The e-Freight (Common) Framework – From an IT provider Perspective

Dr.ing. Jan Tore Pedersen

ISO/IEC DIS 19845 – From an IT provider Perspective

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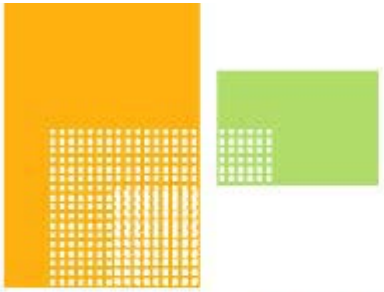
Industry Communities and Standards



IATA

OASIS UBL
Advancing open standards for the information society

ODETTE

papiNet®

ROSETTANET

TAF TSI

SMDG

UIRR
INTERNATIONAL UNION
FOR ROAD-RAIL
COMBINED TRANSPORT

GS1

LOGINK

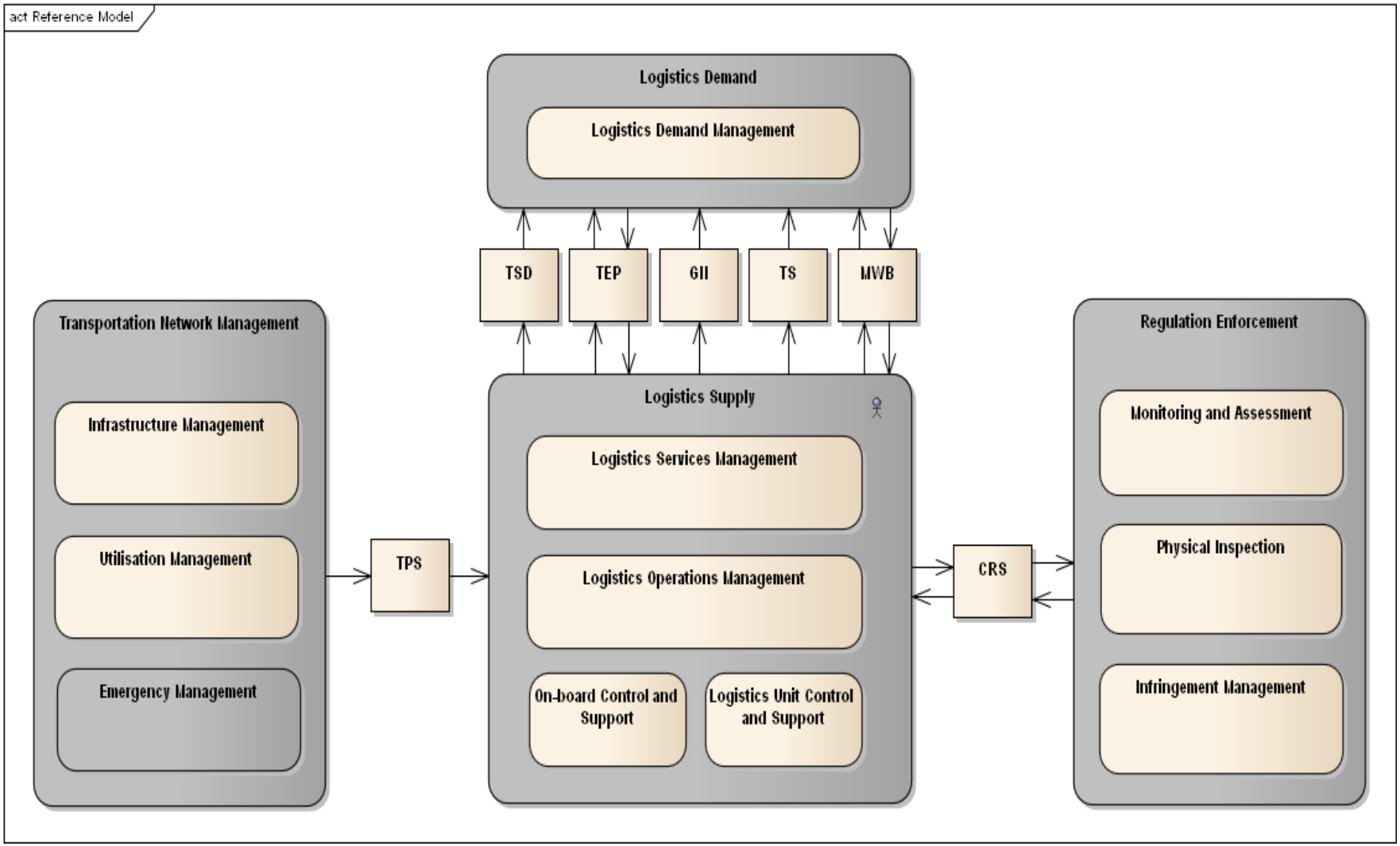
NEAL-NET

cen

UN/CEFACT

MARLO

Reference Model



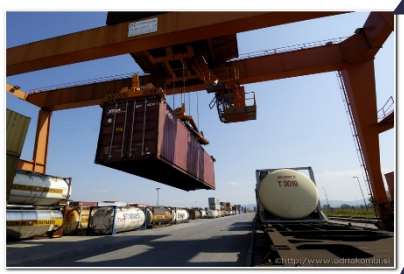
Recent Example

Freight Forwarder

Booking hinterland transport

Booking ocean freight

Adria Kombi



Carrier

Cargo destination information

COPRAR loading list

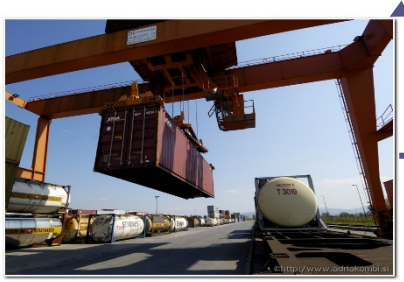
Port of Koper

MARLO

Solution

Freight Forwarder

Adria Kombi



Carrier

ISO/IEC DIS 19845

COPRAR

ILU message associating a container number with a train number or a destination city

Enhanced COPRAR

Port of Koper

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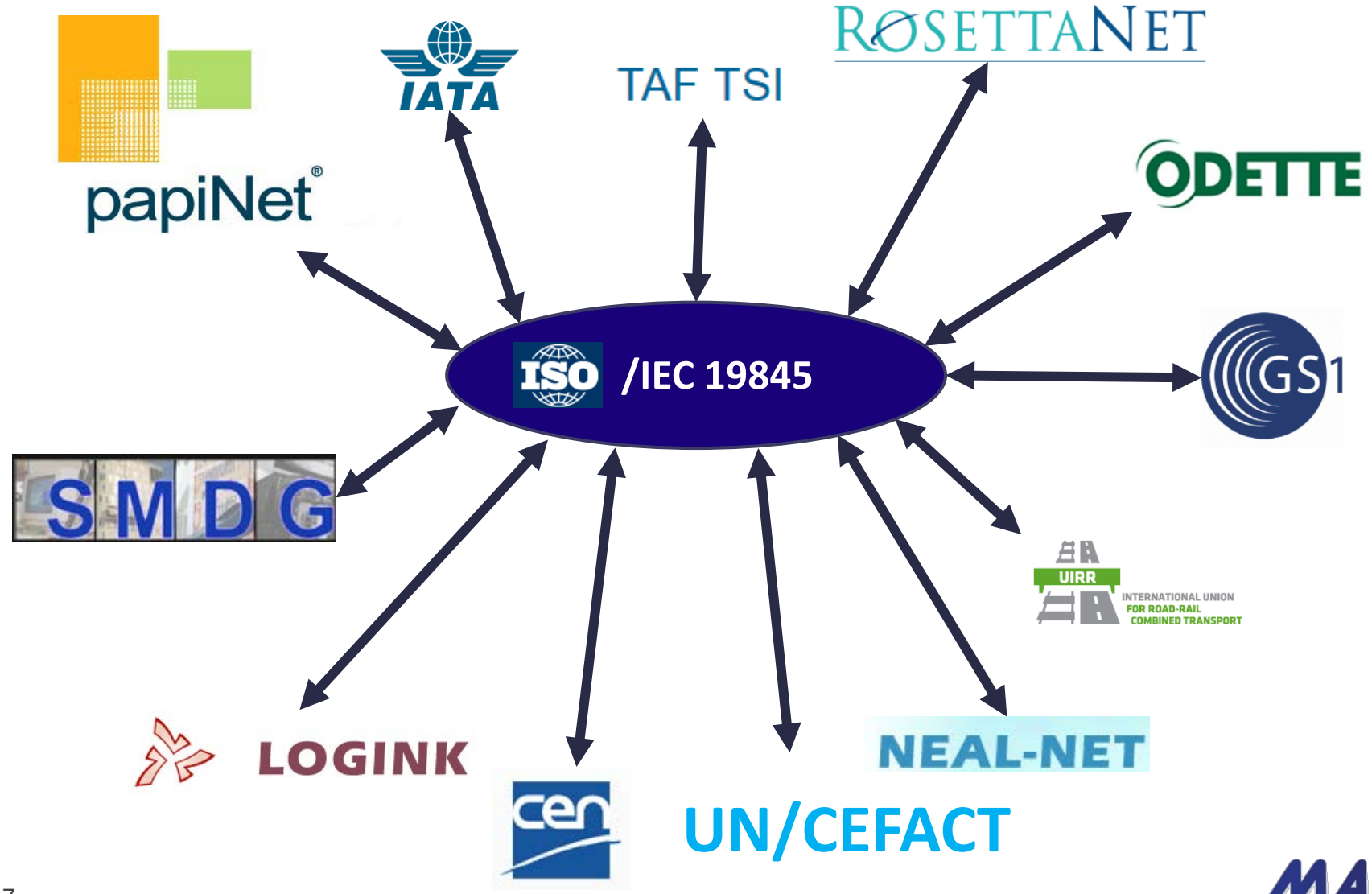
Interoperability



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Connectivity and Interoperability

- Two sides of the same coin
- Challenge: Provide interoperability and connectivity "***without changes***" to existing to existing legacy systems
- ***Connect once*** – communicate with all "friends" that are connected

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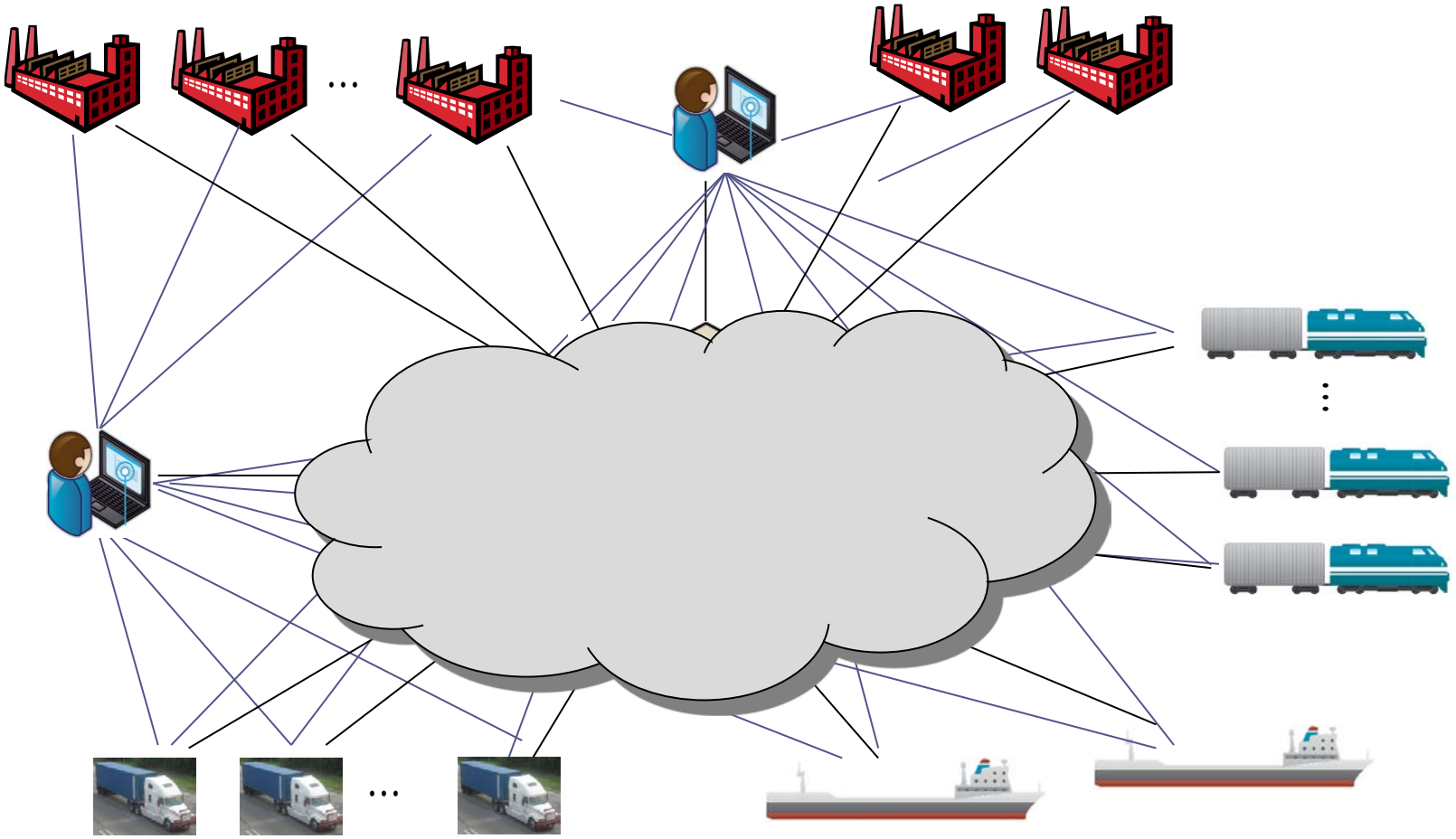
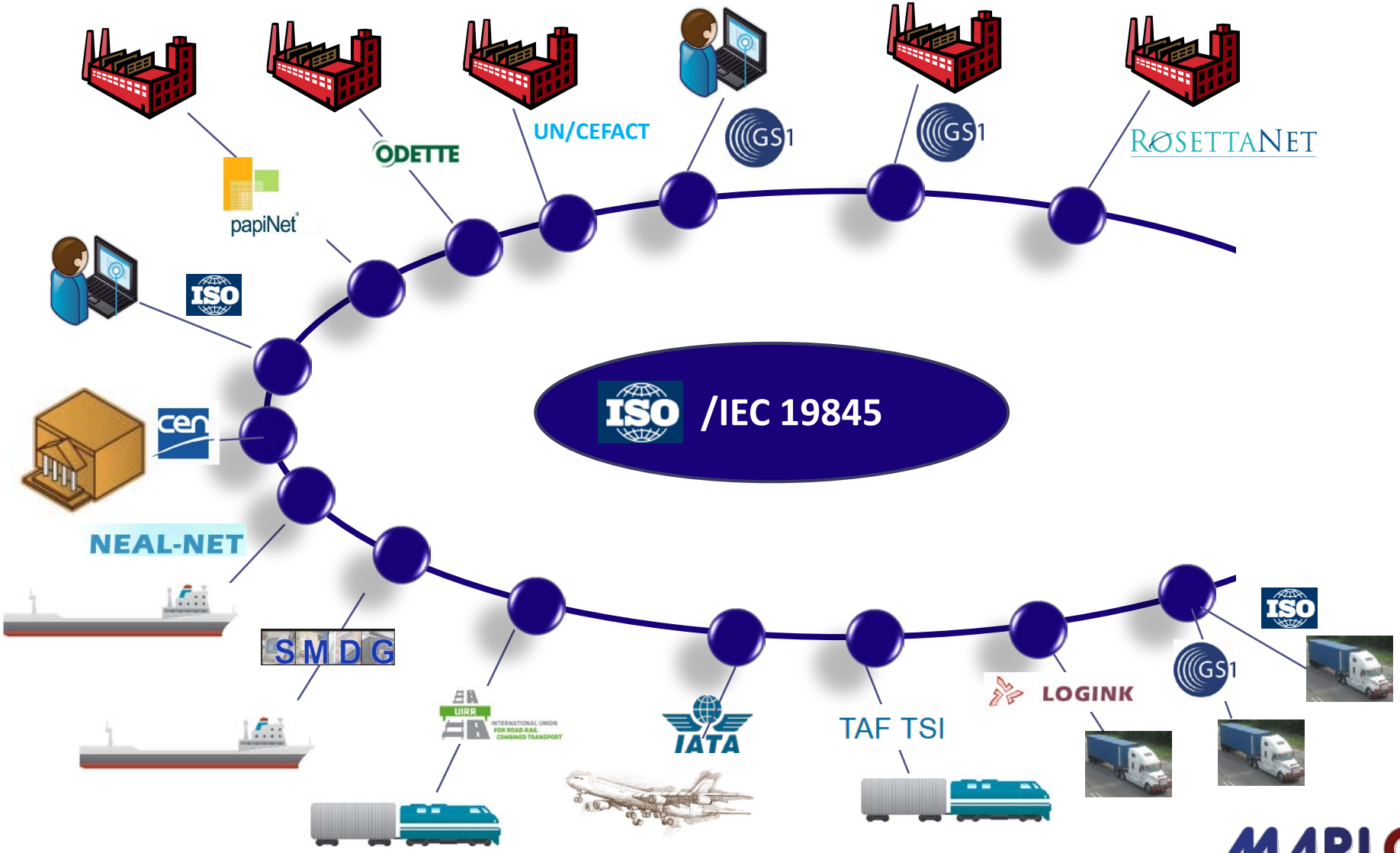
AS-IS Connectivity



The future is now



How it works

GS1

UIRR INTERNATIONAL UNION FOR ROAD-RAIL COMBINED TRANSPORT

SMDG

ISO

IATA

ISO /IEC 19845

Receive
Convert to ISO/IEC 19845
Identify access point of receiver
Send

Receive
Identify receiver (profile)
Convert from ISO/IEC 19845
Send

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ISO/IEC 19845 - Common Framework

- Based on a reference model that incorporates requirements from:
  - ✓WCO data model
  - ✓Multimodal framework ARKTARNS
  - ✓Requirements from all types of logistics stakeholders
  - ✓Conceptually harmonised with LIM form GS1
  - ✓ITIGG (International Transport Implementation Guidelines Group)
  - ✓Guide to the UN/EDIFACT containers messages
  - ✓Ports of Singapore and Hong Kong
  - ✓US Dept of Transport.
  - ✓UN/CEFACT

- Provides the best available basis for interoperability in freight transport and logistics

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Thank you!

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