



**NAVELINK**

# Developer forum

24-10-2024

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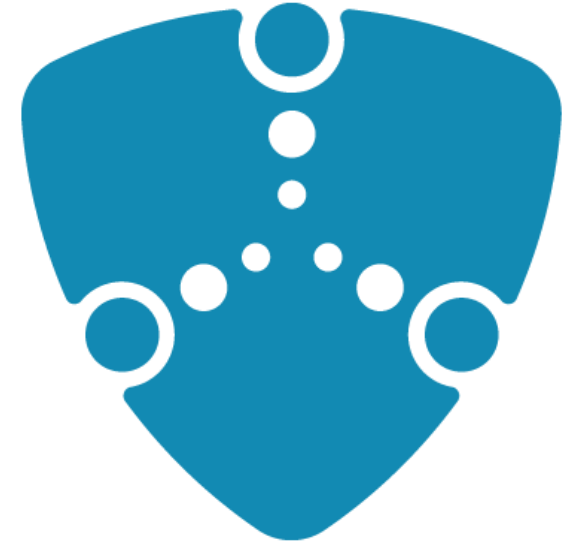
# Agenda

- 1) General Info
- 2) Navelink Platform status & update
- 3) Service development discussions & information
  - a) Forum service developers (Each developer)
  - b) Forum security and interoperability (Each developer)
- 4) Overview of Navelink usage
- 5) Q&A
  - a) New questions (All)
- 6) Presentation of MCP instances by Thomas Christensen (DMC)
- 7) Closing remarks

# 1) General Info

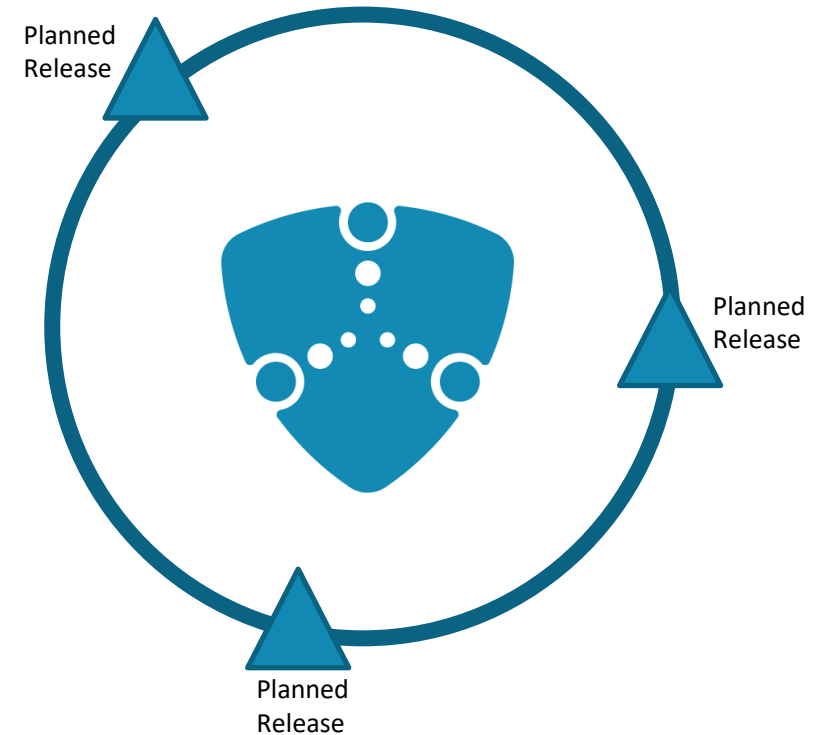
## Navelink including SECOM- and VIS-hotel to cease operations by Year End

- This decision stems from current market conditions and an unpredictable future landscape



## 2) Navelink Platform status & update

- Since the last meeting:
  - Navelink received decision on closing operations at the end of the year
- What happens now?
  - Until 31<sup>st</sup> of December Navelink will continue to operate and be maintained but there will be no new development
- Before the end of the year:
  - Please remove your data from DEV, TEST and PROD and any other services before December 15<sup>th</sup> (Last chance December 31<sup>st</sup>)



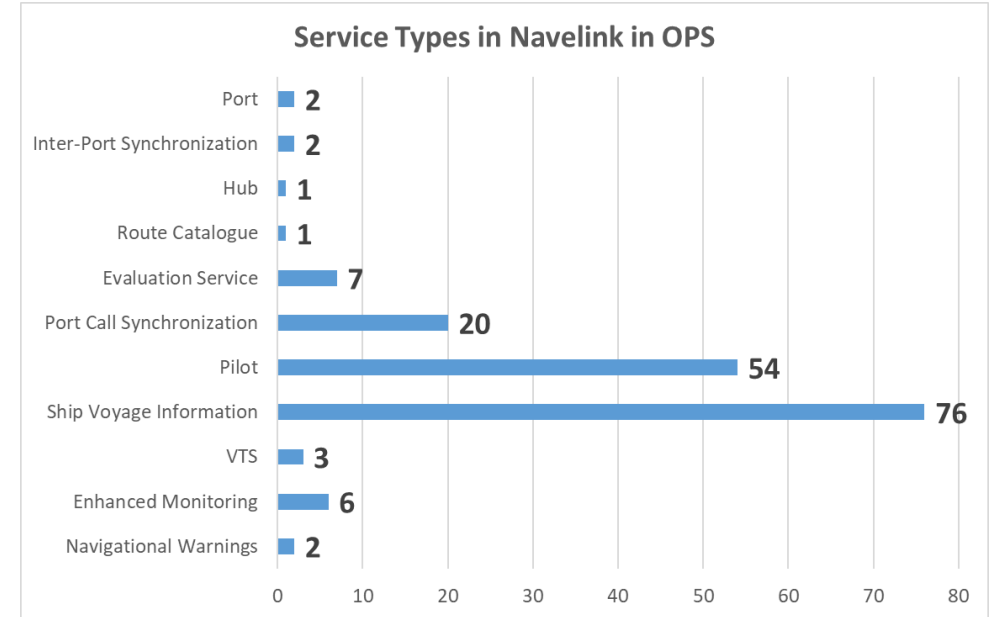
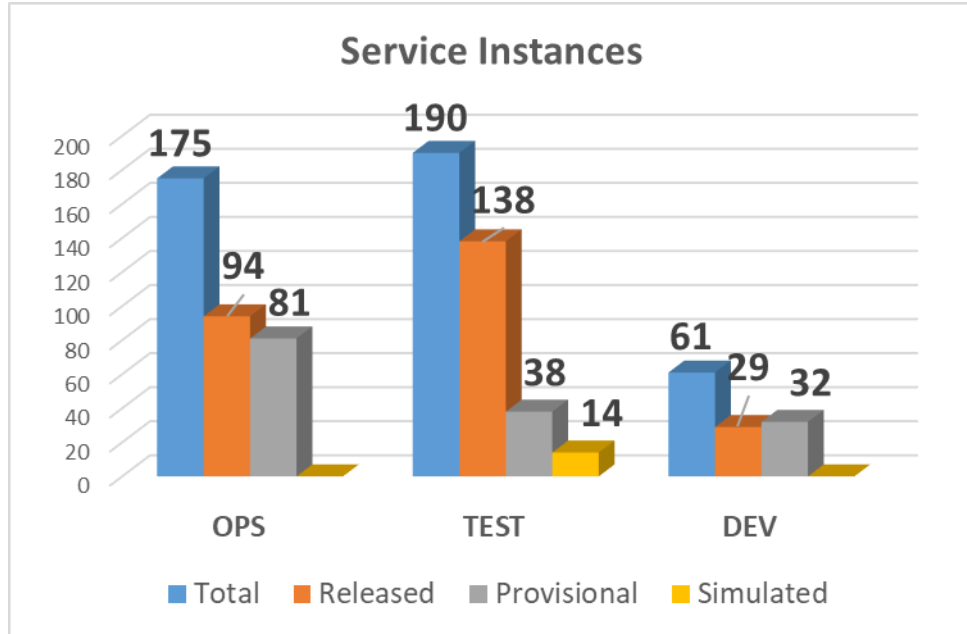
# 3) Service development discussions & information

- Forum service developers
  - Common discussions
- Forum Security and interoperability
  - Common discussions



# 4) Overview on Navelink usage

2024-10-23



## Navelink Operational environment Service Registrations

Service Specifications: 2 (Voyage Information Service v2.2) + **SECOM Generic Service Specification v1**

Service Technical Design: 2 (Voyage Information Service Design v2.2) + **SECOM Service Design Template v1**

Service Instances: 175



# Services in Operational Navelink

# IEC TC80 WG17

The second meeting regarding the update of IEC 63173-1 and -2 was held in Busan, Korea the 21st to 23rd of October. The documents will be sent as CD for comments and planned to be finalised in Spring 2025.

Among the updates are

- **Update of S-421** Route Plan to align with S100 ed 5.2.0
- routeWaypoints multiplicity changed to 0..1, meaning that it is now possible to send an update of route without changing the route geometry, e.g. to acknowledge (confirm) a route
- MRN now allowed to use as routeId
- New XML Schema for the S-421 that are more developer friendly and provides more technical validation coverage
- **Update of SECOM** with added callbackEndpoint to avoid dependency to service registry when acting as consumer
- Adjusted recommended signing algorithm (ECDSA-384-SHA2)
- Updated OpenAPI (swagger) files to v2
- Updated getPublicKey API on SECOM PKI
- Updated searchService API on SECOM Discovery Service
- **Additional informal document created named Guidance for Route Plan Exchange** in S-421 format, Support document for mariners.



## 5) Q&A

- Any Questions? The floor is open.

## 6) Presentation of MCP instances

- By Thomas Christensen (DMC)

## 7) Closing remarks

- Navelink including SECOM- and VIS-hotel will cease operations at the end of the year, 2024
- Remember to remove your data from DEV, TEST and PROD and any other services before December 15<sup>th</sup> (Last chance December 31<sup>st</sup>)
  - If you need help or have any questions, please contact us at [info@navelink.org](mailto:info@navelink.org)
- Next Developer Forum at 28/11-2024 – Meeting will be cancelled if no questions are received

# Meeting notes (1/2)

- Navelink including SECOM- and VIS-hotel will cease operations at the end of the year, 2024
- Feedback from the IEC TC80 WG17 meeting can be found on slide 8.
  - The GetPublicKey API is now aligned to IALA G1183 and a link (Task) to the IALA Guideline G1183
  - A lot of time at the meeting was spent to discuss the support document for mariners how to make operational use of route exchange
  - In January there will be a draft sent out to the IEC members for review. Depending on the review comments, the documents will be updated and frozen.
- Presentation of MCP Instances by Thomas Christensen
  - Thomas Christensen: DMC has had a plan to have an operational instance at one point but that process is now being speeded up so that they will be able to offer an operational MCP to organizations that do not want to set up their own MCP instance.
  - Perter Bergljung: Are you taking over everything or is the focus MCP?
  - Thomas Christensen: MCP is the focus but we already have other services ready but need to make them operational and solve some legal matters first.
  - Perter Bergljung: We believe that VDES is important also and want that to be included.
  - Thomas Christensen: VDES will not be forgotten and we are working together with Sternula with this and we are also collaborating in the Madame project.
  - Thomas Christensen: There is an ongoing proposal from KRISO and GLA (who today finances the MCC reference instance) to the IALA Council to establish an IALA MCP reference instance.
  - Peter Tomsson: Will you provide certificates as well?
  - Thomas Christensen: We would operate a new instance of identity registry with new root certificates. All endorsed root certificates for operational MCP instances is available on the MCC homepage (only Navelink today).
  - Oliver Haagh: Should be noted that technically it will work the same but with the MRN pattern defined in the latest IALA G1183, which is not yet implemented in Navelink.

# Meeting notes (2/2)

- Thomas Christensen: When there are more MCP instances established, a concept of decentralized trust system is in progress of being developed
- Next Developer Forum at 28/11-2024 – Meeting will be cancelled if no questions are received



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