Connectivity, identity and trust (MCP)

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e-navigation - it's all about exchange of information

In a modern fashion - using contemporary technology
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Which means using services - Service Oriented Architecture

What's a service

Maritime services

(associated) Technical Services
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(associated) Technical Services

Mostly computer to computer
We have a guideline for technical services:

G1128  The specification of e-navigation technical services

And

When using internet technology - webservices

We have a complementary guideline

G1157 Web service based S-100 data exchange
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Not only for IALA!
What else do we need?
Most information exchange will be computer to computer.

A computer needs a reliable organised service registry in order to locate the needed services.

So part of MCP is a service registry for technical e-navigation services.
Next challenge

Who is who?

It is necessary to proof identity of service providers and sometimes service consumers
The MCP has you covered - with the identity registry

Providing trustworthy means of proofing the identity of both users and machines that exchanges information
Core components of the MCP

- Trusted and verifiable identities
- Service discoverability
- Secure and reliable information exchange

- Identity Registry
- Service Registry
- Messaging Service
So - we all need to use THE MCP

Where is it and who is running it?

And do we really want to do that?
Multiple MCP instance providers

Which needs to be harmonised!
Maritime Connectivity platform Consortium

Advisory board

General assembly
- Board
- Host members
- Regular members

Working group

MCP service provider

W3C inspired
MCP status

Testbed running since 2015

Consortium established 2019 - 25 members

Operational instances (identity registry) in Korea and Sweden (Navelink), soon Finland

Several other testbeds
Thank you for you attention