



ECITL 2013, Zaragoza

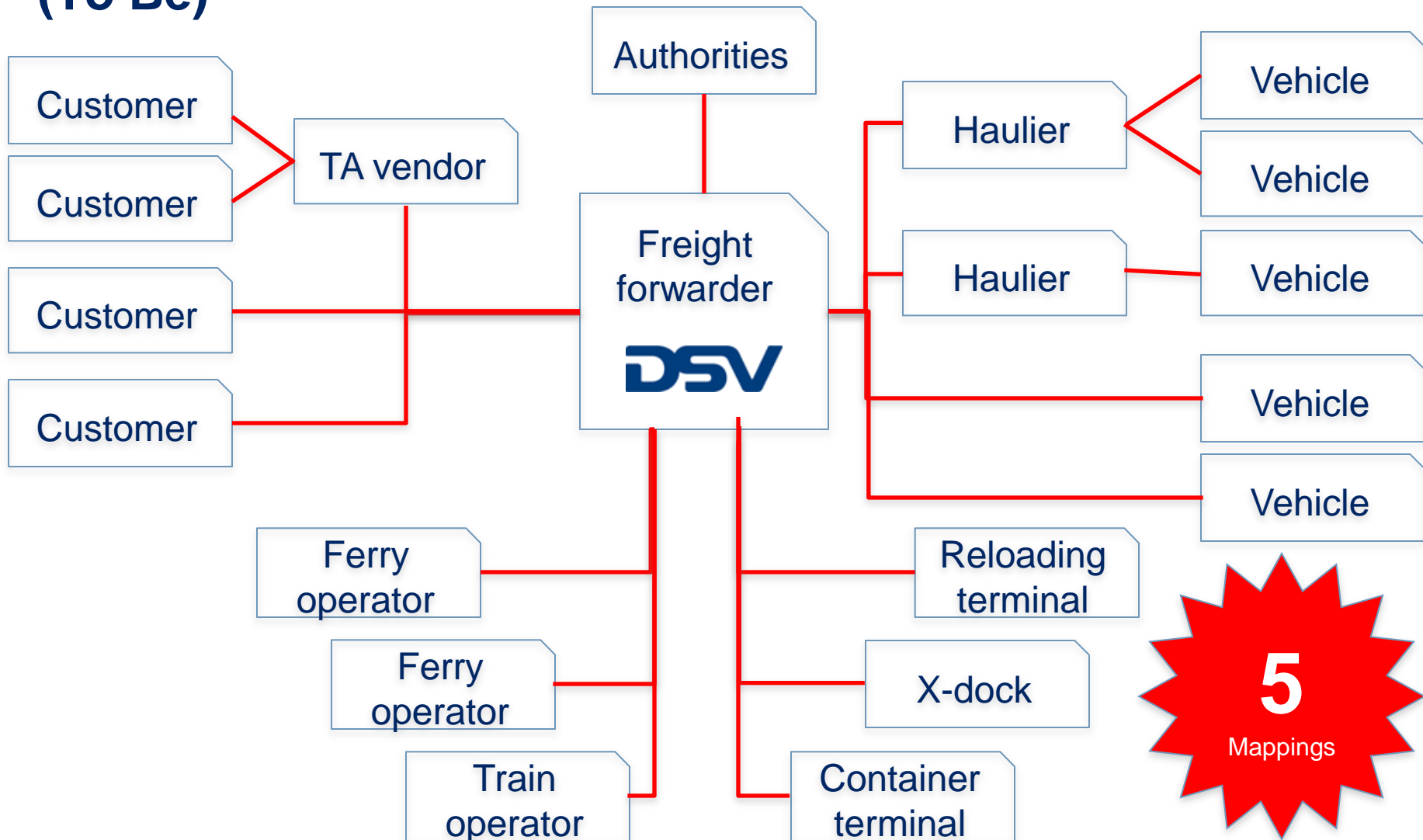
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How it started and what we have done

- Pharos project in Sweden 1997 based on EDIFACT
- DSV – Stenaline booking service based on SOAP
- Developing the GS1 LIM xml messages
- Partners in the EC funded eFreight project



Fewer message mappings & communication setups (To Be)



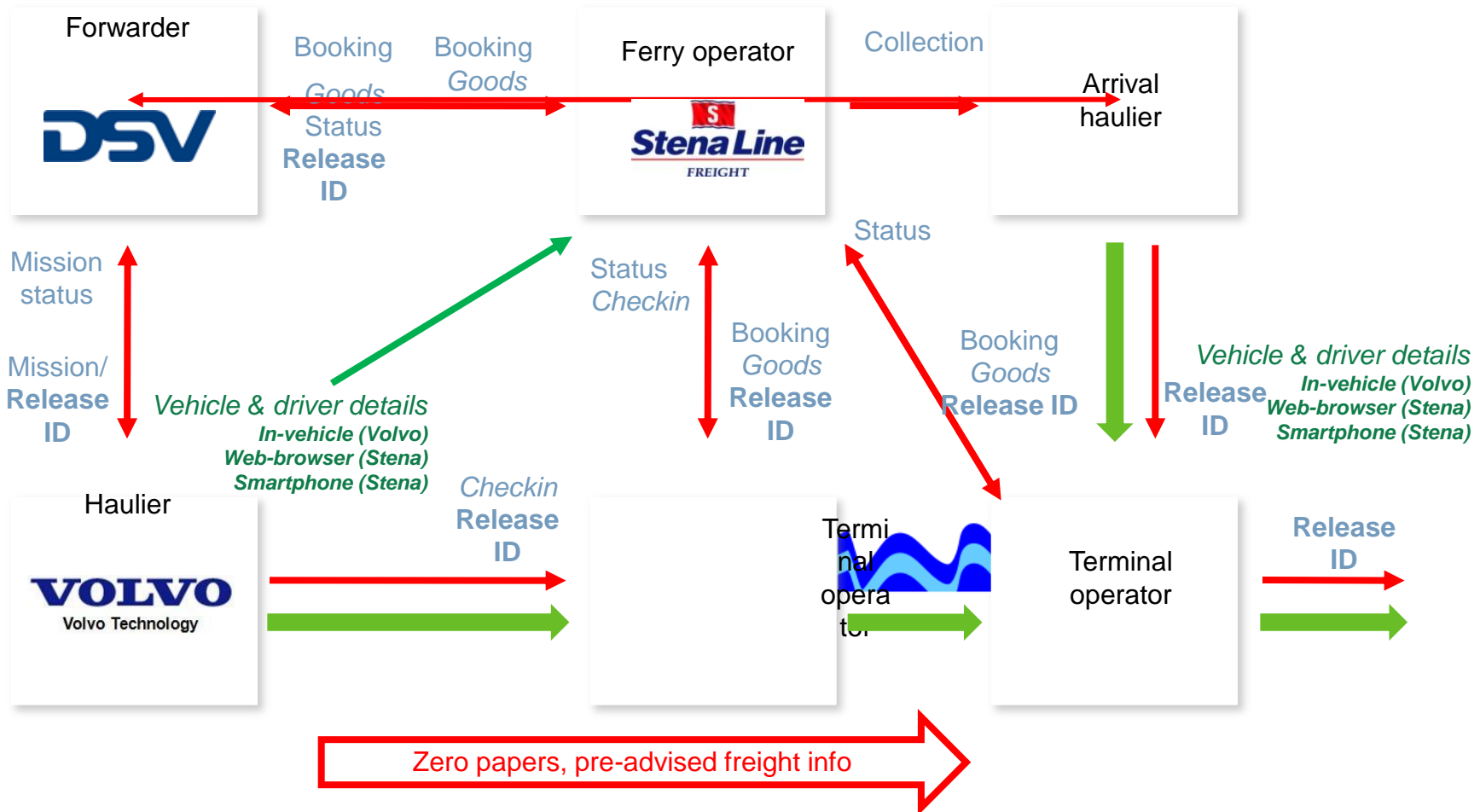
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Mappings

e-Freight pilot concept BC1



Mission status

Mission/
Release ID



DSV terminal in Landskrona uses Transportinstruction & transport status messages from GS1 LIM



About the message and implementation



Implementation guides instead of subsets

- Customer guide
- Ferry / train guide
- Haulier guide
- Terminal operator guide

- The message is complex, not complicate
- It seems to cover most of the use cases in a complex transport chain.
- It's scalable and can be used by everyone wherever you are in the transport chain.



COMMUNICATION BETWEEN SYSTEMS

**AS EASY AS SENDING
AN E-MAIL**



E-FREIGHT ACCESS POINT EAP

IS BASED ON PEPPOL

eFREIGHT ACCESSOR POINT

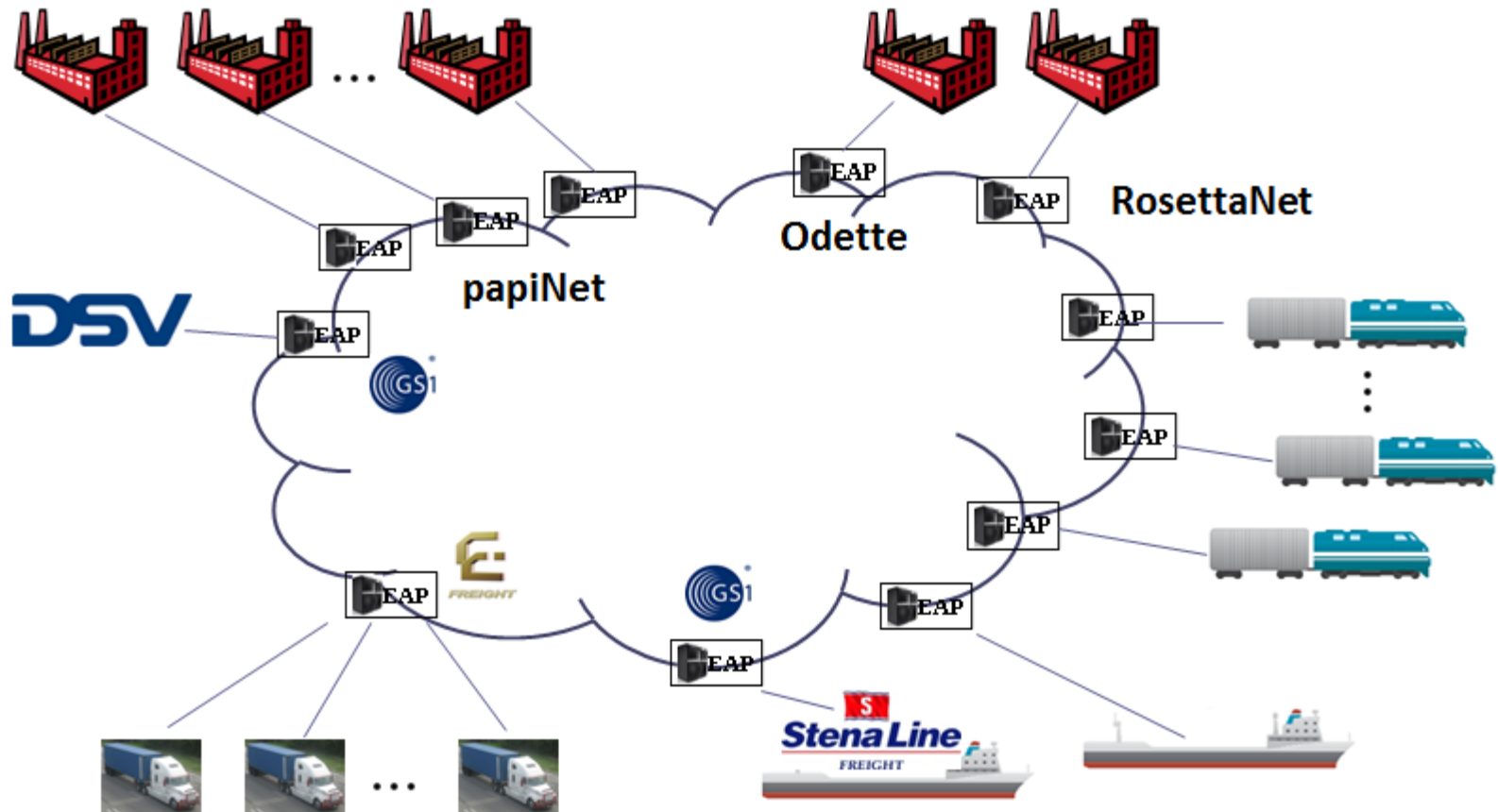


- Push funktionalitet
- Profiles - Kinks messages and procedures together
- Cache adressers on the SMP

e-Freight communication concept



Connect once – utilise infinitely



Implementation with DSV Partners



Implementing interface with Viking line based on findings from eFreight.

Benefits from eFreight is that time to market and implementation is reduced by 60%.

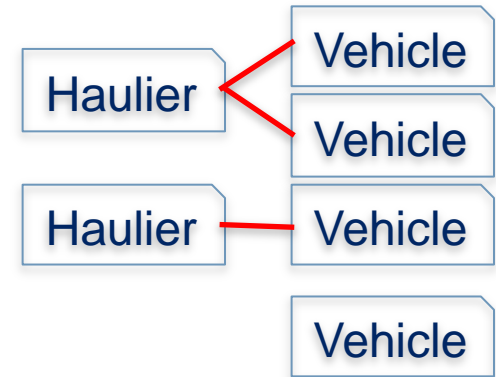
Implementing a new interface with an European train operator and are using benefits from the eFreight project messages and communication solutions.

Continue to establish and upgrade interfaces with our partners based on findings from the eFreight project.



What next...

➔ Establish integrations with different truck manufacturers to make data exchange with our vehicles more efficient and easier.



➔ The need of share environmental data increases.
Mechanisms for separate public and private data is important.

➔ We must create modern and efficient repositories to handle event data and make it easy to share both internal and external.
Here, EPCIS is our preferred solution.