Developer forum

2021-10-28

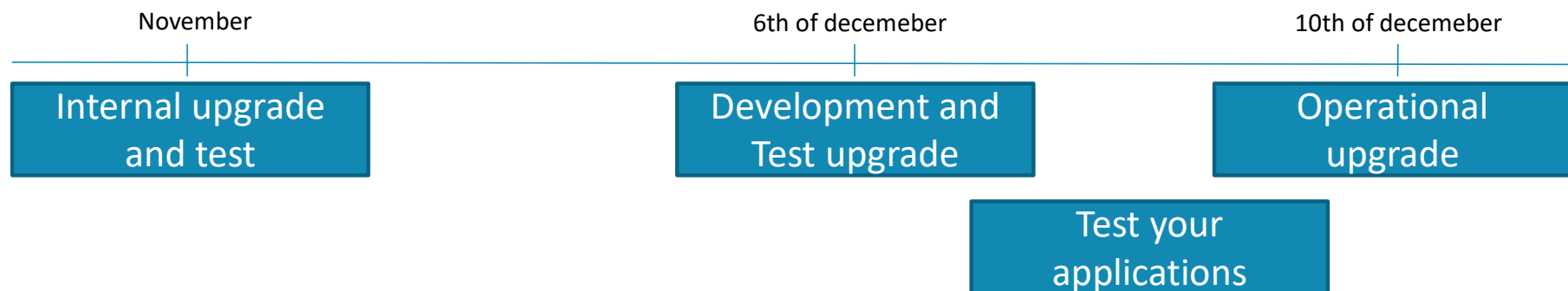Navelink.org

Agenda

- **General information**
  - Including latest enrolments and development
  - Roadmap

- **Release plan**

- **Service and payload updates**
  - Information from service developers
  - Security and interoperability
  - New Services in the Operational environment
  - Ongoing work(Trello)

- **Q&A**
  - Answers to incoming questions
  - New questions

- **Closing remarks**

NAVELINK

MCP 1.0.0 release notes

- Alignment with good RESTful principles

  - Includes returning HTTP 201 instead of 200 on POST calls and include a URL to the created resource in the response

- Implemented more fine grained functionality of the Agent feature

  - All existing agents will have the ORG_ADMIN role

- All endpoints that return JSON now set the Content-Type header as application/json instead of application/json;charset=UTF-8

NAVELINK

MCP 1.0.0 on Navelink platform

- 6/12 -2021 Development and Test environment gets upgraded to 1.0.0

- Test your services.

- 10/12 -2021 Operational will be upgraded to 1.0.0

November	6th of decemeber	10th of decemeber
Internal upgrade and test	Development and Test upgrade	Operational upgrade
	Test your applications	

NAVELINK

Best practice of Navelink features – Mikael/Marcus

- Issue certificates and generating local keys

- Serivce registry
    - Service Registration and URL field
    - Service Registry monitoring and common warnings

- VIS-Hotel
    - HMAC performance issues when payload get large

NAVELINK

MF0   Vis hotel löst problem med size
Marcus Flaaten, 2021-10-14T11:37:41.029

MF1   How-to för att skapa privata nycklar
Marcus Flaaten, 2021-10-14T11:50:30.385

Service monitoring and the rules

Name	Cell	Rule	DEV (36)	TEST (146)	OPS (156)	Comment	Urgency
Provided by MRN	B	Not empty	OK	OK	OK	-Provided by- organization shall not be empty	ERROR
Provided by MRN	B	MRN Org	OK	OK	OK	-Provided by- should be a registered MRN org	WARNING
Produced by MRN	D	Not empty	OK	OK	OK	-Produced by- organization shall not be empty	ERROR
Produced by MRN	D	MRN Org	OK	OK	OK	-Produced by- should be a registered MRN org	WARNING
ContactInfo	C	Functional Email	WARNING	WARNING	WARNING	Contact info in -provided by- should be a functional email, not personal	WARNING
ContactInfo	E	Functional Email	WARNING	WARNING	WARNING	Contact info in -produced by- should be a functional email, not personal	WARNING
ContactInfo	C	Not empty	OK	ERROR	OK	Contact info in -provided by- shall not be empty	ERROR
ContactInfo	C	Email	OK	ERROR	OK	Contact info in -provided by- shall be an email	ERROR
ContactInfo	E	Not empty	OK	ERROR	OK	Contact info in -produced by- shall not be empty	ERROR
ContactInfo	E	Email	OK	ERROR	OK	Contact info in -produced by- shall be an email	ERROR
Description	P	Not empty	OK	OK	OK	Description shall not empty	WARNING
Keywords	O	serviceType as keyword	OK	OK	OK	Service Type should be in Keywords	WARNING
Keywords	O	serviceType acronym as keyword	WARNING	WARNING	WARNING	Service Type acronym should be in KeyWords	WARNING
Portnumber	J	STM portnumbers	ERROR	ERROR	OK	Port numbers shall be according to list	ERROR
Service Coverage	N	Right-hand area	OK	WARNING	WARNING	Service Coverage is expected to be an "include area" (right-hand rule)	WARNING
Service Coverage	N	Service Coverage	OK	WARNING	WARNING	Service Coverage shall be defined for service types in enum	WARNING
Service Coverage	N	Polygon enclosed	OK	OK	OK	Service Coverage polygon shall be enclosed	ERROR
ServiceType	F	VIS serviceType	WARNING	WARNING	WARNING	ServiceType should be according to enumeration	WARNING
Unique IMO	K	Unique	WARNING	WARNING	OK	IMO should be unique	WARNING
Unique MMSI	L	Unique	WARNING	WARNING	OK	MMSI should be unique	WARNING
Unique IMO	K	Unique for design	OK	WARNING	OK	IMO should be unique for service design	WARNING
Unique MMSI	L	Unique for design	OK	WARNING	OK	MMSI should be unique for service design	WARNING
Document	S	Not empty	WARNING	WARNING	WARNING	All Service registration should have Document attached	WARNING
IMO format	K	Numeric-7	OK	ERROR	OK	IMO shall be blank or exactly 7 digits	ERROR
MMSI format	L	Numeric-9	OK	OK	OK	MMSI shall be blank or exactly 9 digits	ERROR
URL format	J	URL	OK	ERROR	OK	URL shall begin with https:// or http://; URL must not end with <space>or /	ERROR
MMSI if IMO	K L	MMSI if IMO	OK	WARNING	WARNING	If IMO set, there should be a MMSI as well	WARNING

NAVELINK

HOW-TO Use the Verification Service

In each environment there is a VIS Verification Service registered (actually one by SMA and one by Navelink)

- The documentation can be reached through the Management portal
  - Find the instance and select Download Document

- The VIS Verification Service works only for services based on VIS Technical Design

- The VIS verification Service will bounce back every (valid) message sent to it together with a TXT message.

- It's also possible to send a TXT message to the Verification Service to geta bunch of reference messages back. Change the body to RTZ, S124 or TXT depending on payload type wanted.

- Ensure the Certificate used is for the service you want the data sent to

- Be aware that absolute path may be required for CURL

- Be aware to adjust yellow parts to your data

```
curl.exe -i -v -k --key "privateKey.pem" --cert "certificate.pem" --header "Accept:application/json" --
header "Content-Type:text/xml;charset=utf-8" --http1.1 -X POST "https://vis.dev.navelink.org/DEV-
VISVERSVC/textMessage" -T "TXT.xml"
```

```
<?xml version="1.0" encoding="utf-8"?>
<textMessage xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns="http://stmvalidation.eu/schemas/textMessageSchema_1_3.xsd">
<textMessageId>urn:mrn:stm:txt:navelink:t001</textMessageId>
<author>CURL</author>
<from>SID</from>
<createdAt>2021-10-28T12:00:00Z</createdAt>
<subject>execute_test</subject>
<body>RTZ</body>
</textMessage>
```

NAVELINK

Common service developer subjects

- Information from service developers
  - Common standardization work: S-124, S-421, SECOM, General STM news
  - Payload S-124 update general area to cover Norwegian coast (NCA)
  - Missing schedules in voyage plans

- Security and interoperability
  - Common discussions

- New Services in the Operational environment
  - Presentation and explanation of new services that was added in the platform by the developer.

- Trello check
  - What activities are active between meetings

Future items for potential discussion

Discussion facilitated by Navelink

- VDES (https://www.vdes-alliance.org/)
  - Navelink as PKI and Identity provider
  - Scalability (SOLAS ships)
  - Key management
- MMS
- Payment service

NAVELINK

Q&A

- Any Questions? The floor is open.

NAVELINK

Closing remarks

- Summary
  - Action points

- Next meeting the 28th of October

NAVELINK

Meeting notes

- Navelinks release strategy for MCP 1.0.0 was presented with out comment.

- A walkthrough of the guidelines for releasing a service on Navelinks Operational environment was done by Mikael Olofsson.

- A HOW-TO was presented by Mikael Olofsson about VIS-verification service.

NAVELINK

NAVELINK

Navelink.org