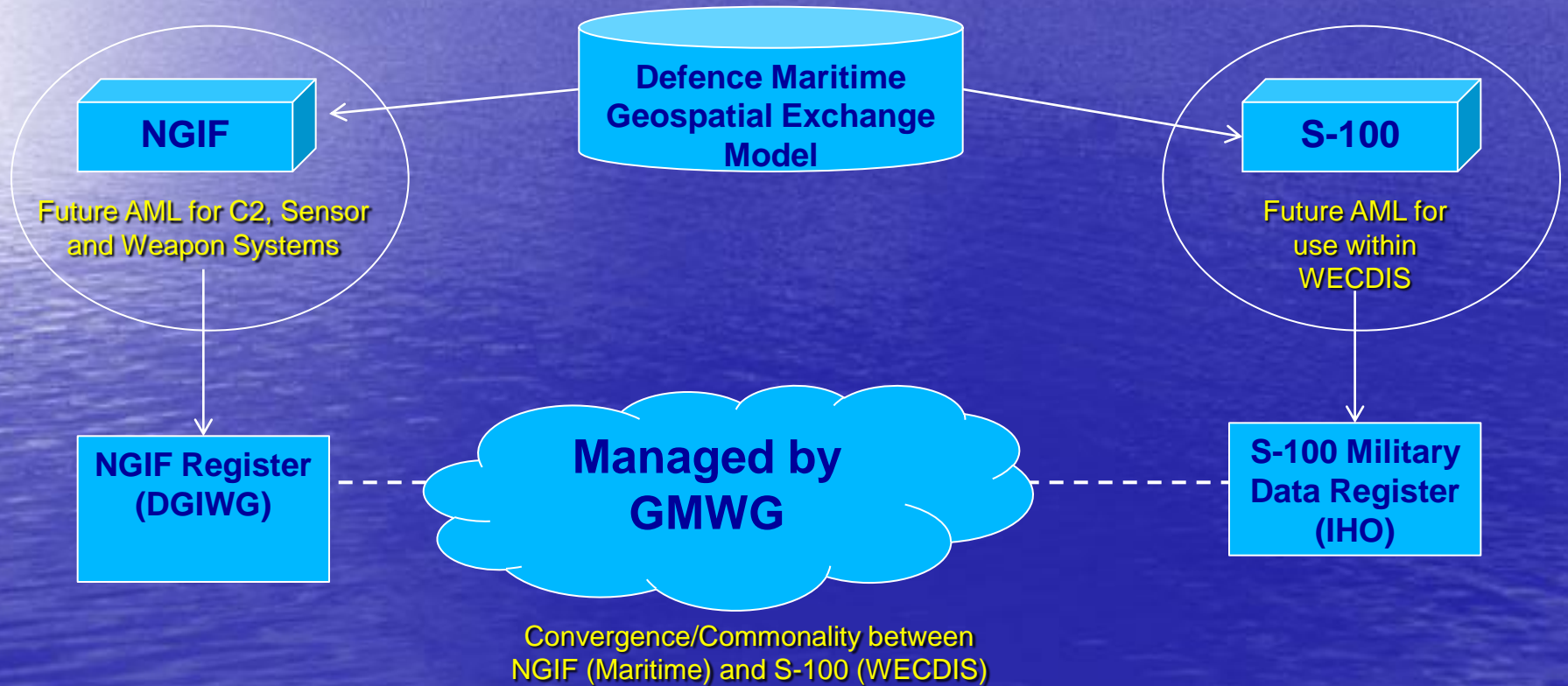
- 6 Types of AML (Vector):
 - CLB – Contour Line Bathymetry
 - LBO – Large Bottom Objects
 - ESB – Environment, Seabed & Beach
 - MFF – Maritime Foundation & Facilities
 - SBO – Small Bottom Objects
 - RAL – Routes, Areas and Limits
- 3 Other Types of AML (Gridded):
 - AMC - Atmospheric and Meteorological Climatology
 - GS-ESB - Gridded Sediment Environment Seabed and Beach
 - IWC - Integrated Water Column

Who maintains AML?

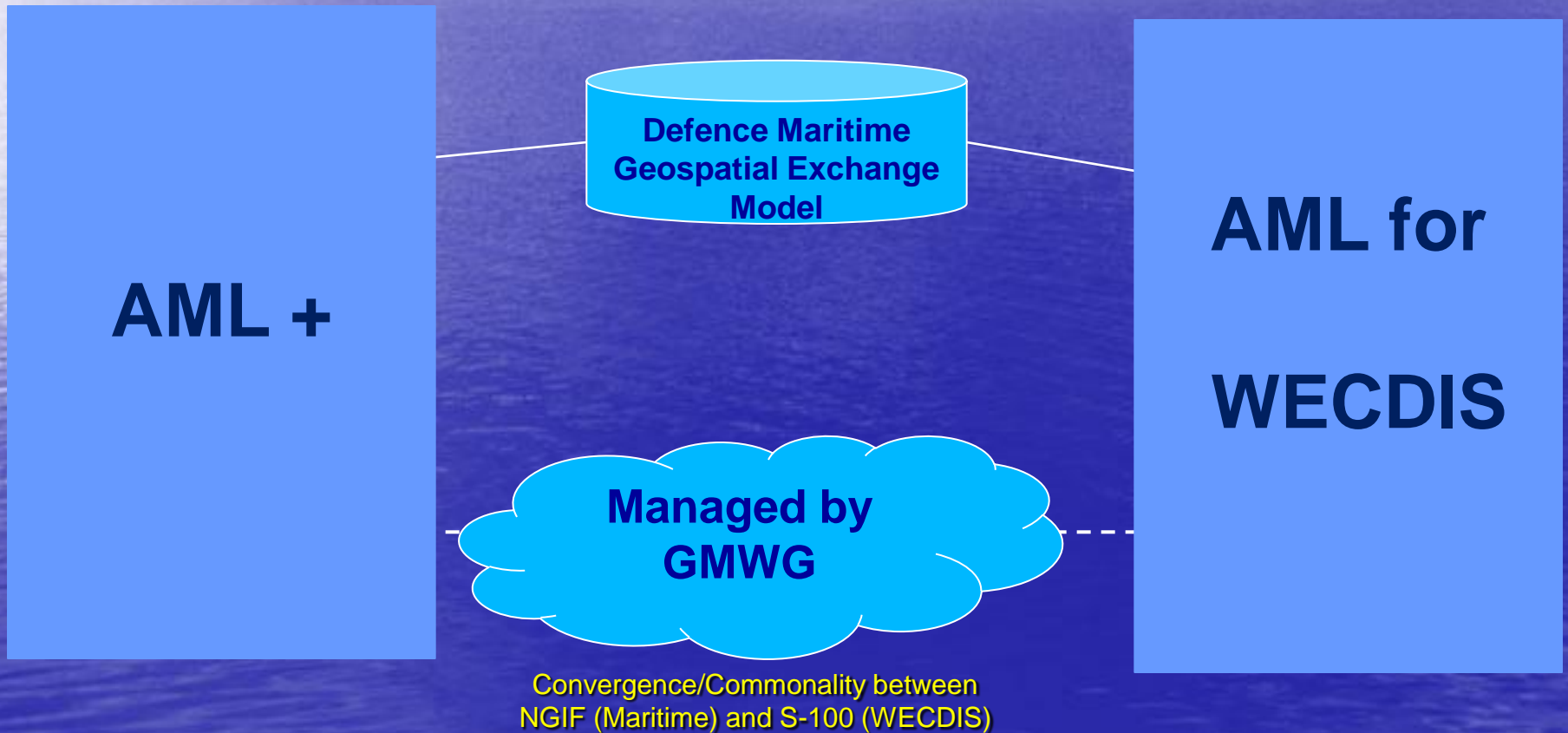
Geospatial Maritime WG Technical Panel



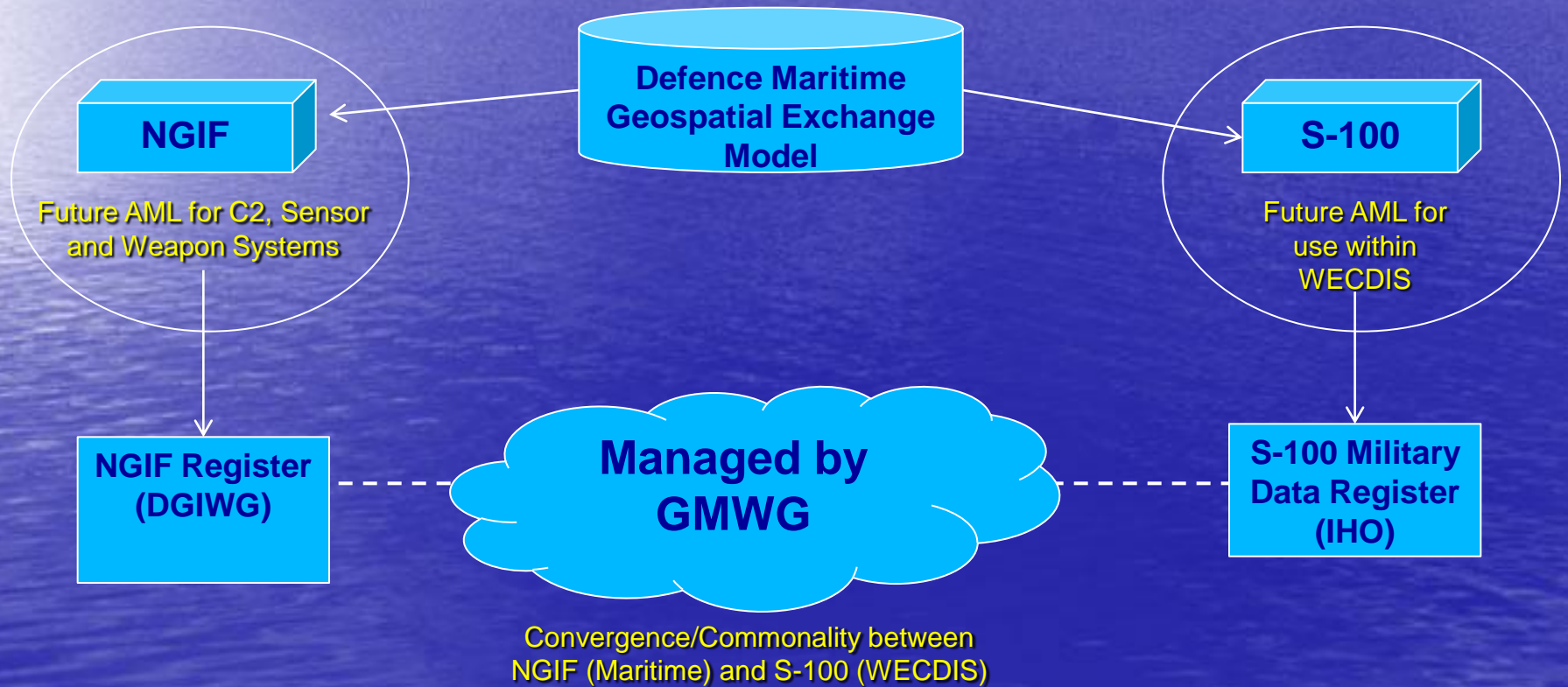
Future AML



Future AML



Future AML



Future AML

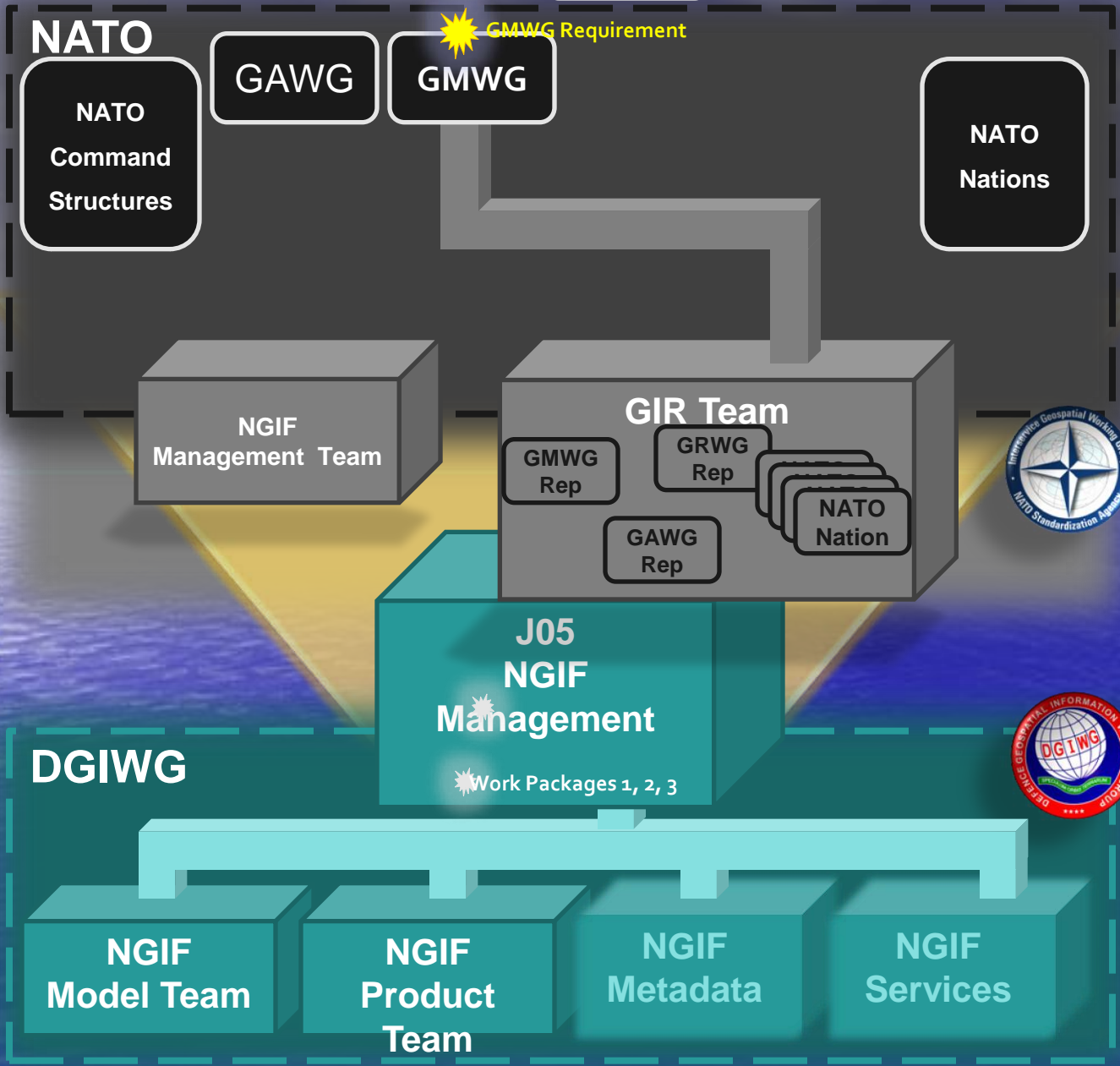


Main issue: interoperability



GMWGW > DGIWGW

GRWG



Domain's Requirement

Evaluate, Harmonize & Prepare Requirement

Technical Evaluation, Project Management, Resourcing Tasking

Requirement Processing, Engineering



Requirements Gathering

- 1. AML v3 Review**
- 2. S-100/Requirements GAP Analysis**
- 3. Define User Requirements**

Aim: Increase Cooperation

- Reporting (this brief and also White Paper)
- Re-use standardisation efforts
- Cooperate on common issues

Ultimate Goal: Interoperability

IHO Work Items

Work Item	Overlap	IHO POC
Revision of S-58 and S-64	N/A	Tom Richardson, UKHO
S-101 Future ENC PS Development	Evolution of future ENC may impact NGIF and AML.	Julia Powell, US NOAA
S-100 Portrayal	Both NATO and IHO are developing portrayal registers and 'services'.	Tom Mellor, UKHO
S-100 GML Profile	DGIWG A13	Tom Richardson, UKHO

Interested? Possible Routes

- GMWVG representative
- DGIWVG participation

Mail Secretary GMWVG Steve Windsor :

Steve.windsor@ukho.gov.uk

Welcome!



WECDIS Capability Team POC

Lt Cdr Rob Crabbe RN

DESTTECH-EGMaritime-
NAV@mod.uk