

e-Freight port automation



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Chairman of the SIFA IT Project Group
Swedish International Freight Association



Stena Sphere total revenue 47 000 MSEK (2009)



Stena Line



Stena RoRo



Stena
Bulk



Northern
Marine
Management



Stena Drilling



Stena
Fastigheter

**Stena Line – one of the world's
largest ferry companies**

Operating 17 routes with 33 ferries

Figures 2010

Revenue 9 billion SEK

1,3 million freight units

Stena
Metall



Stena
Finans



Stena
Adactum



Pilot stakeholders

Hauliers/Forwarders



Hauliers/Trucks



Sea



e-Freight standard framework

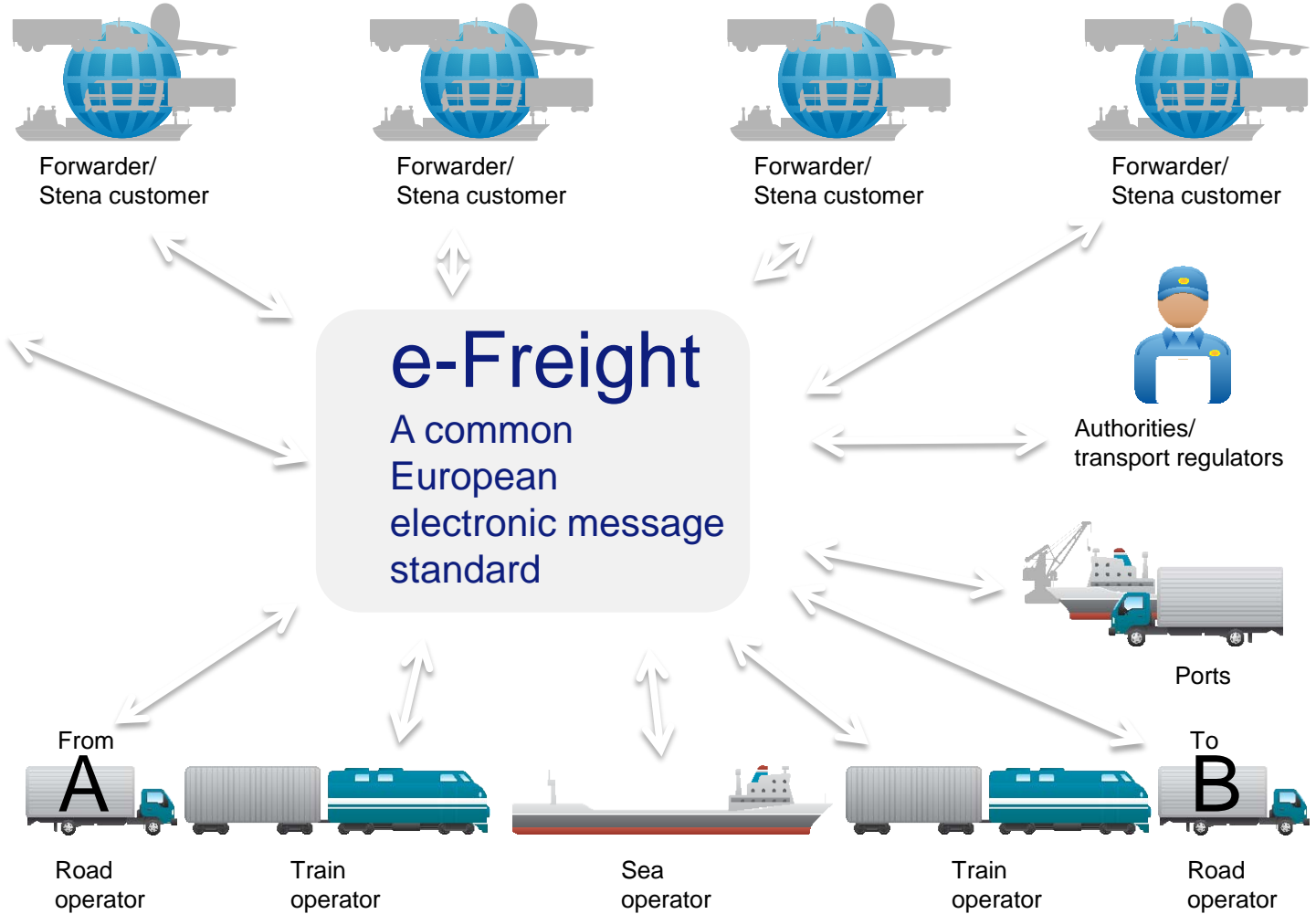
PHAROS

National standards and e-Freight co-exist, either can be used

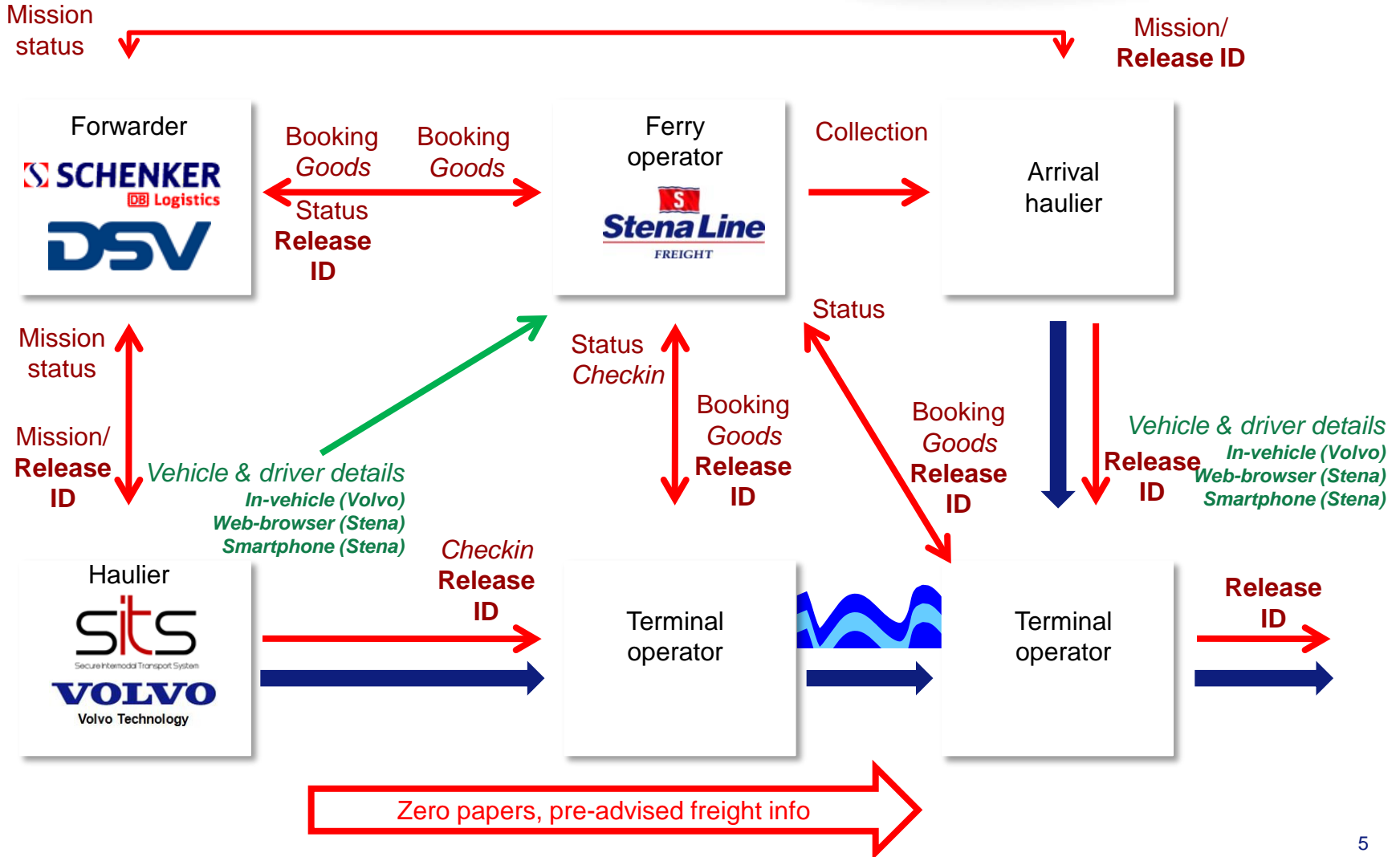
Forwarder/
Stena customer

Order ↑
↓ Delivery

Shipper/
end customer



Project concept



Pre-check-in

Forwarder(s)

Mission with
release ID

Haulier
back-office



Pre-check-in is done for

- driver accompanied units
- driver un-accompanied drop missions
- driver un-accompanied collect missions

Truck driver



Port check-in
office



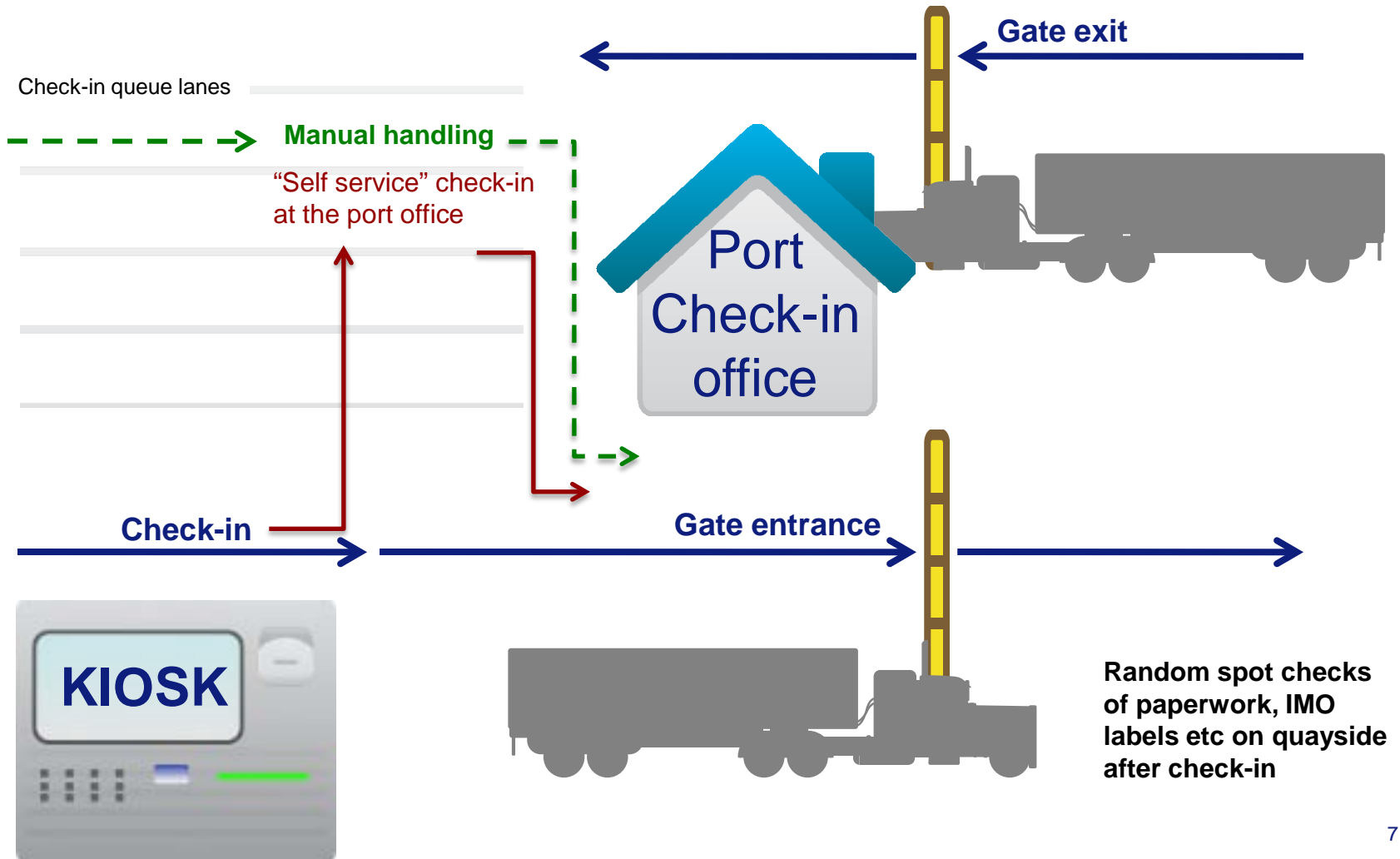
Pre-Check-in via **Internet page** or **Smartphone** using release ID as key

Pre-Check-in via **Internet page**, **Smartphone** or **in-vehicle system** using release ID as key

Pre-Check-in on **PC's** located in the **check-in office** at port arrival using release ID as key
“Self service check-in”

Physical check-in & check-out

Speedgate



Benefits

- Saved **10 minutes** in average* for every port entrance
- **50%** reduction of manual check-in activities
- **Reduce most** dangerous goods paperwork in a longer perspective
- **Increased security** with freight unit under continuous observation - optionally 24 hour port access
- **Time-defined** check-in / check-out process
- New events to be pushed to transport planners and hauliers via the e-Freight platform status services like ***Loaded, Unloaded, Parked for collection, Collected***
- Faster and more accurate processing of LSC information, **reducing port arrival problems earlier** in the planning process

* During autumn 2008, Stena Line, DSV and Volvo carried out an R&D project - the Port Pilot project - on a similar e-Freight concept where this was measured but not statistically secured.

Project schedule

2010 Q1 Q2 Q3 Q4 2011 Q1 Q2 Q3 Q4 2012 Q3 Q4 2013

