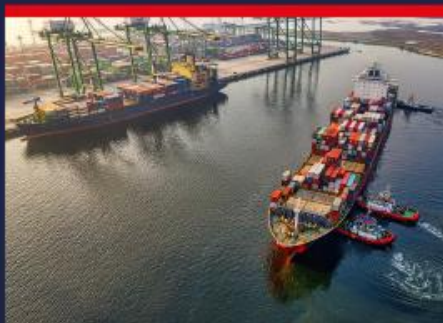# SMDG

Smart containers – Challenges for the terminal
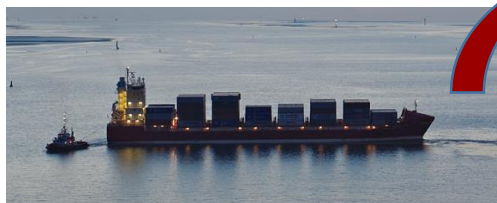
Jasmin Drönner
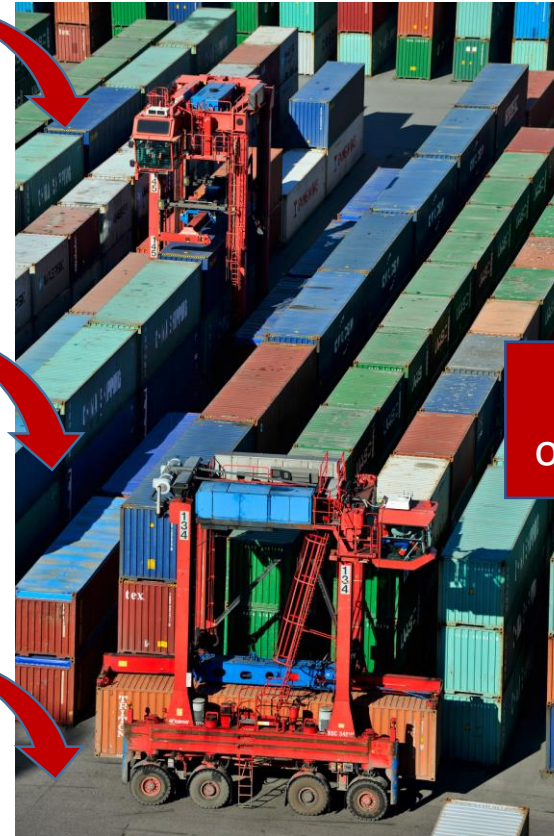
The terminal

Container arrival

Stowage in the yard

**Container departure
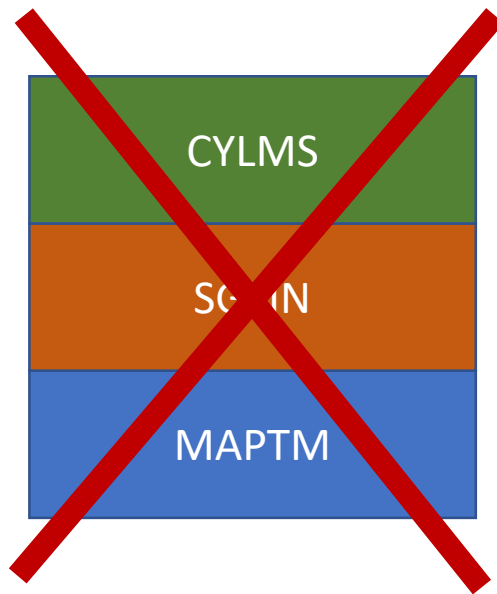by vessel/voyage**

Load
operation

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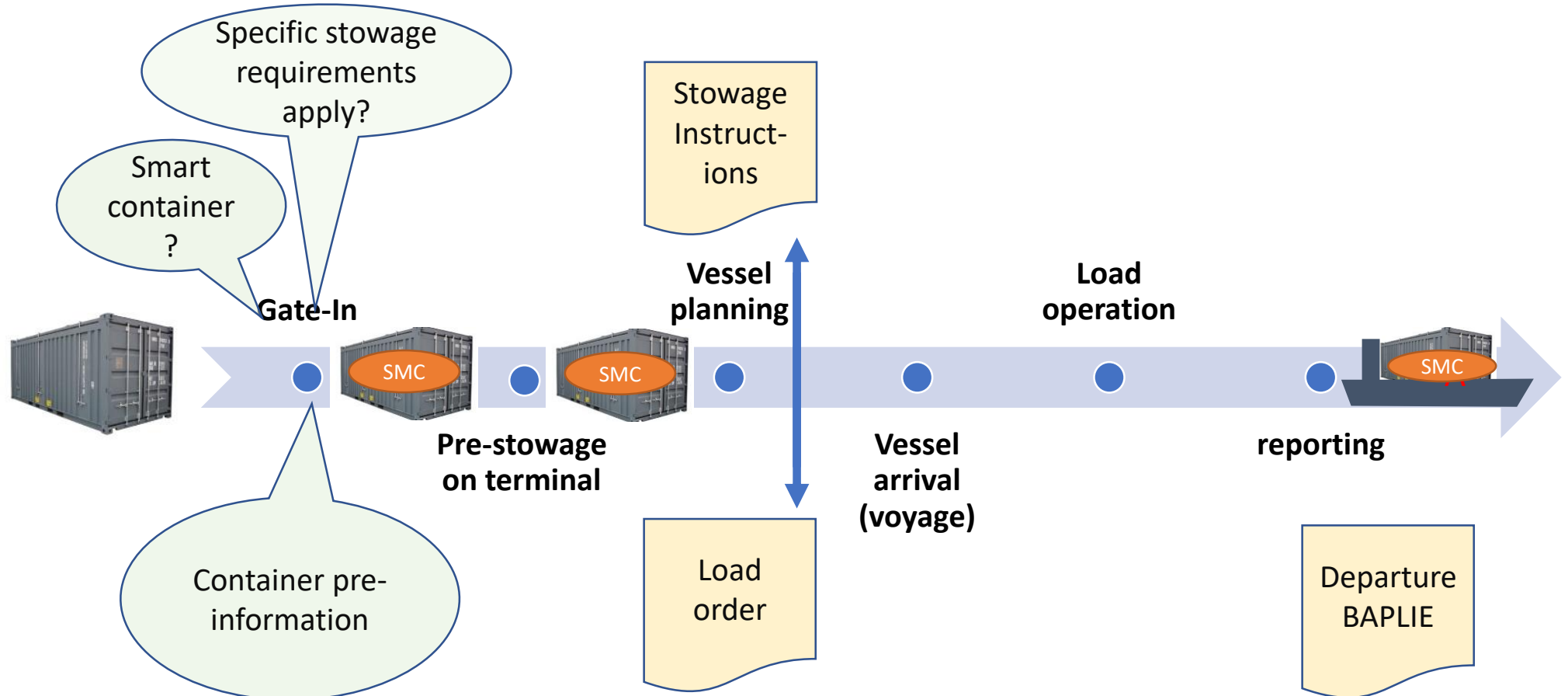Powered by:

EUROGATE
Container Terminal
Hamburg

The terminal: stowage in yard

Powered by:
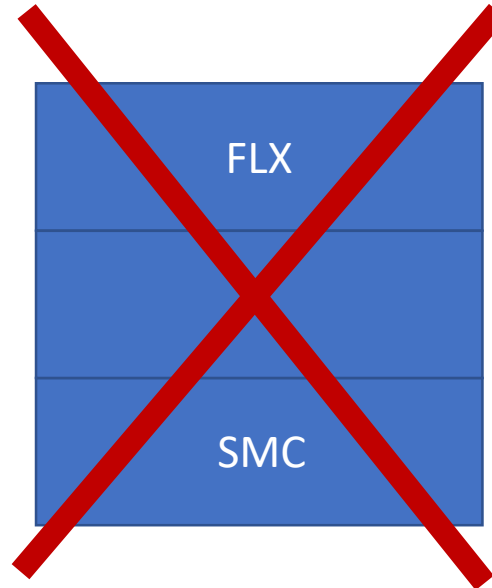
The terminal process

Retrieval of information

- Option 1:

  retrieve smart container information in
  - pre-arrival information   (COPARN)
  - load order   (COPRAR)
  - stowage instructions   (MOVINS)

FTX+ACF++SMC
FTX+ACF++SMC
FTX+ACF++SMC
FTX+ACF++SMC
FTX+ACF++SMC
(D.95B)
or
ATT+27++SMC
(D.00B)
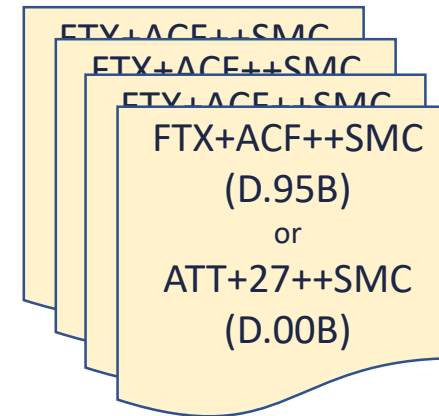
- Option 2:

  store SMC information in ...
  - container master data table and
  - assign to container if applicable

Database

SMC

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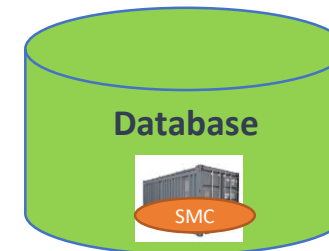
SMC - Option 1

SMDG

Prior arrival (vessel)

- Vessel Schedule
- Arrival BAPLIE
- Discharge list (COPRAR Discharge)

Smart container?

Specific stowage requirements apply?

Gate-In

SMC

Cont. Pre-Information (COPARN)

SMC

Pre-stowage on terminal

Stowage Instruct-ions (MOVINS)

SMC

Vessel planning

Load order (COPRAR Load)

SMC

Vessel arrival (voyage)

Load operation

SMC

SMC

reporting

SMC

Departure BAPLIE

SMC

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Container Terminal Hamburg
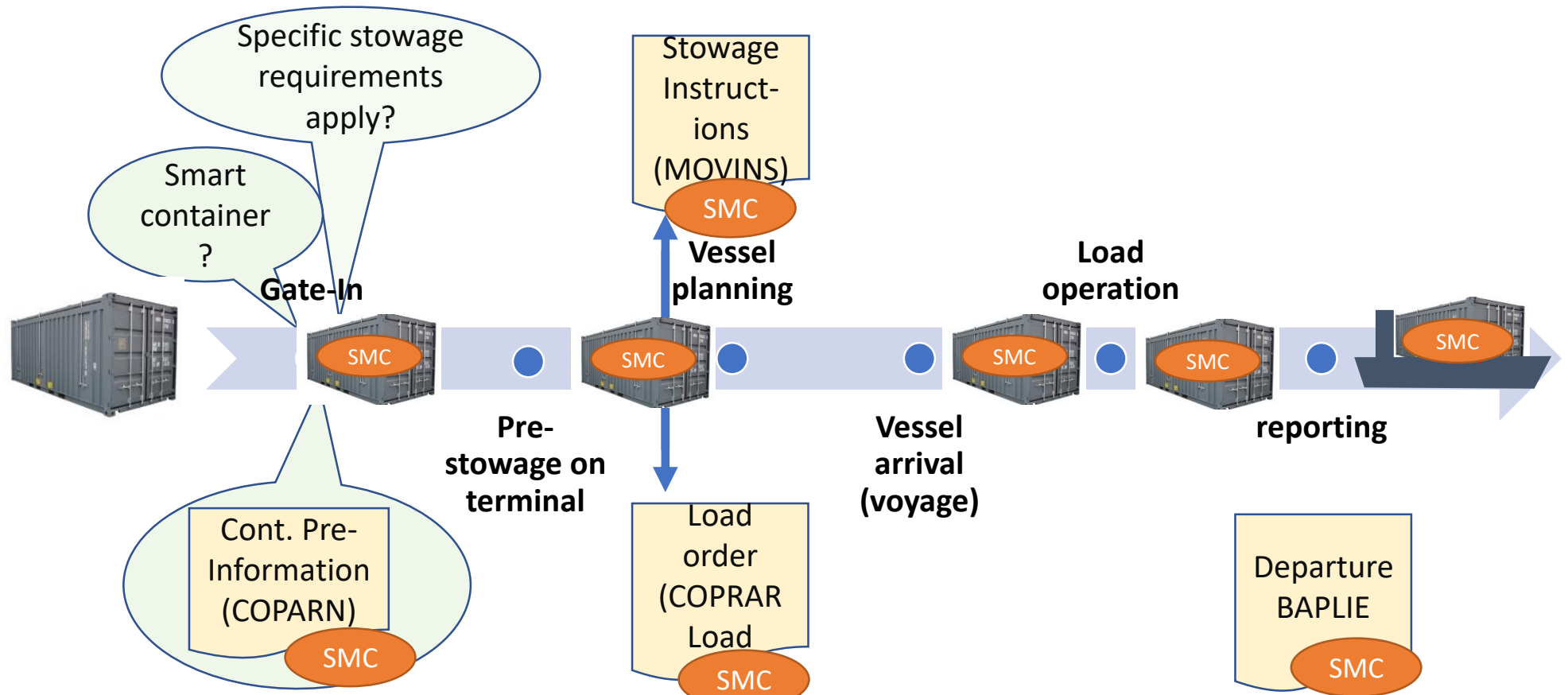
Option 1 - what do we need?

- code

- syntax

- message

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Option 1: where to find the code

ATT+27++SMC:ATTRIBUTES:306 (D.00B)
in messages that contain the ATT segment

FTX+ACF++SMC:ATTRIBUTES:306 (D.00B)

**FTX+ACF++SMC:ATT:306   (D.95B)**
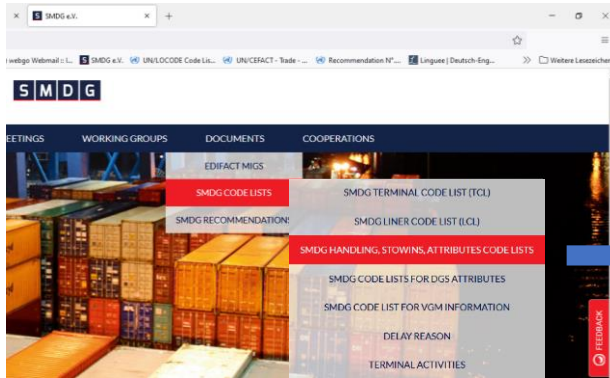
v20210625

SMDG Attribute code list

Definition: | **These codes define properties or Status of a transport equipment on a specific means of**

DE 1131= ATTRIBUTES | **Examples:**

ATT+27++SMC:ATTRIBUTES:306'
FTX+ACF++SMC:ATTRIBUTES:306' (D.00B and later)
FTX+ACF++SMC:ATT:306' (before D.00B)

Code	Name	Category	Description
SMC	Smart Container	PROPERTY	Smart Continer
SMP	Container with passive tag	PROPERTY	Container equipped with an passive tag (e.g. RFID) enabling automatic registration
SQ	Stuffed on quay	STATUS	Equipment stuffed on quay
STC	Steam cleaned	STATUS	Steam cleaned
SVY	Surveyed	STATUS	Surveyed
TCR	Timber control treatment performed	STATUS	Timber control treatment performed
UCI	Prepared for UCIRC Standard	STATUS	Prepared for UCIRC Standard, UCIRC: Unified Container Inspection & Repair Criteria
UQ	Unstuffed on quay	STATUS	Equipment unstuffed on quay
V3Q	Vents three quarters open	STATUS	Vents three quarters open
VCL	Vents closed	STATUS	Vents closed
VFO	Vents fully open	STATUS	Vents fully open
VHO	Vents half open	STATUS	Vents half open
VQU	Vents one quarter open	STATUS	Vents one quarter open

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Option 2: stored in database

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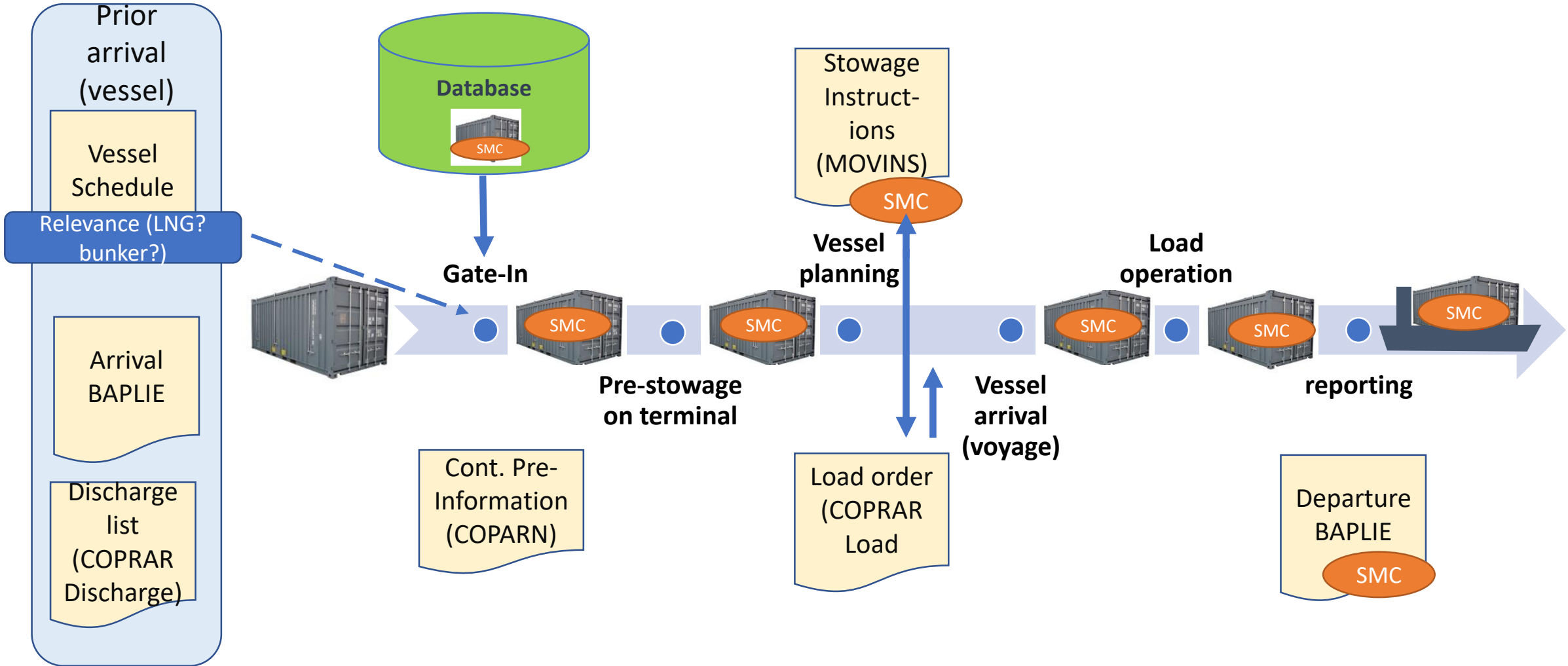
Thank You

Presented by: Jasmin Drönner