

S-211 – The development

ENAV22-6.7



**PCMF developed in MonaLisa2 and
STM Validation project**



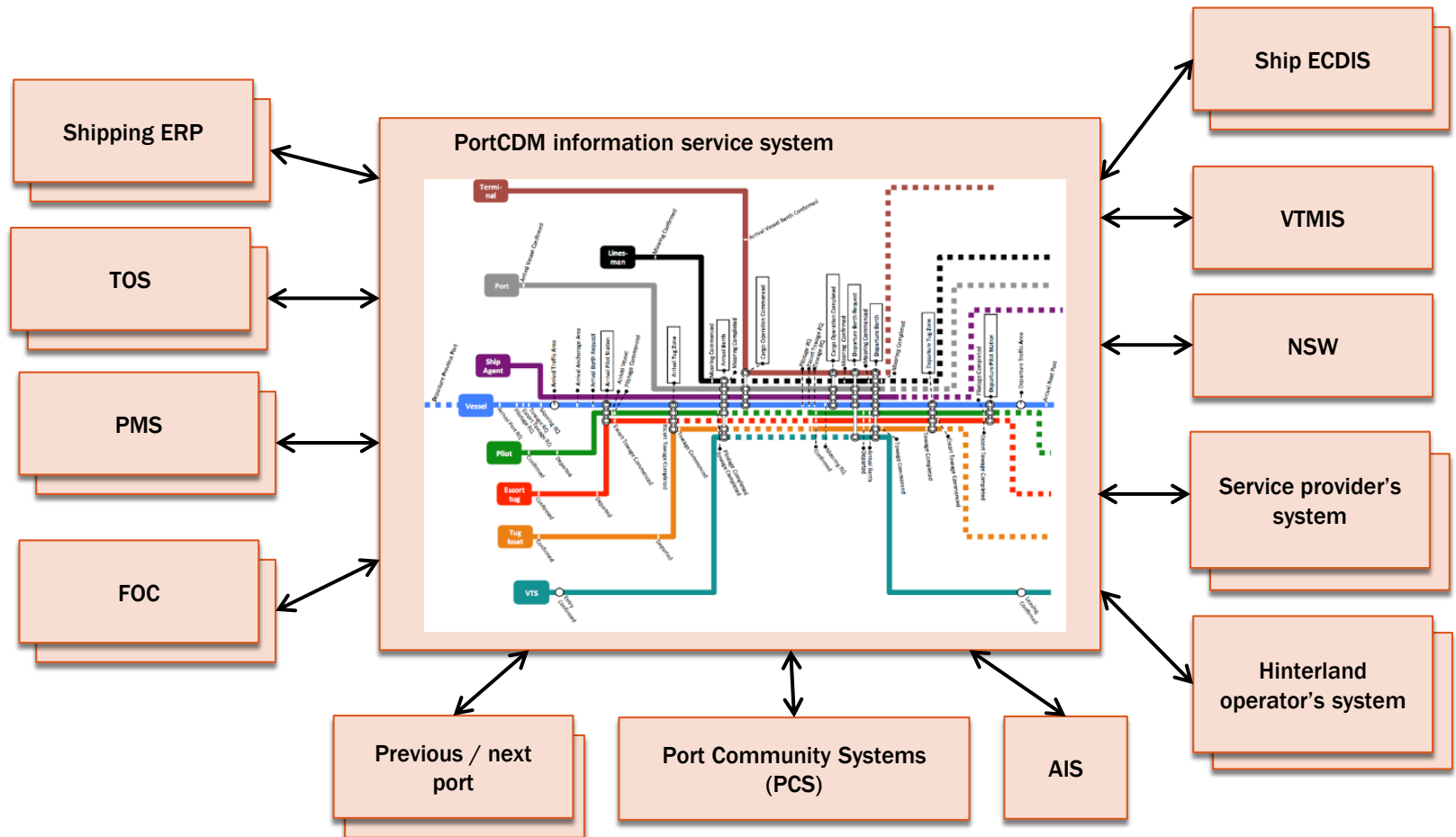
**Adopted to comply with CMDS
(IHO GI Registry)
And submitted to IALA by IPCDMC**



**Accepted by IALA
And assigned number S-211**

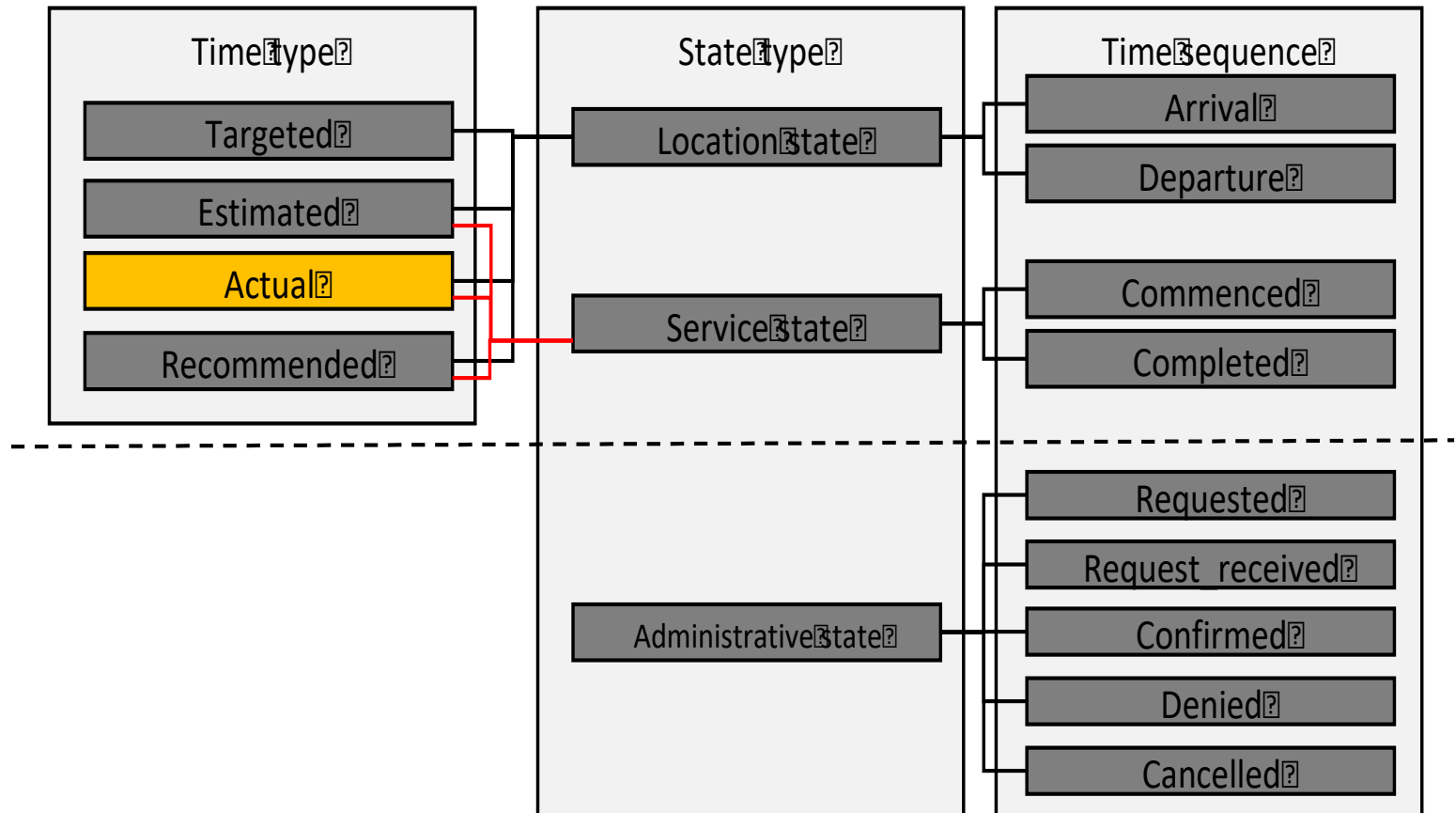
Port Call Message Format

INTER-OPERABLE CONCEPT FOR SHARING TIME STAMPS

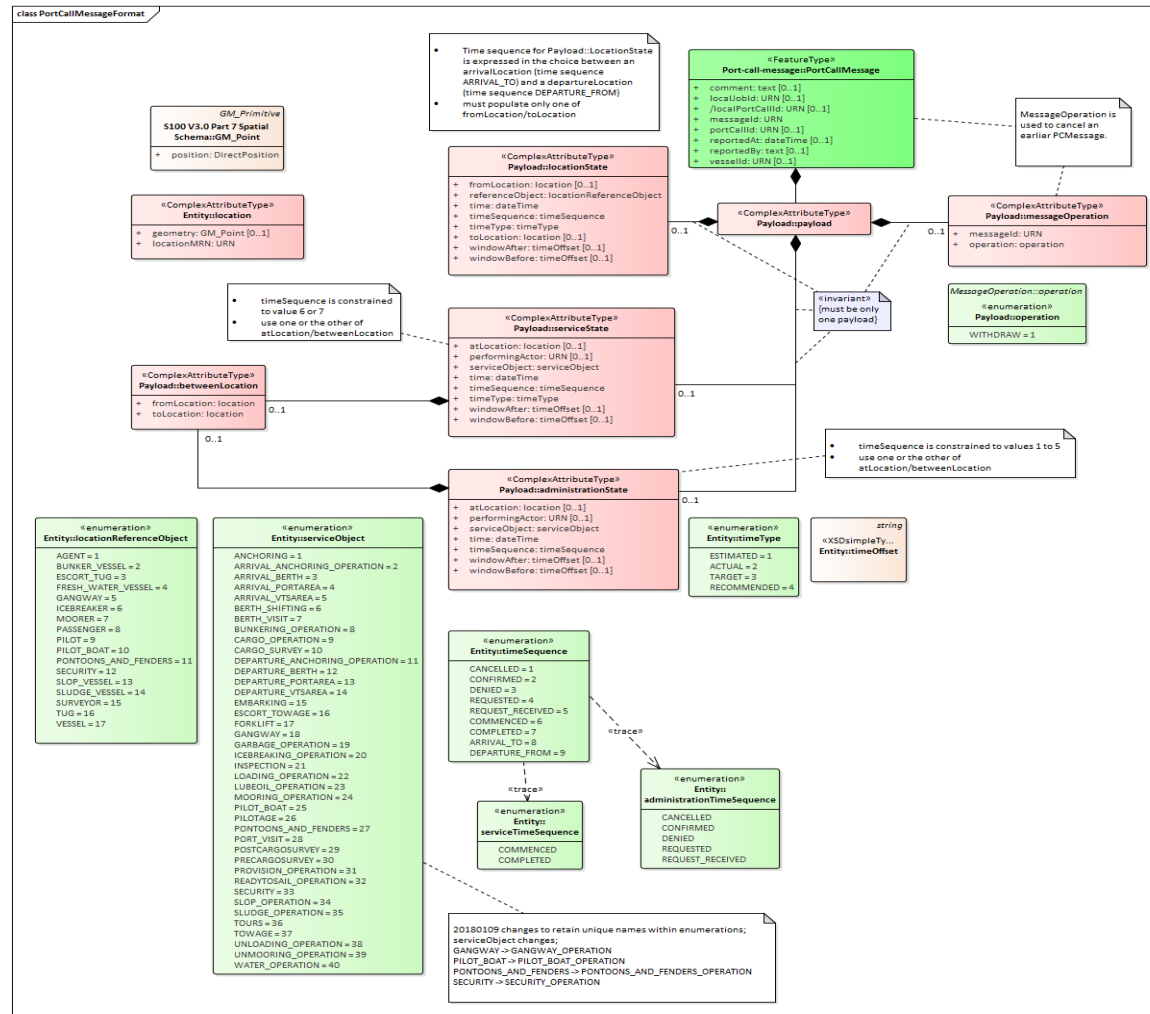


Port Call Message Format

THE COMPOSITION OF TIMESTAMPS



DEVELOPMENT WITHIN IALA DOMAIN OF THE IHO GI REGISTRY



Supporting the IMO MSPs

- MSP 1 - VTS Information Service (IS)
- MSP 2 - VTS Navigation Assistance Service (NAS)
- MSP 3 - VTS Traffic Organization Service (TOS)
- MSP 4 - Local Port Service (LPS)
- MSP 5 - Maritime Safety Information (MSI) service
- MSP 6 - pilotage service
- MSP 7 - tugs service
- MSP 8 - vessel shore reporting

Industry Expert Workshop

First Workshop in May 2018

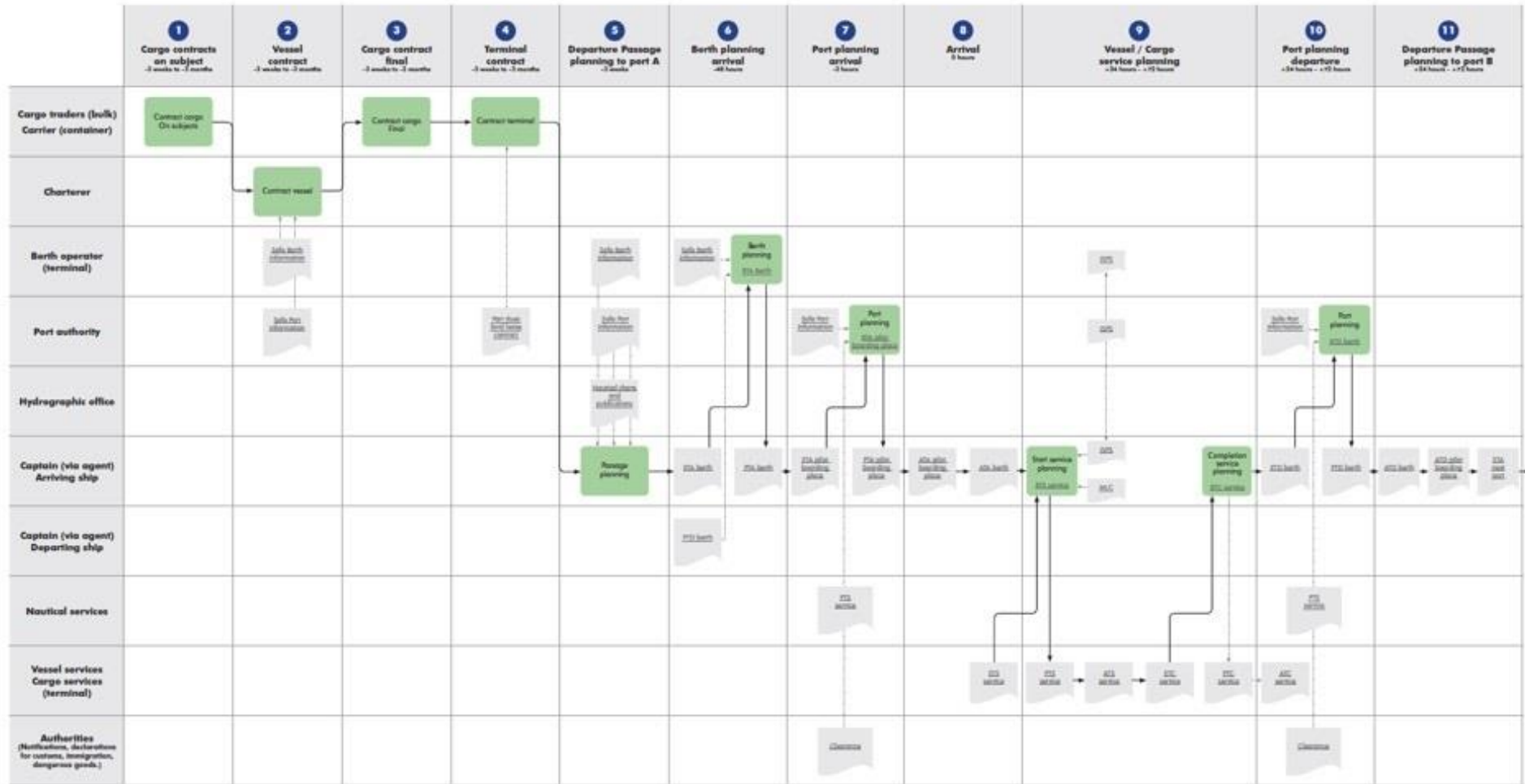
Second Workshop in September 2018

Need for standards

- Reduction of 50% of emissions by shipping in 2050
- Operational efficiency is one of the key enablers



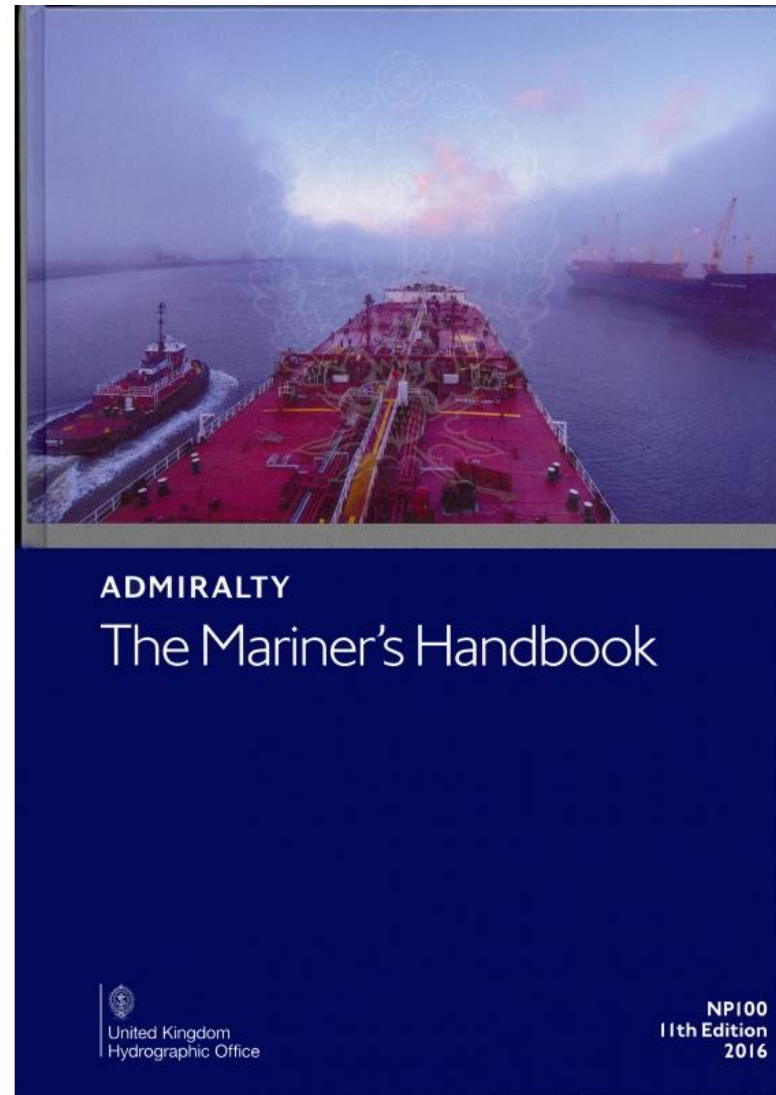
Common understanding of the port call process



Functional definitions for master and event data

Intermediate
publication September
2017 published by
UKHO / IHMA

Official publication
2019 – after summer

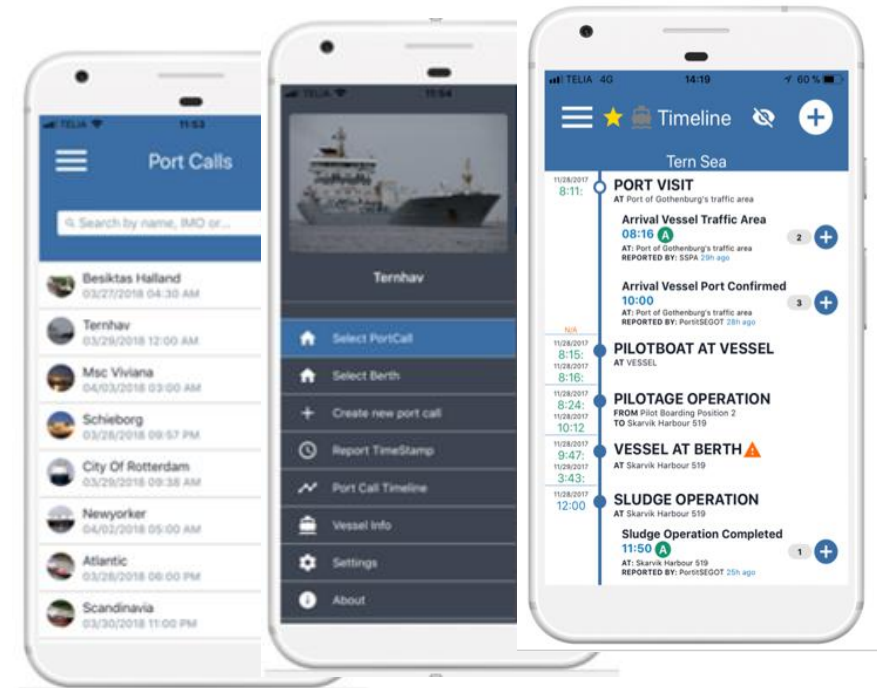


Data definitions for event data

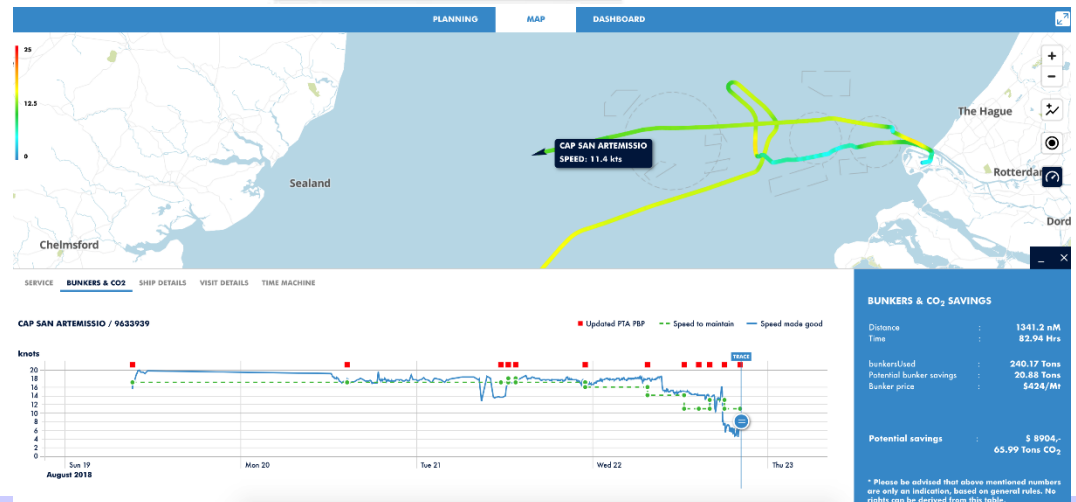
- Lean and flexible
- Facilitate local port needs
- Share data without port call ID
- Capture master data in event structure
- Open and existing industry standards:
 - Functional definitions of UKHO/IHMA document
 - Unique ID for ships: IMO number
 - Unique ID for ports: UNLOCODE
 - Unique ID for terminals: GLN (ISO 6523)
 - Unique ID for berths: GLN (ISO 6523)
 - Format for time: ISO 8601
 - Format for call numbers: Universally Unique Identifier(UUID) of Open Software Foundation
 - Format for structure: EPCIS (ISO/IEC 19987:2015)
 - Data format: JSON over HTTP
- Optional context identifiers

Definition	EPCIS Event Path	Port Call Message Format
What	/epcList	"ship":{"imo":"9704611"}
When	/eventTime, /eventTimeZoneOffset	"eventTime":"2018-05-08T14:00:00Z"
Where	/bizLocation	"port":"NLRTM" "terminal":"0123456789123" "berth":"0123456789123" "berth position":"0123456789123B6.25" "ship side":"portside"
Why	/bizStep, /action	"eventType":"ATA_Berth_terminal"
Event Id	/eventID	"uuid":"75ecaa9b-cc77-45bc-90fa-26d9ccad5e1a"
Record time	/recordTime	"recordTime":"2018-05-09T09:13:47:00Z"
Source	/source	"source":"PCS"

Validation of functional and data definition and data formats



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THANKS YOU!

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