

Maritime Connectivity Platform

# Introduction to the Technical Session and the Identity Architecture

Michael Kirkedal Thomsen

IFI, University of Oslo & DIKU, University of Cph



MCP Identity Management & Security Seminar  
IALA HQ, Sep 24 2022

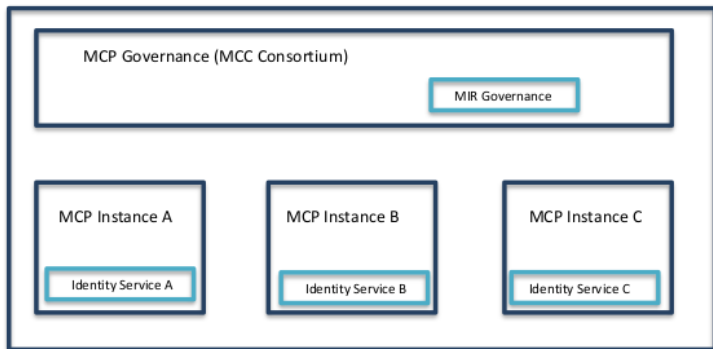
# Outline

# MCP IDSec documentation

- MCP IDsec1 MCC Identity Management and Security; General Approach and Basic Requirements
- MCP IDsec2 MCC Identity Management and Security; Identity Management
- MCP IDsec3 MCC Identity Management and Security; Public Key Infrastructure (PKI)
- MCP IDsec4 MCC Identity Management and Security; Authentication and Authorization for Web Services

||

# Structure of MIR within MCP



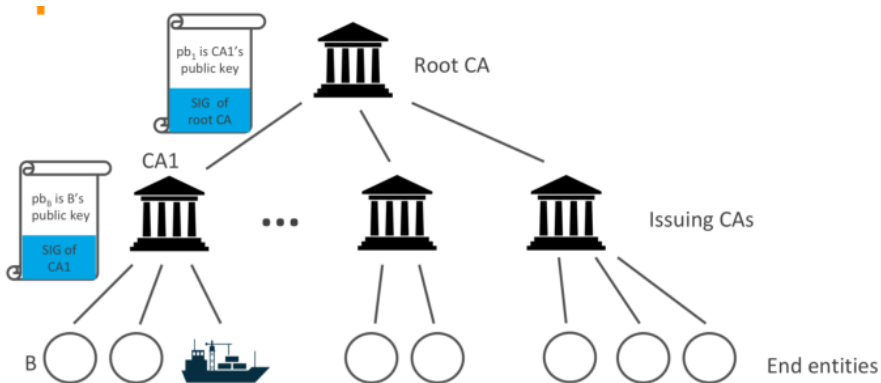
- MIR identity service providers will be vetted by MCP sectariat
- MIR can run your own development of our demonstration og build your own

# MRN

```
<MCP-MRN> ::= "urn" ":" "mrn" ":" "mcp" ":" <MCP-TYPE> ":" <IPID> ":" <IPSS>  
<MCP-TYPE> ::= "device" | "org" | "user" | "vessel" | "service" |  
    "mir" | "mms" | "msr"  
<IPID> ::= <CountryCode> | (alphanum) 0*20(alphanum / "-") (alphanum)  
<IPSS> ::= pchar *(pchar / "/" / "/")
```

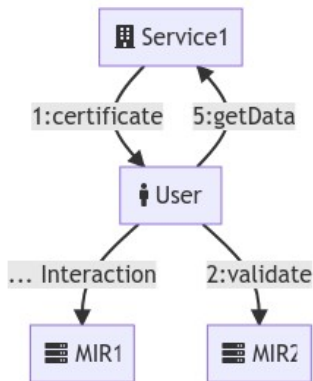
- Works as a unique identifier
- MCP is managing the subdomain `urn:mrn:mcp` of the IALA domain
- Each MIR will be given a subdomain of this: e.g. `urn:mrn:mcp:navelink`

# PKI



# Services in MCP

- User will handle all certificats



**Thank You**

Questions

?



# Bibliography I



**UiO** : Department of Informatics  
University of Oslo



**Michael Kirkedal Thomsen**



**Introduction to the  
Technical Session and the  
Identity Architecture**

