



S-124PT update

and all the trouble we got into since WNWWS15

Valparaiso, Chile 2 - 6 September 2024



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INTERACTIONS WITH OTHER IHO BODIES

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1. S-100WG8 outcomes

1. Dataset handing clarifications (S-100WG8-6.16)
2. Recommended that S-124 In-force list options should include
 1. Metadata option
 2. Service option
 3. S-128 option
3. Connection between S-124 and S-125 discussed (S100WG8-8)

2. S-100TSM8 outcomes

1. S-158 modus operandi defined, see WWNWS16 6.6



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3. HSSC16 outcomes

1. S-124 progress report and S-124 impact study submitted (HSSC16-07.1B)
2. German paper on S-124 Dissemination questions (HSSC16-07.1C Rev1)
 1. c. Consider informing IMO and ITU if further demands on MSI provision by S-124 (and potentially S-411 to S414) are not covered in current ITU Radio Regulations and SOLAS IV and SOLAS V, and that possible incorporation should be addressed at the earliest possible opportunity.
 2. d. Consider potential impacts on S-104 and S-111 (MS 15 – Real-time hydrographic and environmental information services) provision in relation to carriage requirements and spectrum needs.
3. Canadian S-124 service compatible with SECOM and MCP demoed



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3. HSSC16 outcomes continued

3. Paper resulted in this action;
4. HSSC tasked NIPWG (lead)/S100WG in **liaison with WWNWS** to consider the open questions raised by Germany on this matter and to recommend a way forward at their next meeting and invited Germany to consider the possibility of inviting additional experts (IMO, ITU...) present at this meeting.
4. NIPWG presented the ENDS Tree which help visualize the connection between IMO Maritime Services, SOLAS V and S-100 Product Specification

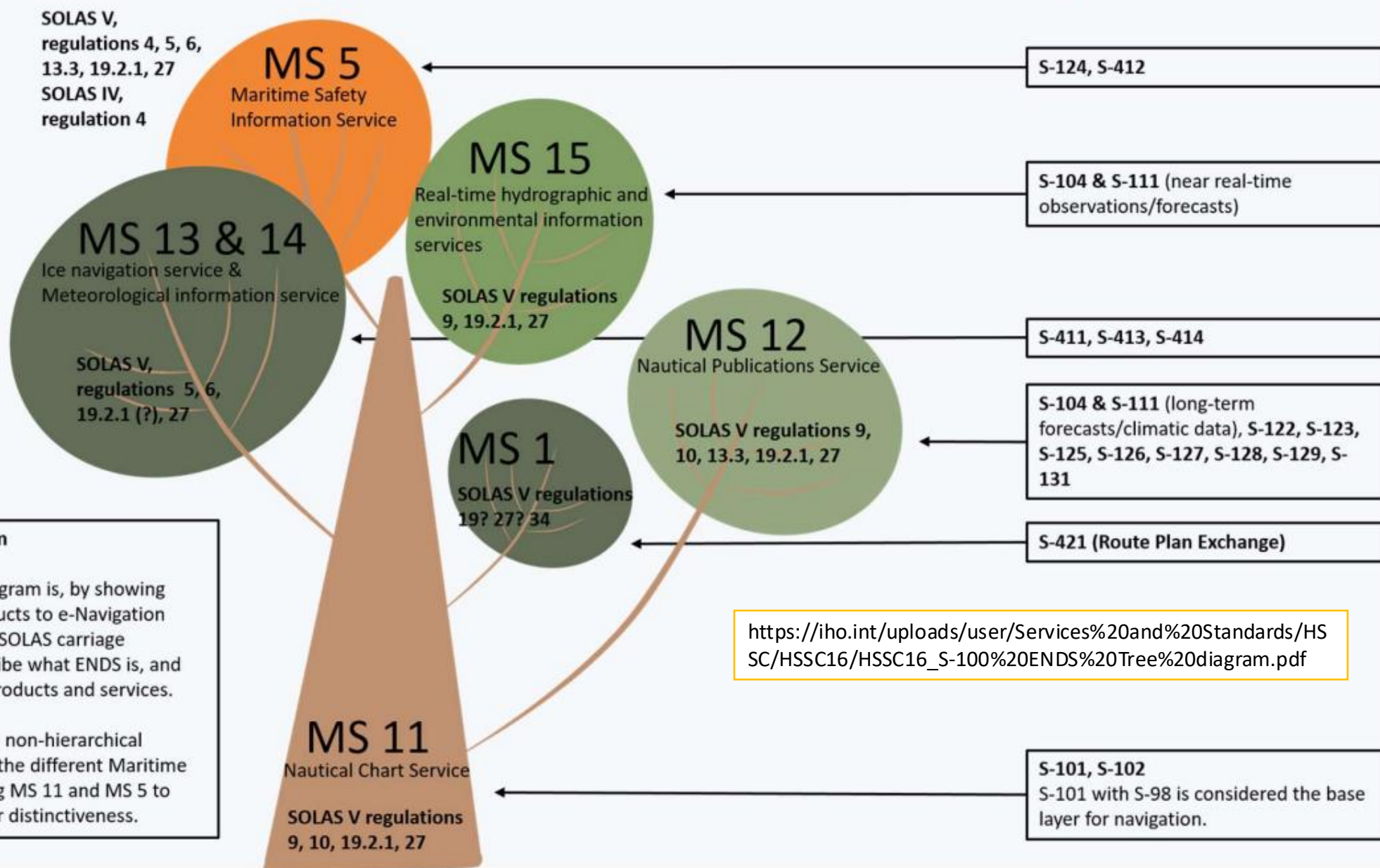
WHAT
WENT THE OPEN
QUESTIONS?



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ENDS Tree Diagram - S-100 relation to IMO e-navigation and SOLAS



The ENDS Tree Diagram

The purpose of this diagram is, by showing how to link S-100 products to e-Navigation Maritime Services and SOLAS carriage requirements, to describe what ENDS is, and also to classify S-100 products and services.

The diagram shows the non-hierarchical relationships between the different Maritime Services, while allowing MS 11 and MS 5 to graphically convey their distinctiveness.



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IMO DEVELOPMENTS RELEVANT TO S-124

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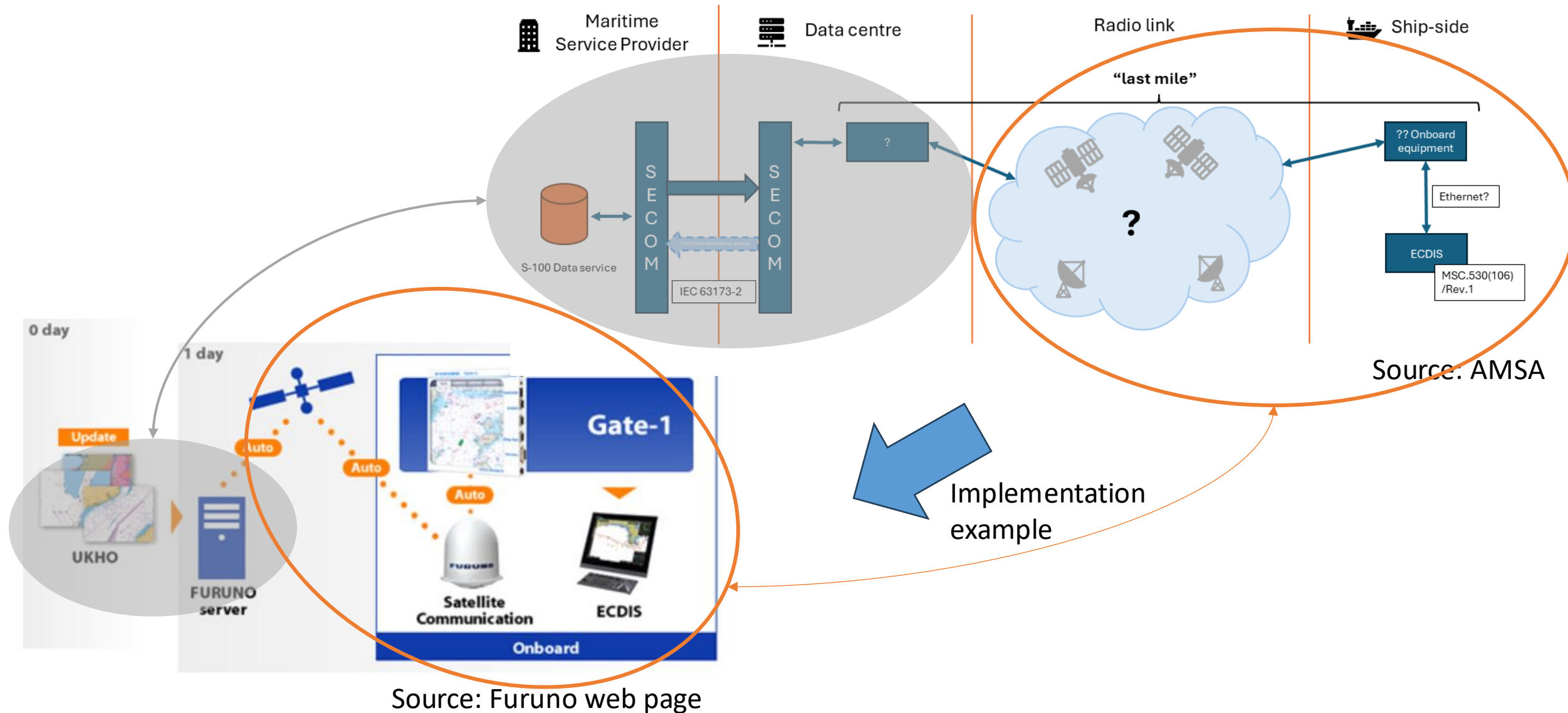
1. MSC108

1. Revised ECDIS Performance Standard approved.
 - IEC 63173-2 (SECOM) added for route exchange
2. New Zealand comment paper asking about other S-100 services

2. NCSR11

1. MSC forwarded New Zealand comment paper on S-100 services the Revised ECDIS Performance Standard approved.
2. NCSR invited interested parties to submit an input to MSC109

High level SECOM distribution





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France proposed 14 new NAVWARN details to be added;

SHOM comment; 'plan to remove temporarily the AtoN, then their re-establishment should be added.'

| | | |
|---------------------------------|---------------------------------|----------------------------------|
| buoy re-establishment | light re-establishment | beacon re-establishment |
| audible signal re-establishment | fog signal re-establishment | AIS transmitter re-establishment |
| V-AIS re-establishment | RACON re-establishment | RAMARK re-establishment |
| DGPS station re-establishment | EGNOS station re-establishment | LORAN C station re-establishment |
| eLORAN station re-establishment | Chayka station re-establishment | SPACE WEATHER |

2.2 -
ADDITIONS

NAVWARN details has the 'AtoN operating properly' value that was intended as a blanket end of incident value. Comment was validated with the sub-group that worked on the NAVWARN details, and no comments were received. The French proposal should therefore be accepted.

2.0.0 or future version? (it takes 60 days to clear the GI Registry process)

CHINA PAPER?

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1. Ed 1.5 development

- Canada funding FC, PC and schema updates. Work done by Teledyne Geospatial.
- United Kingdom funded an in-depth review of Ed. 1.0. Work done by IIC Technologies.
 - Lots and lots of comments
 - Much were recommendations of moving more details out and simply referencing S-100.
 - Link to S-98 development work lead by IIC.
- Comments from Australia, Canada, Finland, France included
- Camel case issues discovered, chair and Germany working on resolution
- Portrayal components submitted to GI Registry by Germany
- Review was commenced June 28 to July 26 (4 weeks)

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1. 2.0.0 development

- All 1.5 comments adjudicated (only France commented, informal comments received by Sweden in last few weeks)
- Comment from France that metadata should require a bounding box, optional in 1.5.0. Impacts include all types of messages, such as in force bulletin and traditionally non-geolocated messages.
- Data model aligned with GI Registry
 - Challenge to remain aligned as the GI Registry doesn't have function to know all PS where concept is used and relies on human intervention. Should improve over time with increased use of Feature Catalogue Builder.
- Some details being developed around options for in-force lists
- FC, PC and GML schema work needs to be completed but awaiting the resolution of the CamelCase issues and GI Registry processing
- HSSC want the PS 1st half of September. How to send the PS to HSSC? Can WWNWS SC endorse the work, even in its unfinished state?

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1. Data Capture and Encoding Guide way ahead

- Annex A to S-124 PS, but...
 - Including it in the PS means any change needs to follow IHO Res 2/2007
 - Any change may necessitate versioning updates to all S-124 documents

2. Testing regime defined by sub-group may benefit from regular VTC meetings to allow member states and industry to talk about implementation experience.

- May take on the role of portrayal and S-98 focal point
- SECOM and MCP development updates should be added
- Regular meetings may be needed every 6 months?



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S-124PT FUTURE

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- 1. With S-124 2.0.0 and additional working groups, is there a further need for a Project team?**

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Thanks!

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