Norway: Interfacing SSN and Port systems

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AGENDA

Port Community System

Integration SSNN

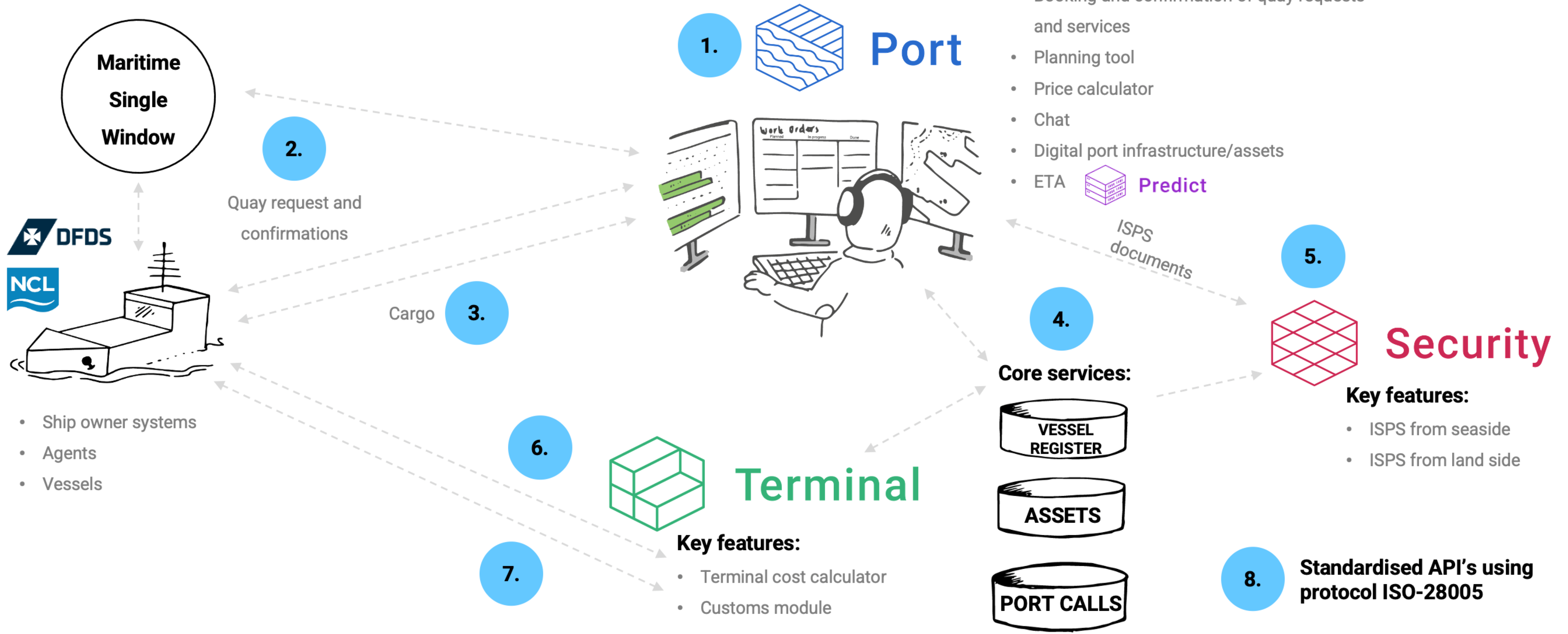Iintegration SSNN, next step

PORT COMMUNITY SYSTEM

Port Community System

1. Digitizing all port activities; including assets, services, communication

2. Using standardized, documented APIs for data exchange

3. PCS should always offer the port's services in two ways:

   A. As **valuable applications** for all stakeholders offering self-service features

   B. As **data services**, for customers to utilise their data in a broader context
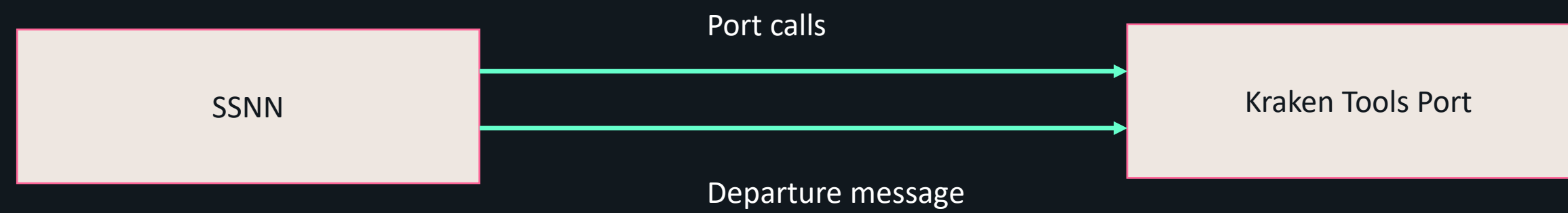
Aegis

Port Community System – focus areas

Maritime Single Window

1. Port

2. Quay request and confirmations

3. Cargo

- Ship owner systems
- Agents
- Vessels

Key features:
- Map
- Booking and confirmation of quay requests and services
- Planning tool
- Price calculator
- Chat
- Digital port infrastructure/assets
- ETA **Predict**

ISPS documents

5.

4.

Core services:

VESSEL REGISTER

ASSETS

PORT CALLS

Security

Key features:
- ISPS from seaside
- ISPS from land side

6. Terminal

7.

Key features:
- Terminal cost calculator
- Customs module

8. **Standardised API's using protocol ISO-28005**

Kraken Tools

Integration Safe Sea Net Norway

```
┌─────────────────┐      Port calls          ┌─────────────────┐
│                 │ ───────────────────────> │                 │
│      SSNN       │                          │ Kraken Tools Port│
│                 │ ───────────────────────> │                 │
└─────────────────┘   Departure message      └─────────────────┘
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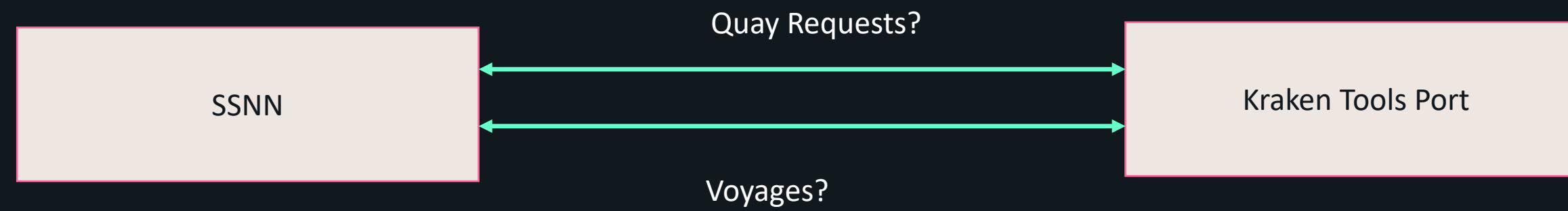
SSNN Port calls are synced to Kraken Tools Port

Changes in SSNN are synced to Port

SSNN Departure message -> update of ETD in Port

Integration SNNN Next Step

SSNN	← Quay Requests? →	Kraken Tools Port
	← Voyages? →	

SNNN Quay requests: SSNN API supporting suggest

new quay or confirm / deny suggested quay

SNNN voyages: SSNN API for creating voyages

Integration SSNN Next Step

ETA, RTA and PTA flow

- Changes in ETA from shipping company or RTA from Port should result in a negotiation flow to agree upon PTA

- Two way integration (Not possible in some countries)

ISO 28005

DISCUSSIONS