



Hydrographic Services and Standards Committee

E-Navigation developments

Restructuring of the IHO GI Registry

Doc. HSSC5-07.1B

(Germany)

Background

- ✦ IMO e-navigation concept
 - Common Maritime Data Structure
 - Based on S-100 data model



Mayor themes proposed by the CG to NAV59 for implementation

1. Improved, harmonized and user-friendly bridge design;

2. Means for standardized and automated reporting;

3. Improved reliability, resilience and integrity of bridge equipment and navigation information;

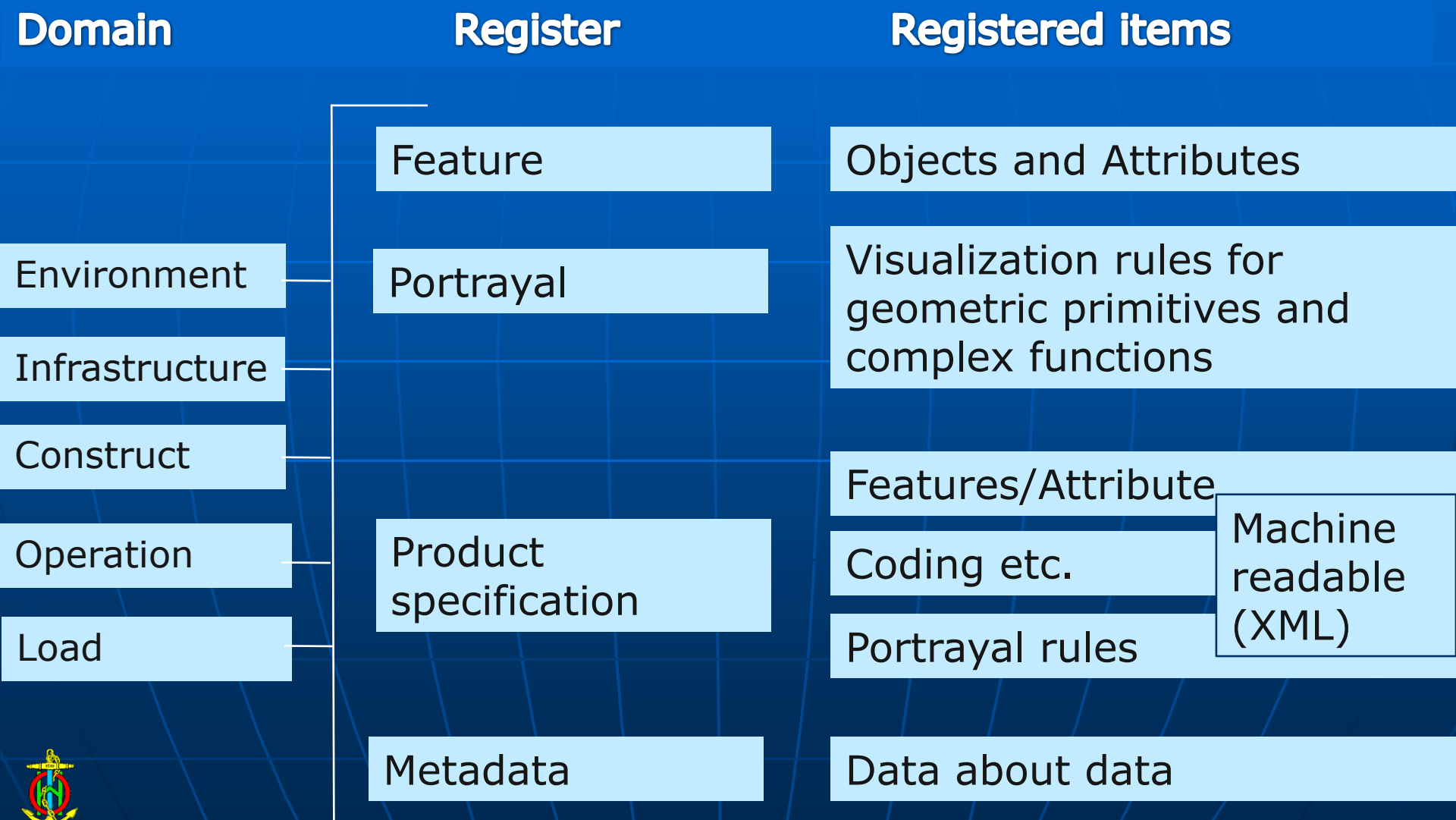
4. Integration and presentation of available information in graphical displays received via communication equipment;

5. Improved Communication of Vessel Traffic Service Portfolio;

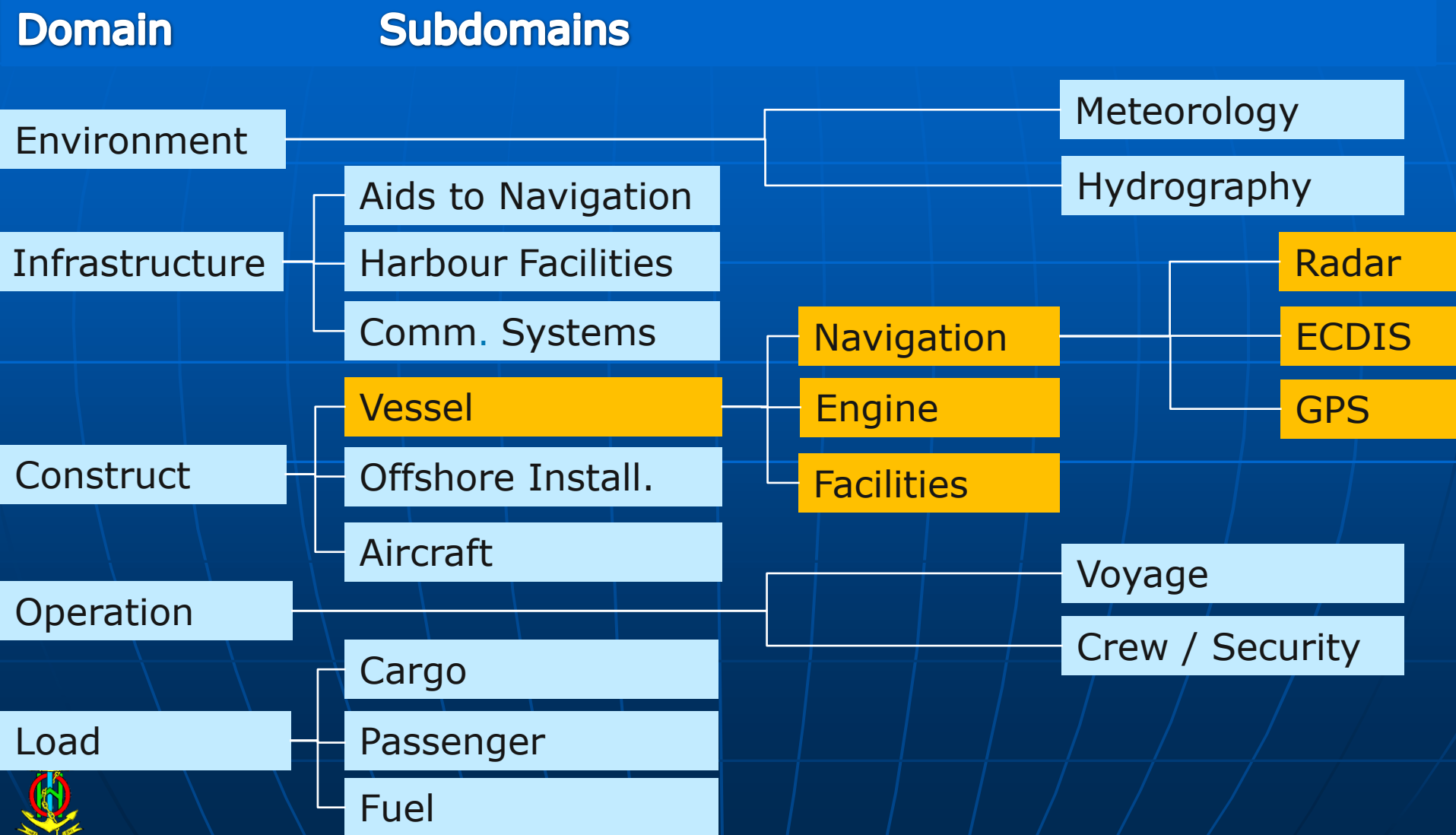
Common Maritime Data Structure (CMDS)



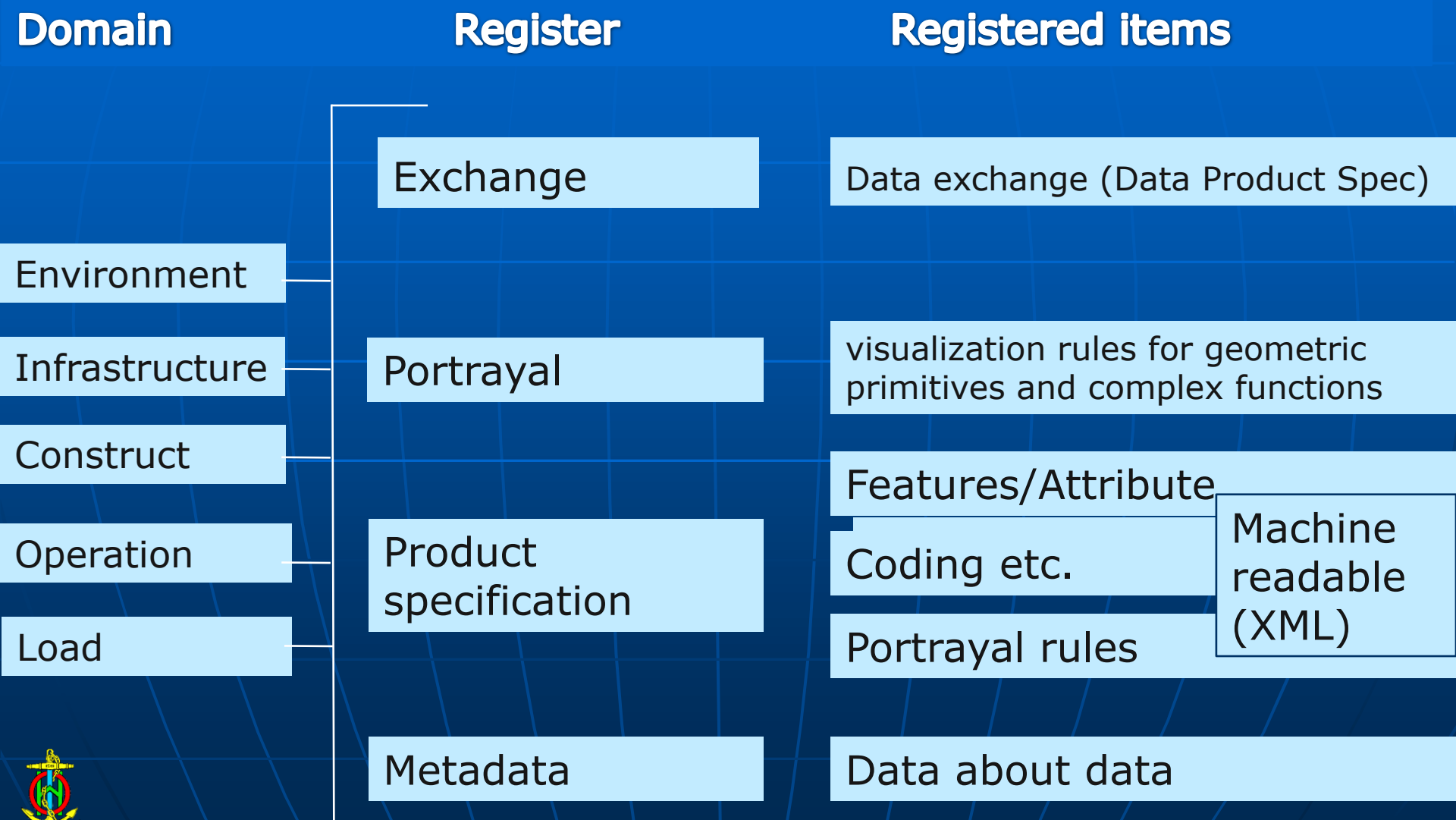
IHO GI Registry towards IMO MI Registry



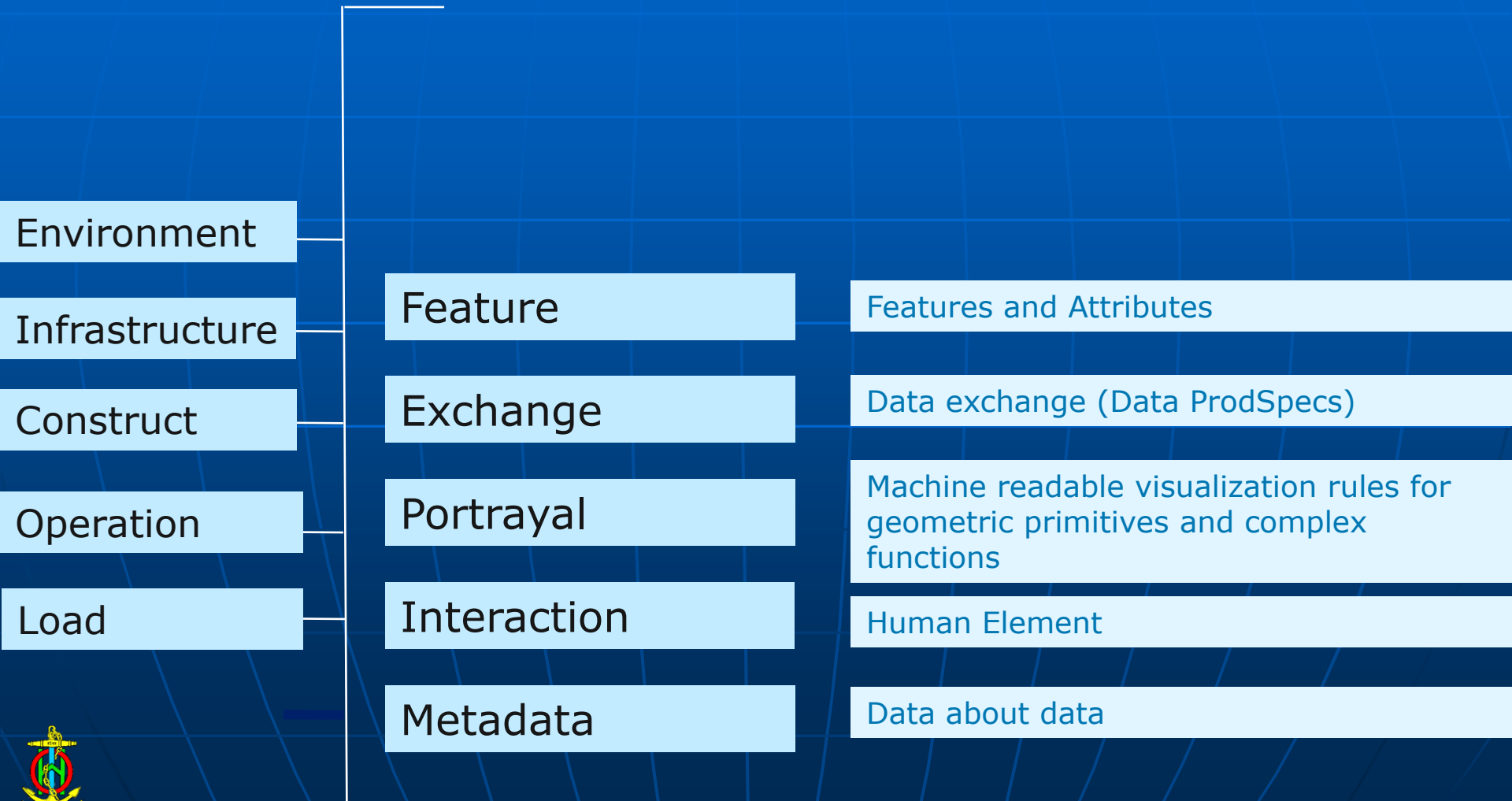
IHO GI Registry towards IMO MI Registry



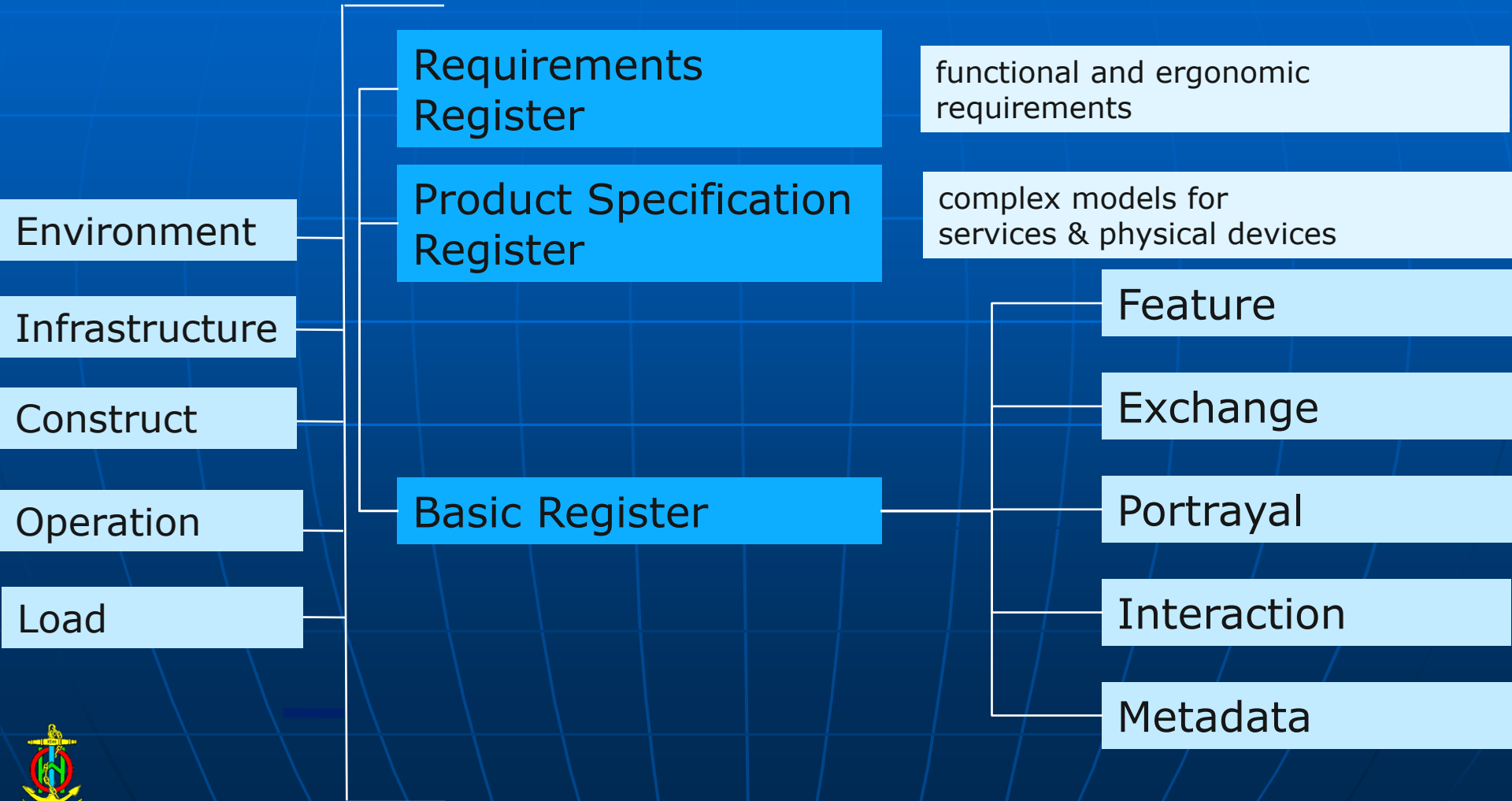
IHO GI Registry towards IMO MI Registry



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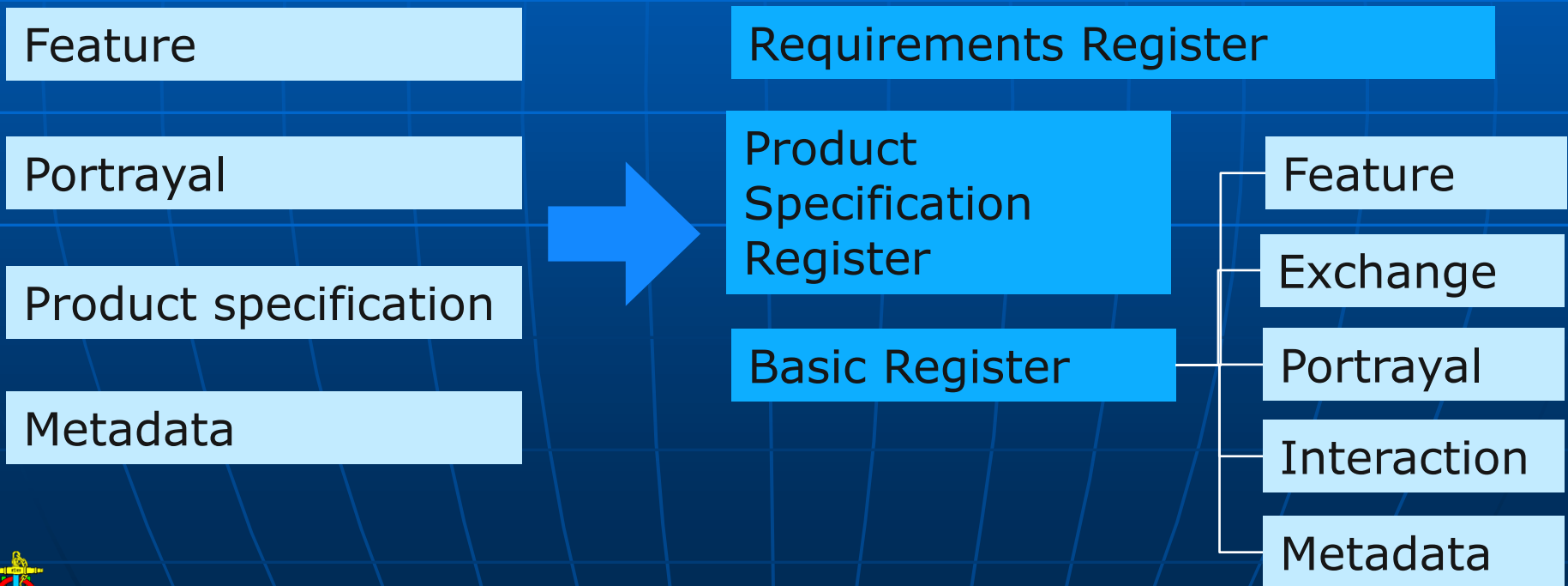
IHO GI Registry towards IMO MI Registry

- ✦ Enhance and redefine the register classes
 - to incorporate interaction between system elements and the human element aiming to closer collaboration between land and sea



IHO GI Registry towards IMO MI registry

✦ The transformation



IHO GI Registry towards IMO MI Registry

- ✦ Prerequisite
 - Persistent unique identifier



Conclusions

- ✦ Academic exercise at this stage
- ✦ Potential input to an IMO conducted process to setup a common data infrastructure within the e-navigation concept

- ✦ Action
 - HSSC is invite to note for further consideration of the e-navigation developement

