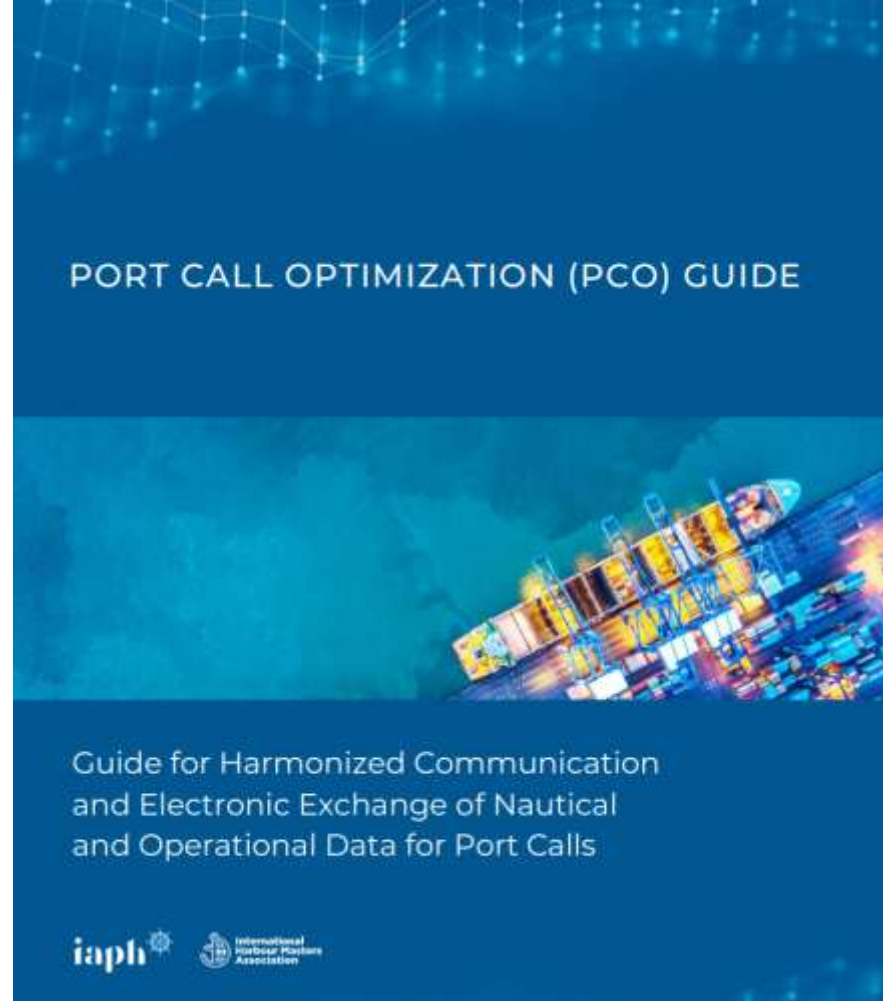


Introduction of the Port Call Optimization (PCO) Guide

A global reference for harmonized communication and electronic data exchange for basic port call data



Why do we need it?

Operators managing a fleet of ships worldwide:

- On a single day, the operator may manage 100 ships in 100 different ports
- All those ports may have different data in different formats and standards
- The industry needs a baseline standard for data-sharing



Data differs from source to source

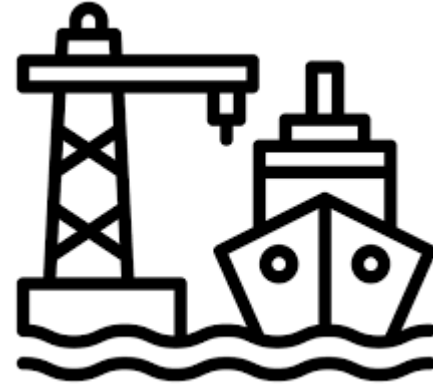
What makes it even more complicated is that data differs between the sources, e.g., between:

- Nautical charts
- Port data bases
- Agent information
- Terminal information



Minimum requirements for ports

While SOLAS requirements primarily focus on ships, ports have been asked to provide a minimum set of port call data to be available to all SOLAS ships and related parties at the same time.



First step

To get started, the PCO Guide sets a minimum fundamental data sharing requirement as a starting point for ease of implementation:

Nautical data – port infrastructure

Based on IMO FAL 50/17 and S-131 the first step is:

- Identification of terminals
- Identification of berths

Operational data – port planning

Based on IMO FAL.5/Circ.52, first step is:

- Planned Time of Arrival Pilot Boarding Place (PTA PBP)
- Planned Time of Departure Berth (PTD Berth)



- 11 On this basis, the following minimum scope of port nautical information is proposed:
1. Information on Port infrastructure: terminal, berth
 2. Information on Port waiting areas: ships in transit and at anchor;
 3. Vessel particulars at berth and in port passage: maximum permitted draught, length, beam, air draught;
 4. Depths and tides in the area;
 5. Meteorological information;
 6. Availability of nautical services: VTS, pilots, tugs, linesmen;
 7. Communication procedures;
 8. Port emergency procedures.

Same data to all parties at the same time

This will allow that all parties have the same data at the same time:

- Port Authority (Harbour Master, VTS)
- Terminals
- Traders
- Charterers
- Fleet centers
- Hydrographic Offices



Robust standards

All built on universally accepted IMO, IHO, ISO standards:

- Same for every type of port
- Same for every type of ship
- Connecting to the supply chain



Call to Action

Adopt the minimum data set:

- Identification of terminals
- Identification of berths
- Planned Time of Arrival Pilot Boarding Place (PTA PBP)
- Planned Time of Departure Berth (PTD Berth)

Enable the port's Application Programming Interface (API) access:

- Using the specs of IHO
- Using the API validation check of IHO

Measure impact:

- Using PCO Key Performance Indicator
- Sharing with PCO community

