

International Taskforce

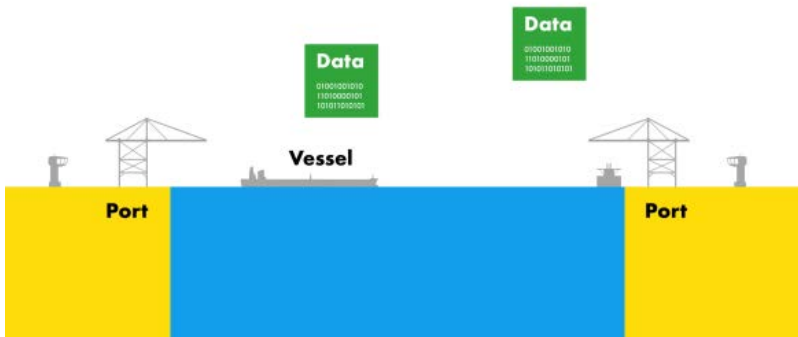


Port Call Optimization

What is the scope of port call data?

Focus: movement of the vessel:

- Realizing safe and sustainable berth to berth navigation
- Important for shipping, shippers, terminals and ports



Related: movement of the vessel's cargo:

- Realizing reliable and sustainable end to end supply chain
- Important for shippers



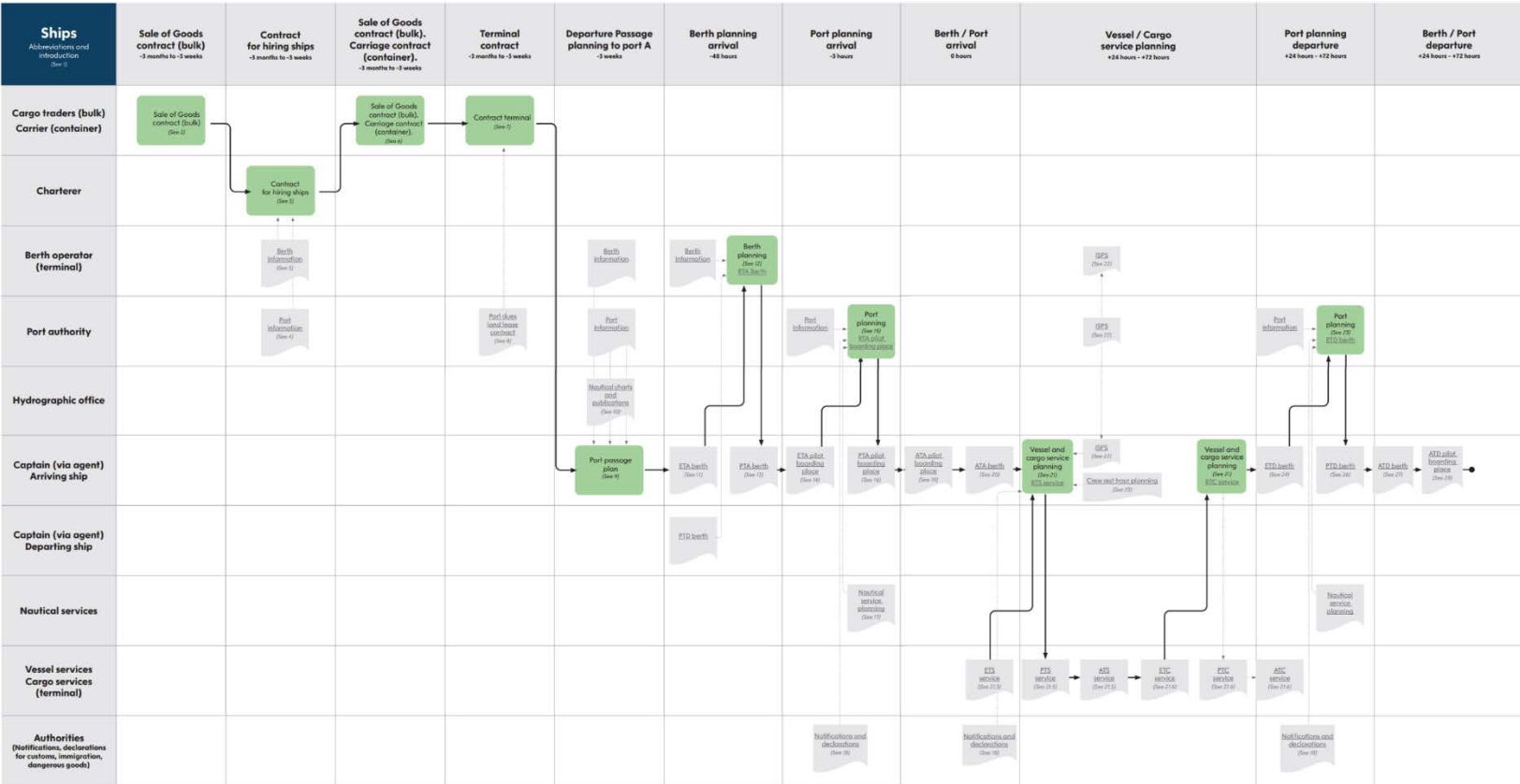
Road map Port Call Optimization

- 1) **Agree on business process of port calls**
- 2) Agree on minimum scope of data
- 3) Agree on robust standardization bodies
- 4) Agree on non-technical standards
- 5) Agree on technical standards
- 6) Develop incentives for data owners
- 7) Develop guidance for data owners
- 8) Implementation



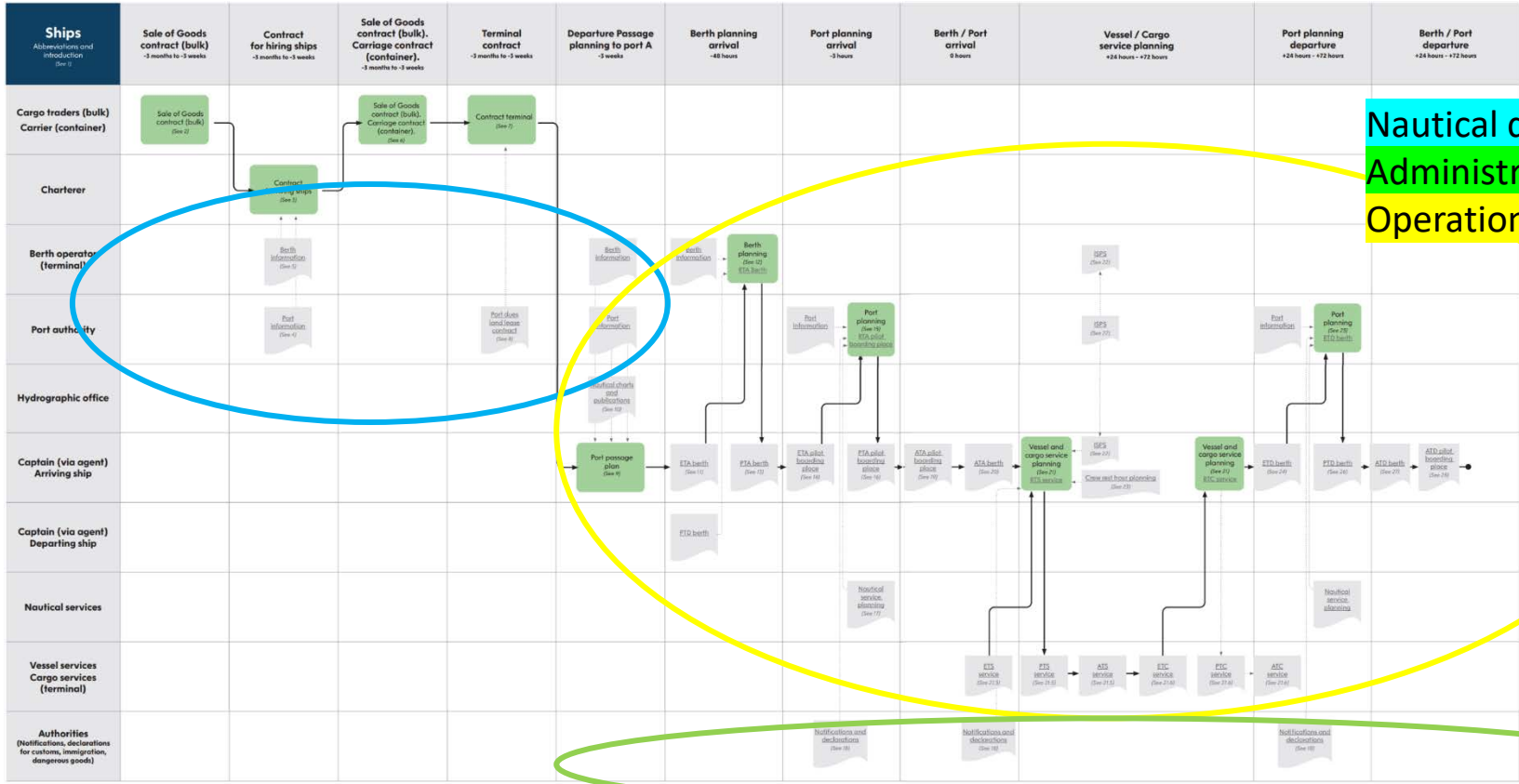
Agree on business process of port calls

Based on IMO resolutions and BIMCO contracts, trade and port agnostic



Agree on business process of port calls

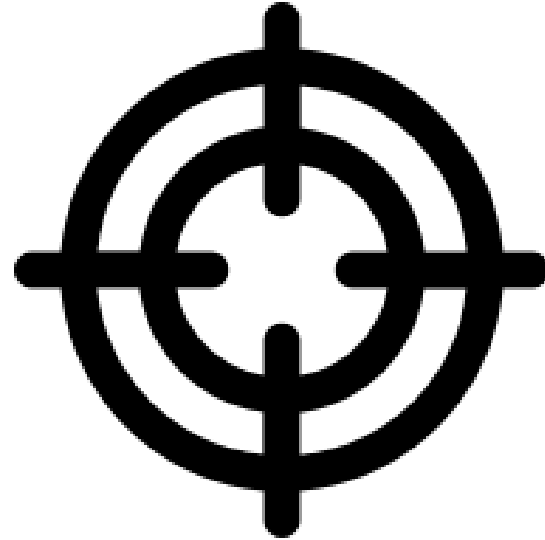
Identified data sets based on IMO resolutions and BIMCO contracts



Nautical data
 Administrative data
 Operational data

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Agree on minimum scope of data

Data set elements

Nautical data

- a) Port infrastructure in Nautical Charts and Sailing Directions
- b) Port depths in Nautical Charts
- c) Port information in Sailing Directions

Administrative data

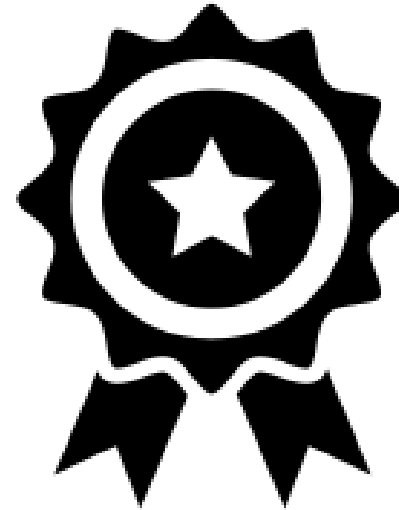
- a) FAL data in notifications and declarations
- b) Port facility data in IMO GISIS

Operational data

- a) Arrival and departure times at berth and pilot boarding place
- b) Starting and completion times of vessel and cargo services

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Agree on robust standardization bodies

For non-technical standards: are we talking about the same object, what is relation between data elements

Nautical data



- From the start assigned to set standards for nautical publications
- Being robust party for both shipping and ports; has 93 Member States

Administrative data



- From the start assigned to set standards for notifications and declarations
- Being robust party for both shipping and ports; has 174 Member States

Operational data



- Time stamps serve both administrative and operational data, it is common sense to develop them under the same body and build on existing work

Agree on robust standardization bodies

For technical standards: API specifications, technical and business performance requirements

Nautical data



- From the start assigned to set standards for nautical publications
- Being robust party for both shipping and ports; has 93 Member States

Administrative data



- ISO 28005-2 is the data model for the FAL Convention, aligned with IMO Model

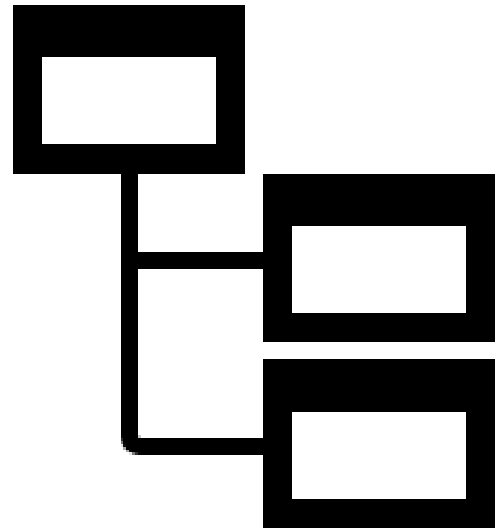
Operational data



- Time stamps serve both administrative and operational data, it is common sense to develop them under the same body and build on existing work

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Agree on non-technical standards

Accomplishments

Nautical data

- a) Terminals, berths and berth positions defined in Port Information Manual 3.02
- b) Maintained depths, UKC, vertical tide defined in Port Information Manual 3.02
- c) Port Information Manual 3.02 content aligned with IMO Resolution A.862(20) and standards with IHO NIPWG feedback

Administrative data

- a) Not in scope for ITPCO
- b) IMO Port Facility No. part of terminal reference in Port Information Manual 3.02

Operational data

- a) Arrival/departure times defined (IMO Compendium); operational data part of IMO Compendium
- b) Starting/completion times defined (IMO Compendium); operational data part of IMO Compendium

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Agree on technical standards

Accomplishments

Nautical data

- a) Exchange with S-57 tested
- b) Exchange with S-57 tested
- c) Development S-131 started

Administrative data

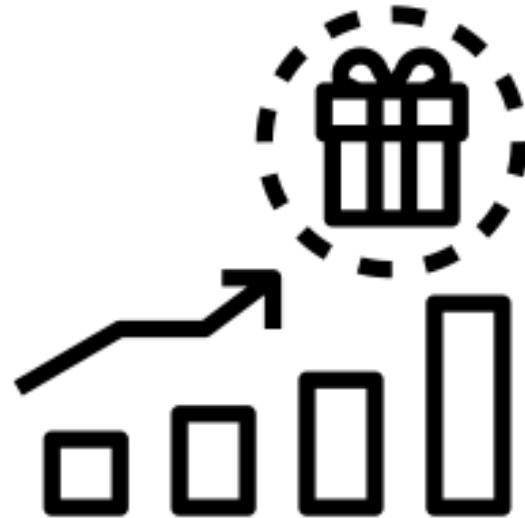
- a) Invite to develop technical standards for administrative and operational data: IMO FAL 45/6/6, ISO TC8
- b) Not in scope for ITPCO

Operational data

- a) Invite to develop technical standards for administrative and operational data: IMO FAL 45/6/6, ISO TC8
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Develop incentives for data owners

To do

Nautical data

- a) Close gap in SOLAS (action 8A), update Port Support Services (action 17)
- b) Close gap in SOLAS, update Port Support Services – same actions
- c) Close gap in SOLAS, update Port Support Services – same actions

Administrative data

- a) None
- b) Not in scope for ITPCO

Operational data

- a) Close gap in SOLAS (action 8B), update Port Support Services (action 17)
- b) Close gap in SOLAS, update Port Support Services – same actions

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- 7) **Develop guidance for data owners**
- 8) Implementation



Develop guidance for data owners

To do

Nautical data

- a) IHO Guide for nautical data (action 6)
- b) IHO Guide for nautical data (action 6)
- c) IHO Guide for nautical data (action 6)

Administrative data

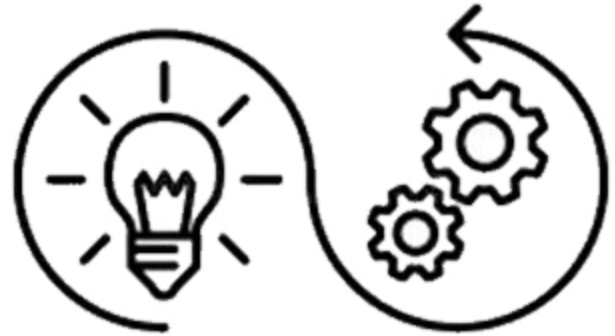
- a) Not in scope for ITPCO
- b) IHO Guide for nautical data (action 6)

Operational data

- a) IMO Guide for operational data (action 11)
- b) IMO Guide for operational data (action 11)

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- 8) **Implementation**



Implementation

To do

Nautical data

- a) First port has finalized Q4/22
- b) First port has finalized Q4/22
- c) First port has finalized Q4/22

Administrative data

- a) Not in scope for ITPCO
- b) First port has finalized Q4/23

Operational data

- a) First port has finalized Q4/22
- b) First port has finalized Q4/22

Hope to welcome you on board

