



# 16<sup>th</sup> Meeting of the Hydrographic Services and Standards Committee

## Data Dissemination issues related to e-navigation

### Agenda Item 7.1C

HSSC-16, Tokyo, Japan, 27 – 31 May 2024



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# DATA DISSEMINATION

International  
Hydrographic  
Organization

S-100 World implemented or recognised by (in alphabetic order)

- IALA
- ICPC
- IEC
- IHO
- IMO
- ISO
- CIRM
- NATO
- RTCM
- WMO

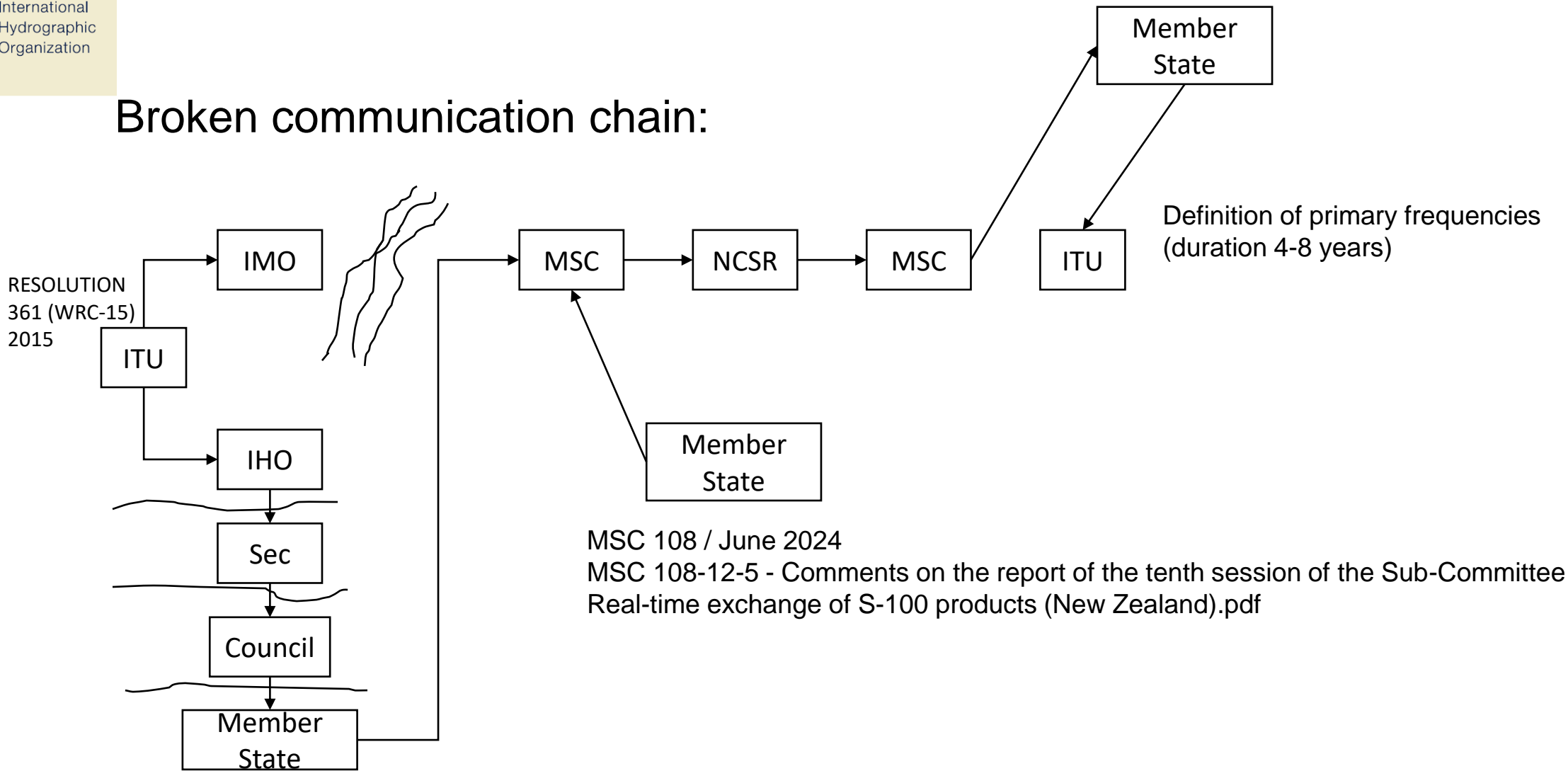


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# DATA DISSEMINATION

International Hydrographic Organization

## Broken communication chain:





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## Potential real-time or near real-time S-100 products and related Maritime Services in context of e-navigation:

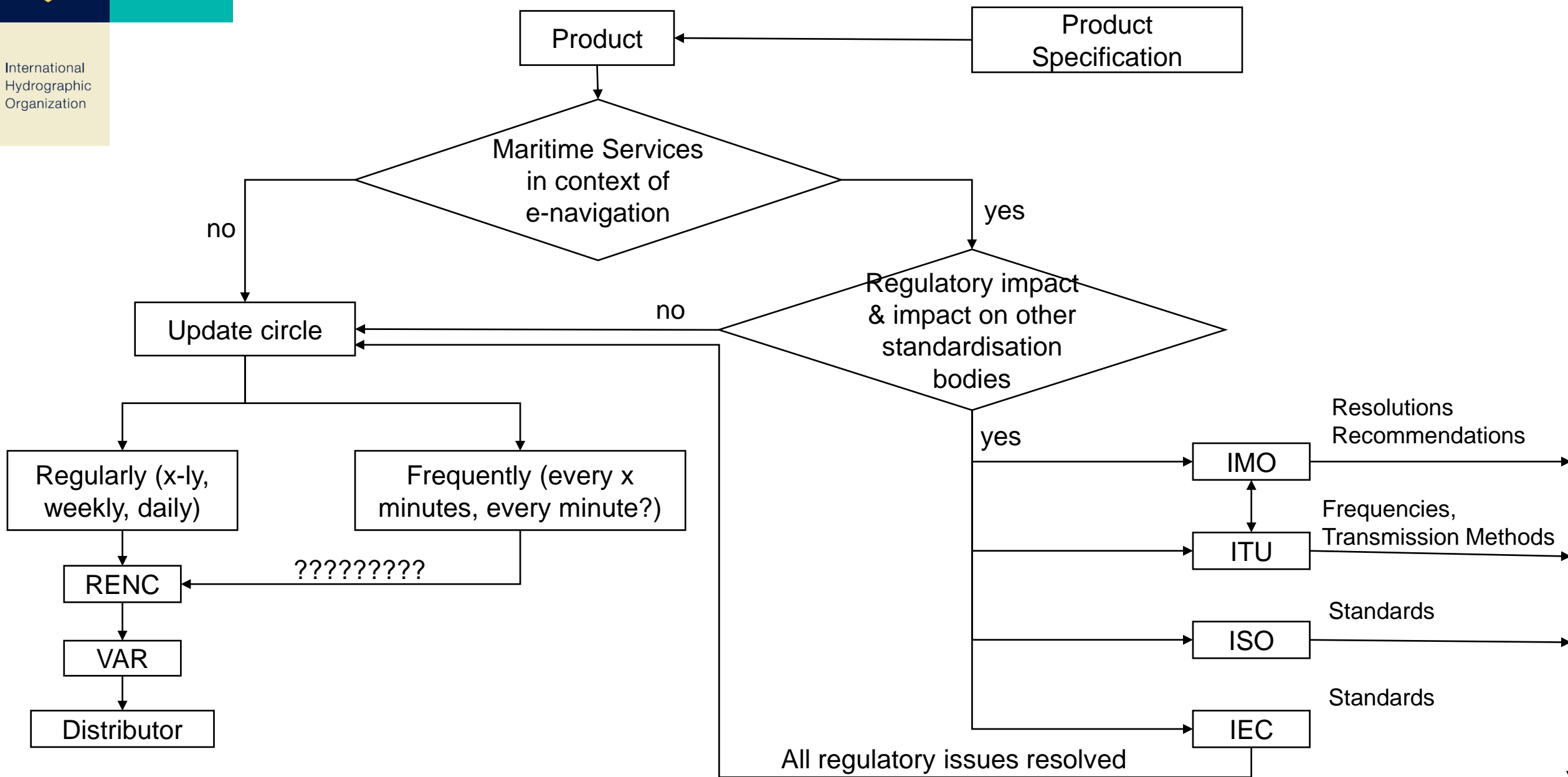
S-100 Products	Maritime Services in context of e-navigation (MSC.1/Circ.16)
S-102 (Bathymetric Surface)	MS 11 – Nautical chart service
S-104 (Water Level Information for Surface Navigation)	MS 15 – Real-time hydrographic and environmental information services
S-111 (Surface Currents)	MS 15 – Real-time hydrographic and environmental information services
S-124 (Navigational Warnings)	MS 5 – MSI dissemination
S-129 (Under Keel Clearance Management (UKCM))	Possibly MS 15



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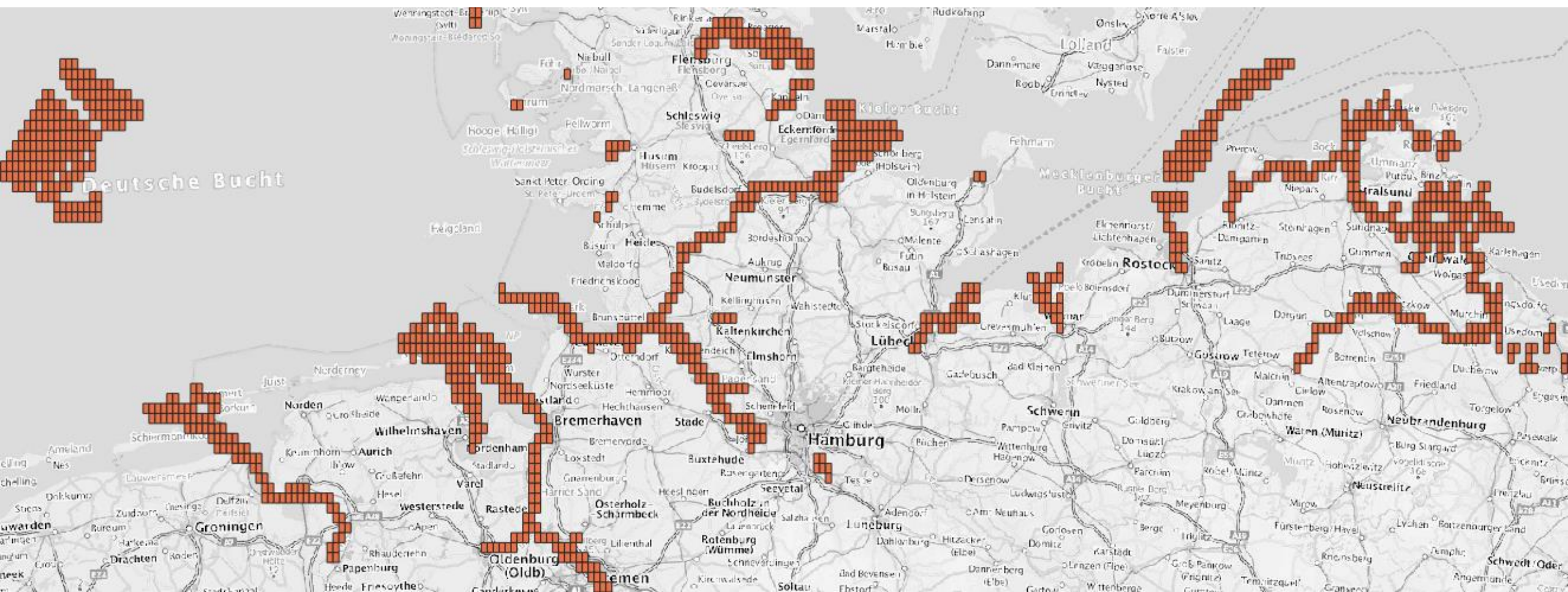


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Example: German S-102 Data, 1192 cells, 1.86 GB (as from 19 April 2024, and counting)





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## Open questions:

- Should real time products processed through RENCs/VARs/etc.?
- What is the threshold to determine when product distribution is considered real-time?
- At which prod spec development maturity level should the assessment be initiated?
- Which IHO body is responsible to initiate the process?
- Is it necessary to inform other prod spec developers (IALA, NATO, WMO, ICPC, RTCM)?
- Offers the Maritime Connectivity Platform (MCP) a suitable alternative distribution solution?



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# **ACTIONS REQUESTED FROM HSSC**

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The HSSC is invited to :

1. Note the paper,
2. Consider the potential issues,
3. Consider stronger tracking of regulatory requirements affecting IHO standard implementation in relation to carriage requirements and spectrum.