



**INTERNATIONAL
MARITIME
ORGANIZATION**

Who am I.

Mikael Renz

Swedish Maritime Administration

Senior Advisor, IT strategy & architecture

Chair of the EGDH

Chair of the Electronic business working
group under the FAL committee



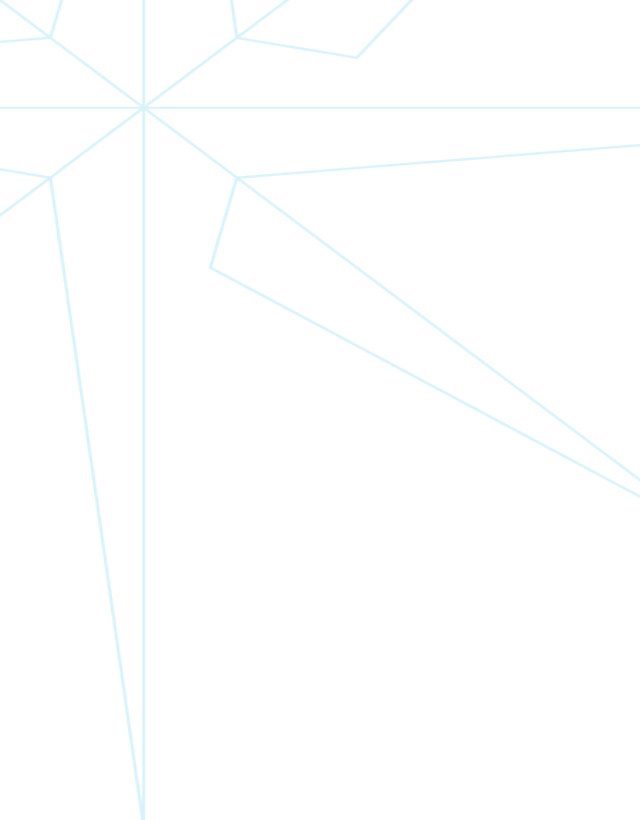
IMO compendium on facilitation & electronic business

IMO

- Marine and Safety committee (MSC)
 - NCSR sub committee
- Facilitation committee (FAL)
 - Electronic Business
 - EGDH
- Marine and environmental protection committee (MEPC)

Imo compendium

- A reference model
- Aimed at arrival and departure procedures
- Aprox: 300 data elements after FAL 45
- UN/CEFACT, WCO, ISO
for technical implementation



FAL Convention and Annex & Other IMO Data Reporting

General Declaration – Arrival
...
Name of ship
...
Name of master
...

General Declaration – Departure
...
Name of ship
...
Name of master
...

Cargo Declaration
...
Name of master
...

Other FAL Standard Declaration
...

Waste Declaration
...
Gross tonnage
...

Other Electronic Messages
...

Contracting Governments
Additional requirements
...

FAL Compendium

IMO Reference Data Model
...
Ship name
...
Master name
...
Ship gross tonnage
...

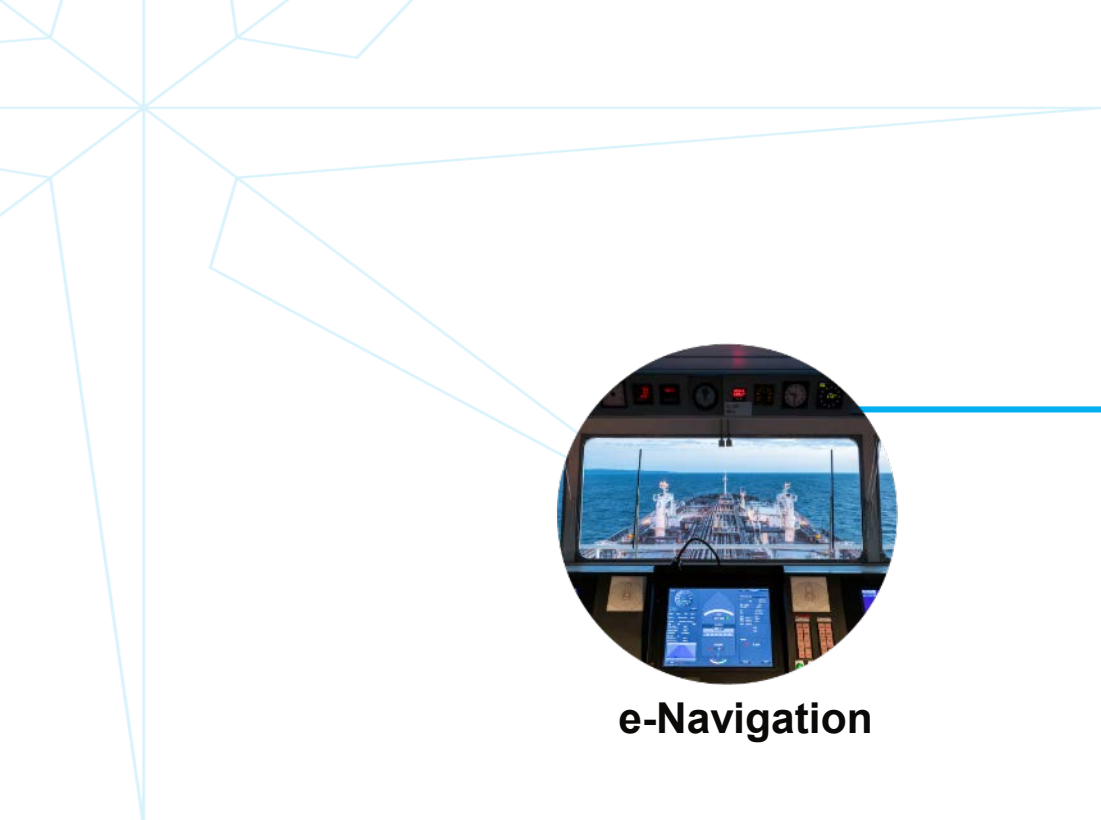
Additional data elements
...
Authentication
...

International Standards

ISO 28005
...
ShipIDType.ShipName
...
CrewDutyType.Code=Master
CrewMemberDataType.
PersonOnBoardType.
NameType.GivenName
...MiddleName
...FamilyName
...
GrossTonnageType
...

UNECE UN/CEFACT Core Component Library
...
TransportMeansName. Text
...
Master. Name. Text
...
TransportMeansName. Gross Weight. Measure
...

WCO Data Model
...
WCO ID T0005 Identification of means of transport crossing the border
...
WCO ID 429 Person on Board, type
WCO ID 421 Person on Board, family name
WCO ID 422 Person on Board, given name
...
WCO ID Border Transport Means Gross Tonnage
...



Port operations



e-Navigation



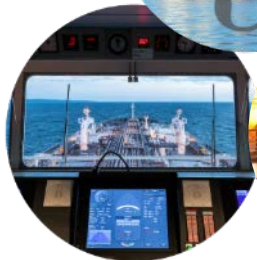
Reporting formalities



A digital approach



Services for reporting formalities



Services for e-Navigation



Services for port operations

IMO compendium and cooperation

- Close cooperation with UNECE, WCO and ISO
- IAPH, IHMA and ISO for port operations
- Use of the standards for implementation
- The compendium is the translator
- Future:
 - IHO S 100 data model
 - Test with Semantic model from EU project including Air and Rail

Thank you!

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More information:

<https://www.imo.org/en/OurWork/Facilitation/Pages/Default.aspx>