International Taskforce

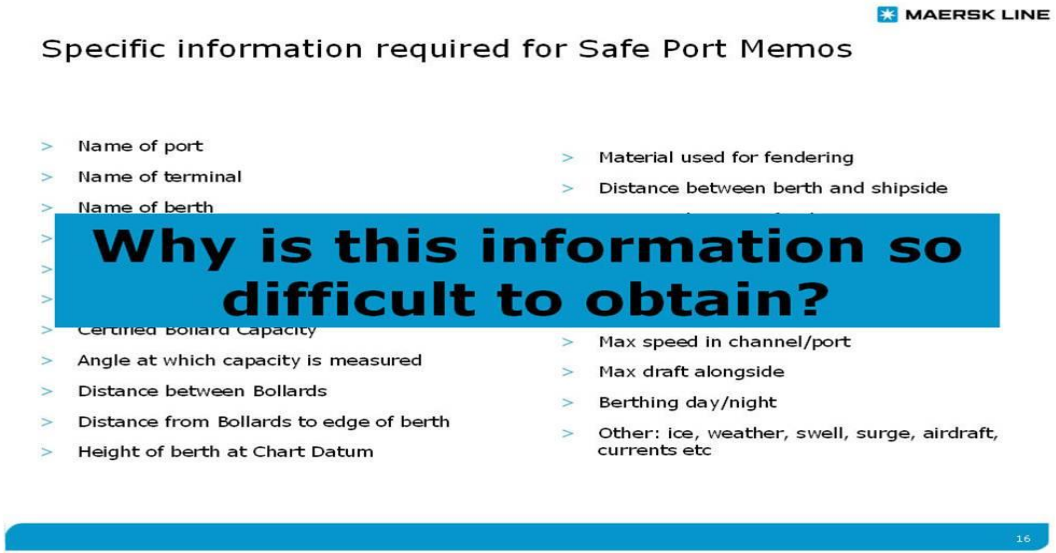
Port Call Optimization

Port Call Optimization

Request for data quality

For optimizing:

- Deadweight
- Speed / Emissions / Bunker savings
- Port stay
- Safety
- Berth utilization
- Hinterland connections
- Resources port services



Present situation

Ports and shipping use their own standards

Present situation

Data not from data owner

Present situation

Less efficient communication

Present situation

No data quality assurance

Present situation

Summary

- Not possible to cross check data
- Not possible to share data
- No alerts if data has changed
- No data quality indications
- No binding data
- Many parties working for the same ship use different data

Data quality is key for Port Call Optimization

Decision as good as the data

International Taskforce Port Call Optimization

Shipping

MAERSK

msc

Inchcape Shipping Services

Vopak

CMA CGM

Ports

BPA | BUSAN PORT AUTHORITY

PORT OF HOUSTON AUTHORITY

NINGBO PORT CO.,LTD. 宁波港股份

PORT OF GOTHENBURG

Algeciras Port

MPA SINGAPORE

TANGER MED PORT AUTHORITY

Port of Rotterdam

Standards

United Kingdom Hydrographic Office

GS1

Endorsers

BIMCO

IHMA

IHO

IALA

Lloyd's List Intelligence

MarineTraffic

UK P&I CLUB

STM SEA TRAFFIC MANAGEMENT

IAPH International Association of Ports and Harbors

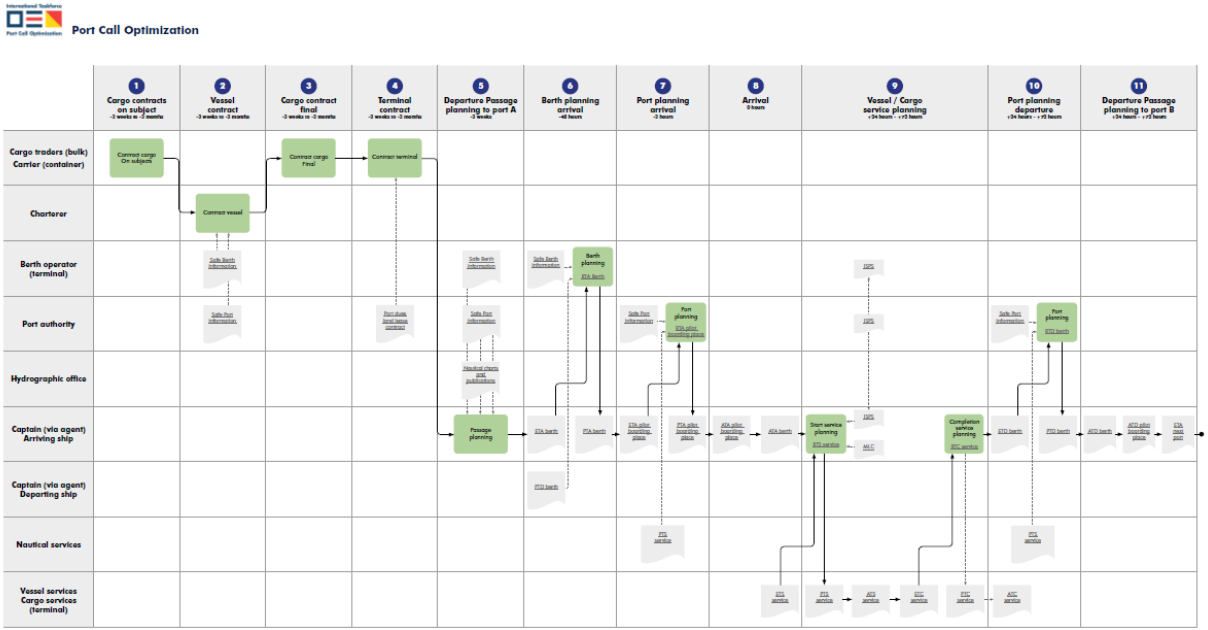
The Nautica Institute

Agenda – update 12/06/18

1) Agree on business process of port calls
2) Agree on minimum scope of data
3) Agree on functional definitions
4) Use of functional definitions by industry
5) Agree on data model and formats
6) Use of data model and formats by industry
7) Agree on quality ISO label
8) Use of ISO quality label by industry
9) Local roll out by industry
10) Global roll out by industry

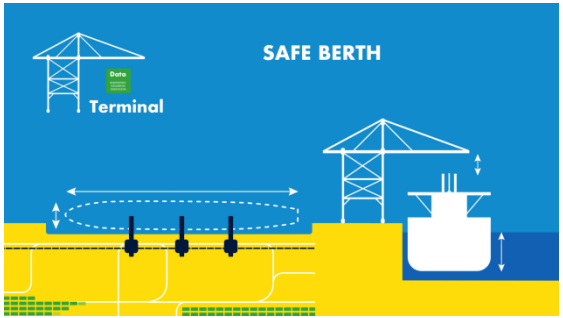
1) Agree on business process of port calls

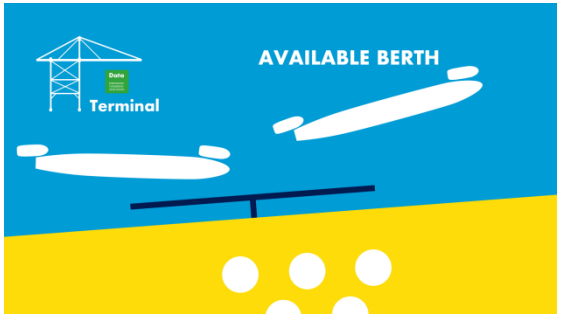
Done Q2/14

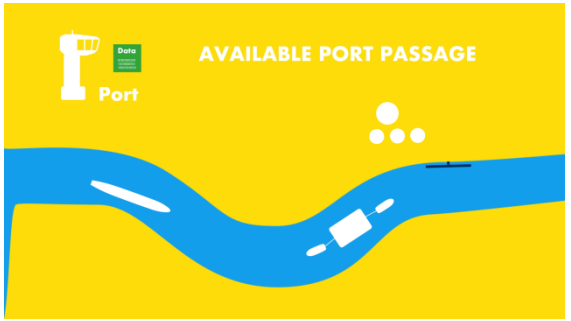


2) Agree on minimum scope of data

Done Q3/15

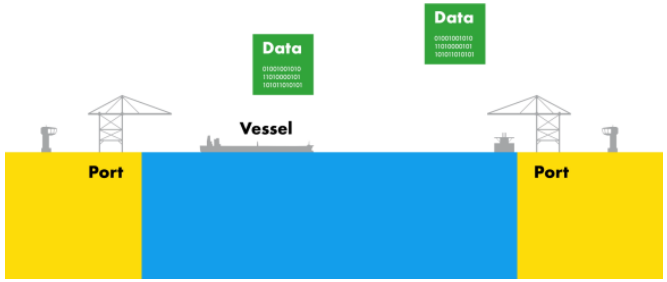






3) Agree on functional definitions

Done Q3/17



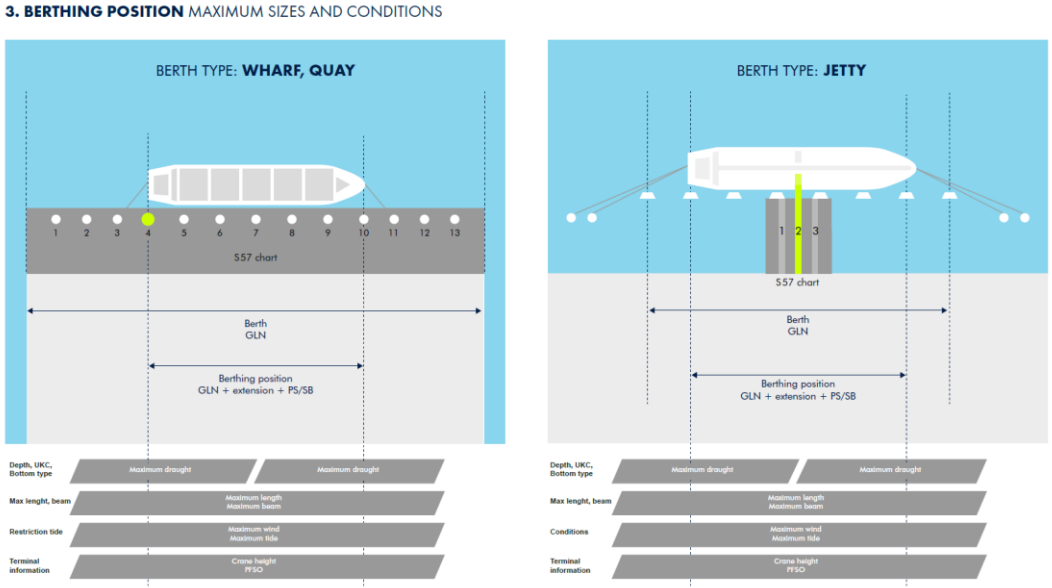
4) Use of functional definitions by industry

Done Q3/17

Shipping and agents	Ports	Standards partners	Endorsers
CMA-CGM	Algeciras	UKHO	BIMCO
Inchcape	Busan	GS1	IALA
Maersk	Gothenburg		IHMA
MSC	Houston		IHO
Shell	Ningbo-Zhoushan		Lloyds List Intelligence
Vopak	Rotterdam		Marine Traffic
	Singapore		STM
	Tanger Med		UK P&I
			Xvela
			IAPH
			Nautical Institute
			Green Award

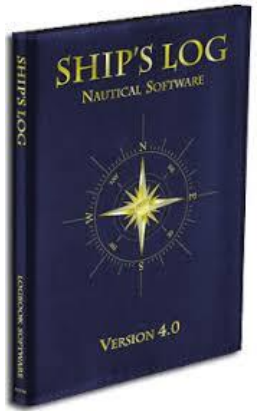
5) Agree on data model and formats

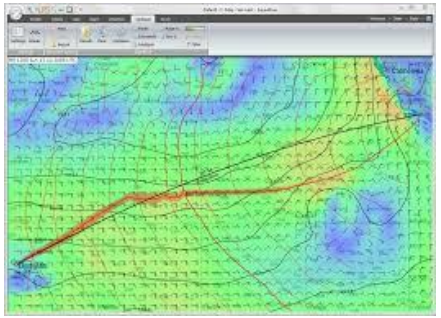
Q2/19



6) Use of data model and formats by industry

Q2/19





7) Agree on ISO quality label
Q3/18

8) Use of ISO quality label by industry

XX/XX

9) Local roll out by industry

2018

Basic data Berth and Berthing position ID Pilot Boarding Place – Berth sections ID	
Static data	**Dynamic data**
Minimum depth	ATA/ATD Berth
Maximum sizes	ETA / ETD Berth
Maximum conditions	PTA / PTD Berth

10) Global roll out by industry

XX/XX

Frequently Asked Questions

1) Shipping is 5000 years old, why have standards never been used?
2) Roughly 80% of goods is transported by sea, why have supply chain standards never been used?

Good news

- There’s nothing new
- Addressing existing contracts and resolutions, using existing definitions and technology, will already create dramatic improvements

Thank
you