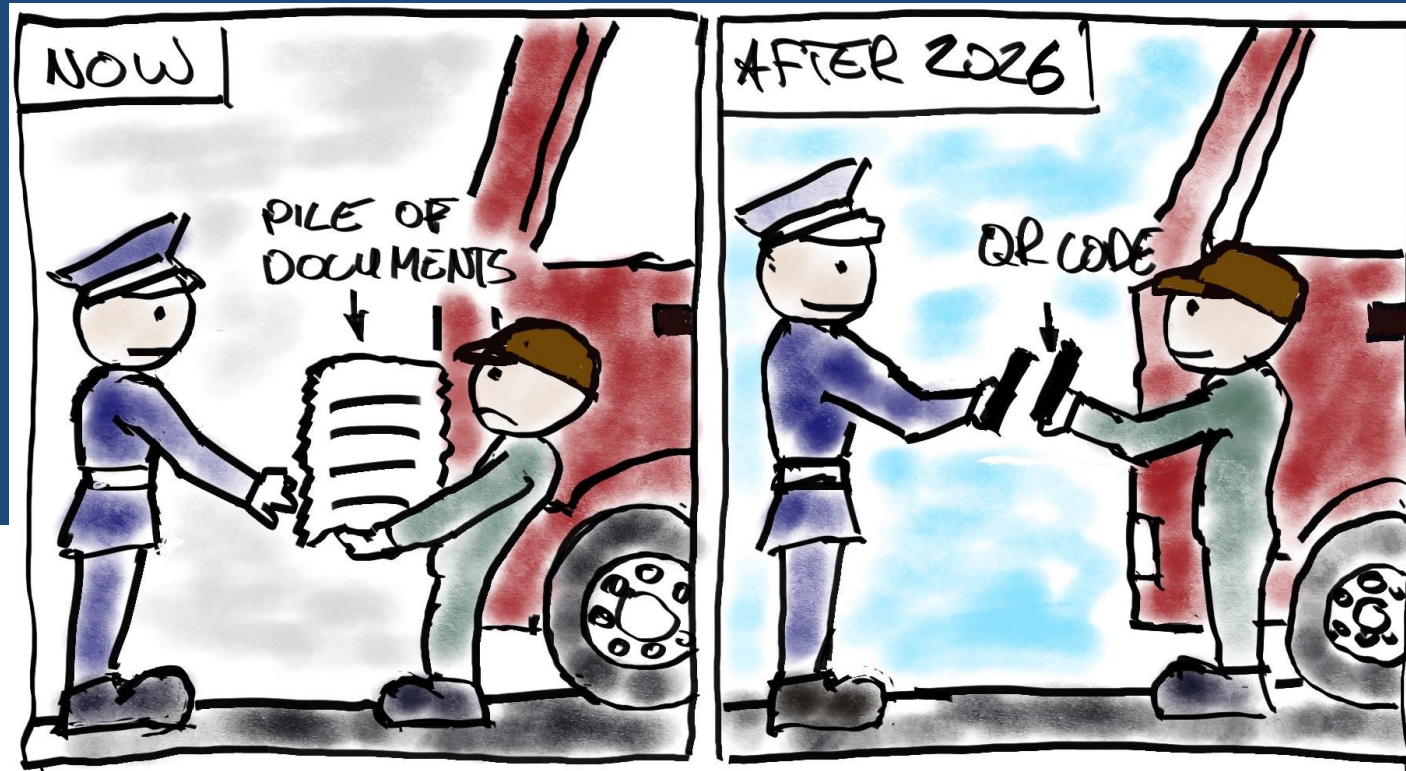


13 months left
11 June 2027

eFTI in practice (a very simplified vision)...



source: DTLF, Digital Transport and Logistics Forum

51Biz Luxembourg

- Route Economics and Profitability Planning
- multimodal data model compliant with WCO, IATA, UN/CEFACT
- e-Cargo Manifest
- Flowers from Colombia
- customs goods accounting
- pre-arrival notification
- AS4 message integration
- Fine art from New York
- EU-Gate e-CMR / eFTI access Point
- OneAPP for Authorities
- FEDeRATED, OneRecord by design
- Trusted network of e-CMR and eFTI Platforms
- Focus on SME Shippers, Forwarders and carriers
- e-CMR 2.0

Cargolux
PwC

Single Window
for Logistics

Luxembourg
Security Hub

FEDeRATED
EU-Gate LL17

eFTI4EU
eFTI4ALL
eFTI4Live



- 64+ multimodal use cases
- Sandbox, then go Live

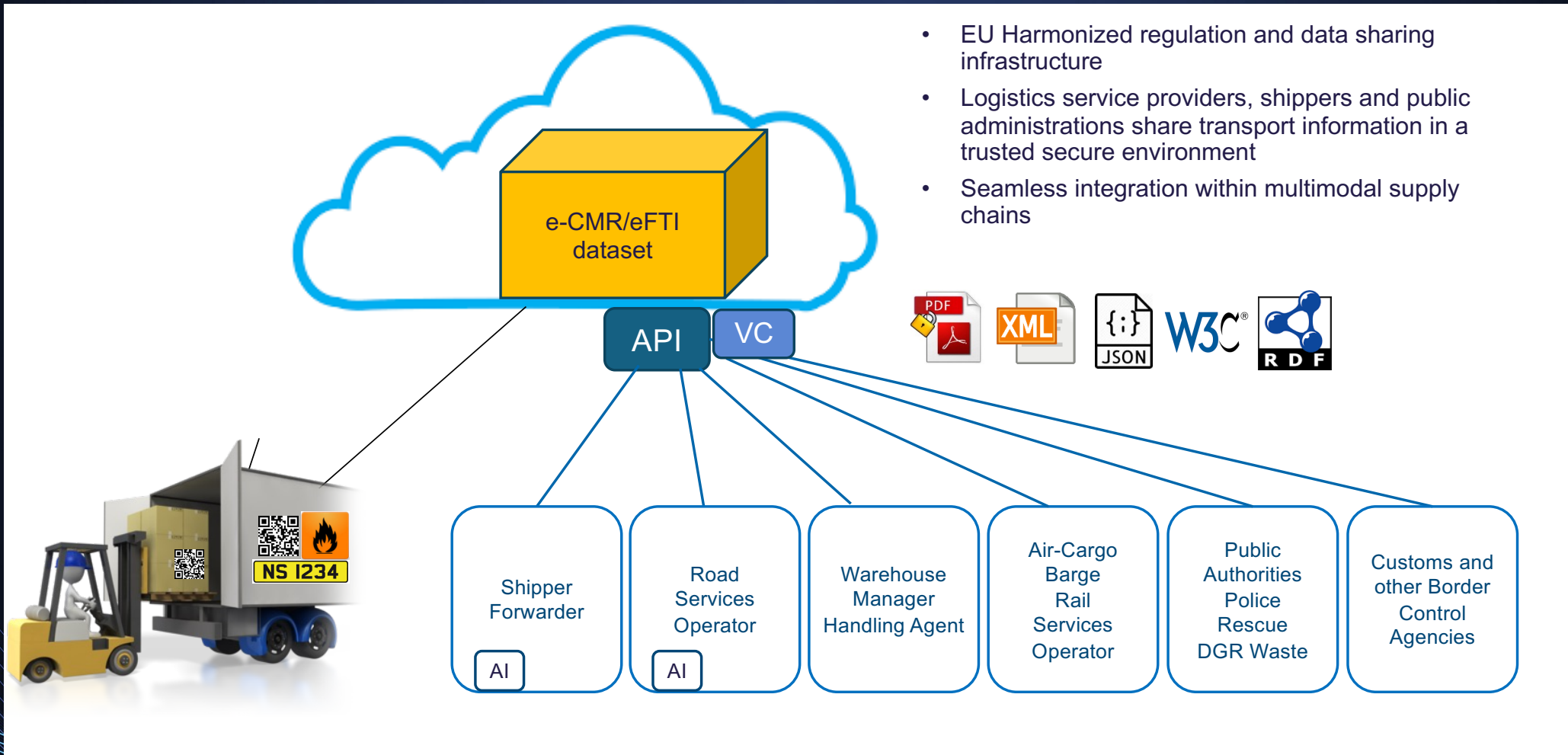
Flowers from Colombia



Fine Art from New York



All parties have access to latest information



51Biz is member of the EET eFTI Expert Team



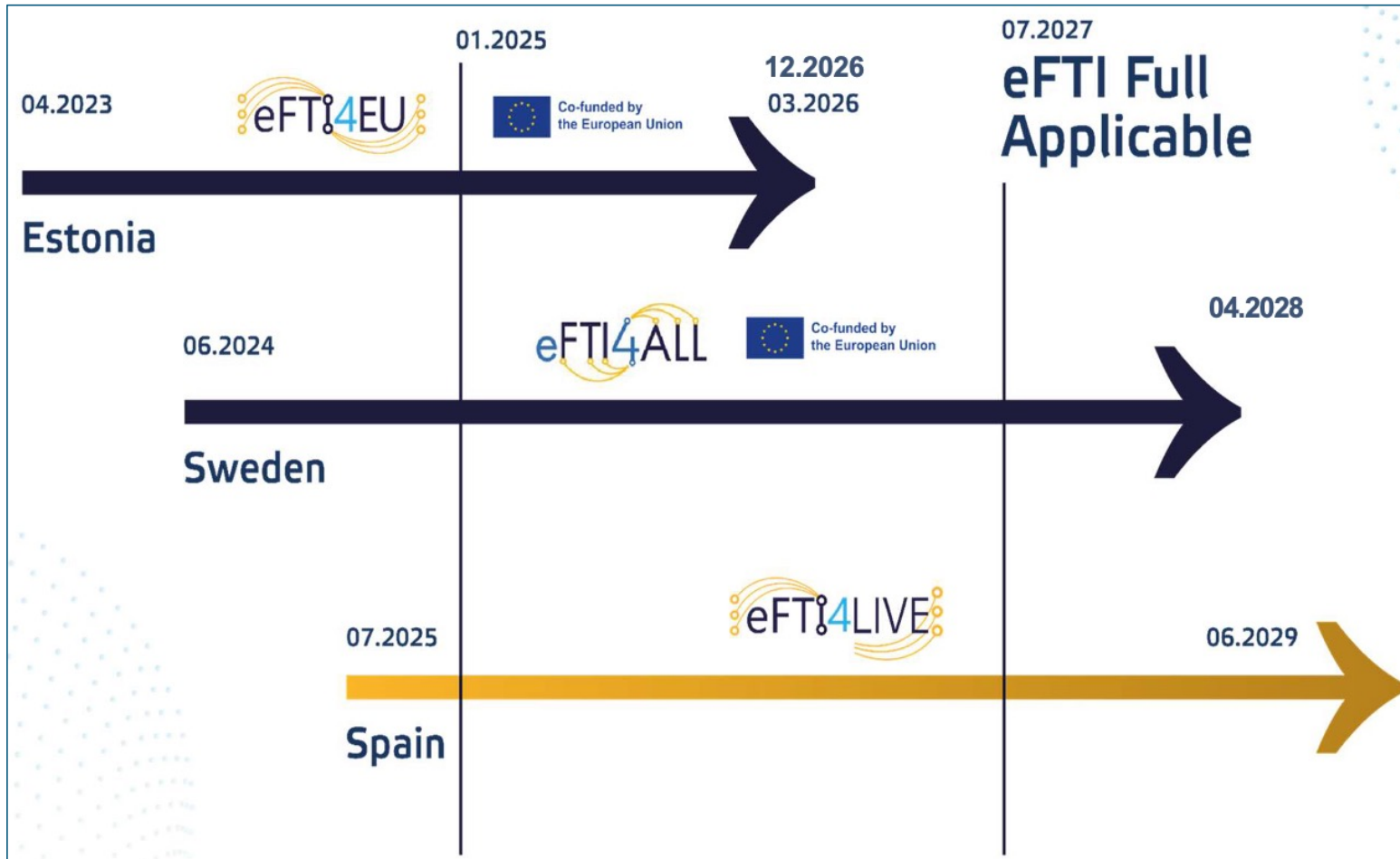
- 2019-2024
- 5 MS
- Network of federated platforms
- Participants agree on
 - Interoperable semantics
 - Process and API Repositor
 - How to identify and trust each other
 - Identifiers and search mechanism to implement linked data
- e-CMR/Pilot projects with Simple, BDI, OneAPP for Authorities

- 2023-2026
- 9 MS
- Focus on eFTI Gates, processes and interfaces
- eFTI Reference architecture
 - Basis for MS to develop national implementation
 - Test interfaces of eFTI Gates within e-Delivery exchange environment
- Finetune and validate EU eFTI secondary regulation

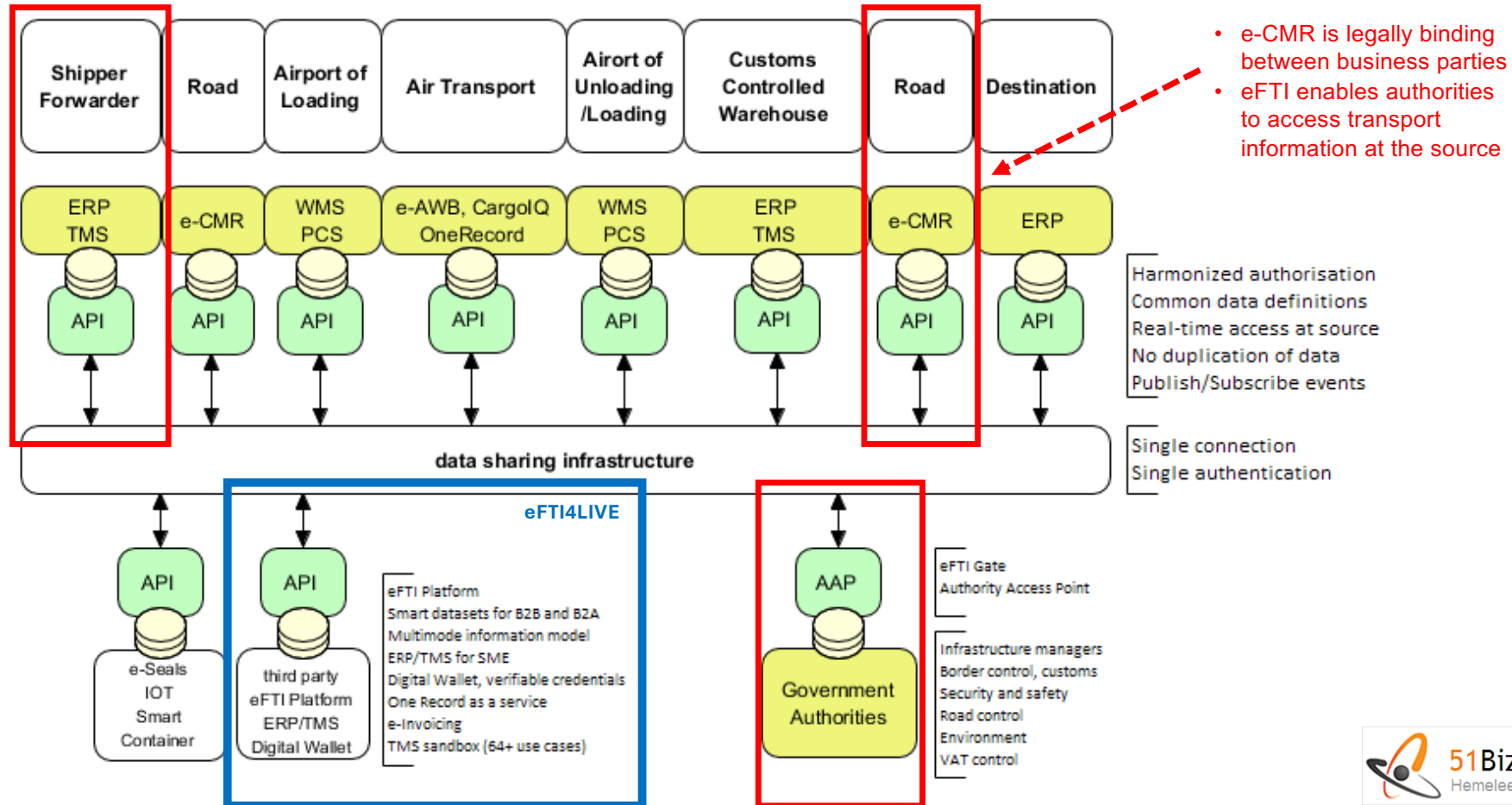
- 2024-2028
- +5 MS + future eFTI service providers
- Focus on end-to-end integration of authorities and eFTI Platforms/Service providers
- Integration with national ECO systems
- Multimodal pilot projects

- 2025-2029
- +5 MS + Industry Organizations (IRU, DCSA, OLF)
- Organize to go live 9 July 2027
 - Governance
 - Technical specifications
- eFTI acceptance and pre-certification environment
- Multimodal cross-border pilot projects
- Extend eFTI scope so that same data can be used for B2B and B2C

Timeline



Enter once, Use Many Times



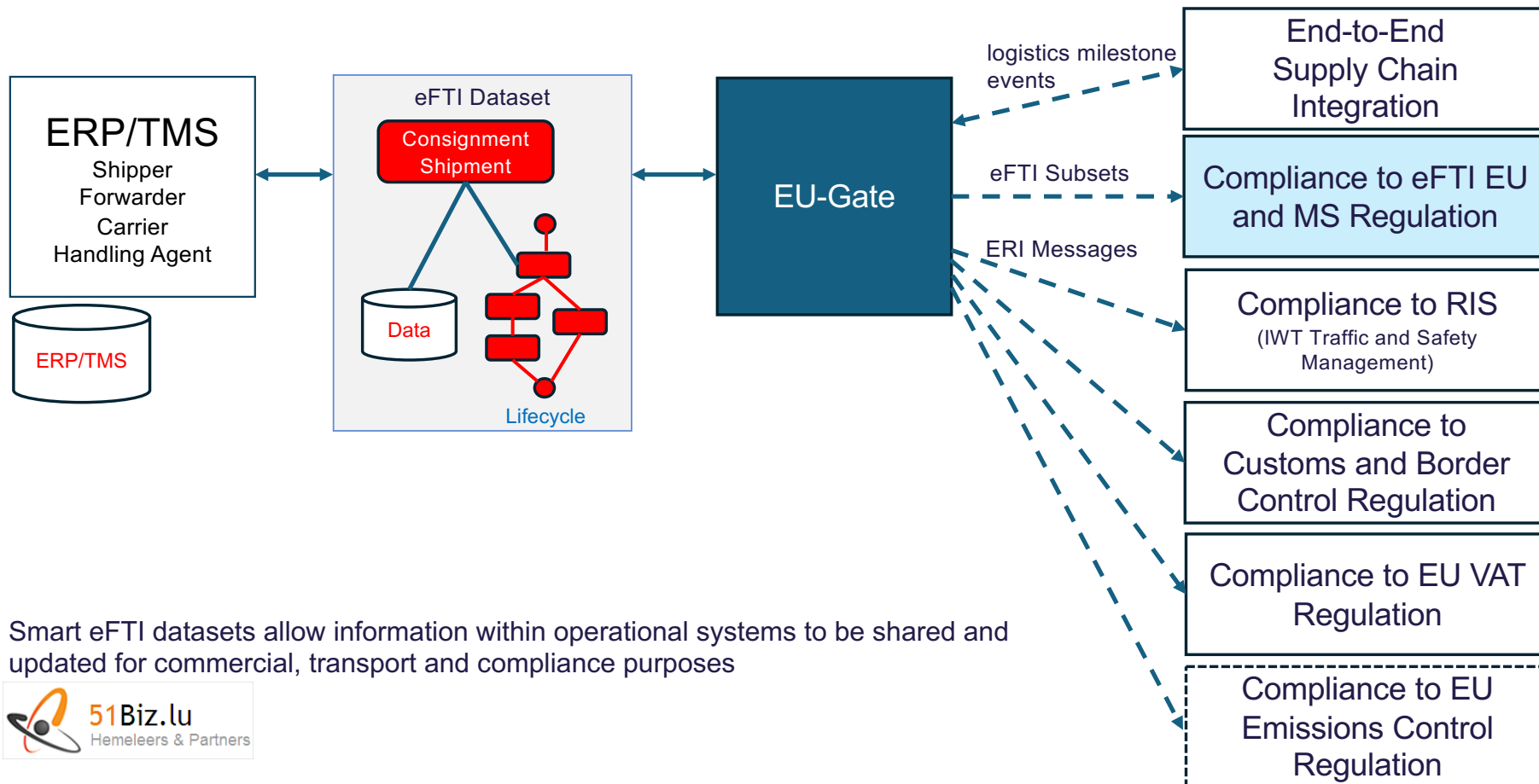
The importance of a consignment note

Exemplaire pour l'expéditeur • Exemplaar voor afzender • Exemplar für Absender

LETTRE DE VOITURE • VRACHTBRIEF • FRACHTBRIEF		CMR	BE000240466PIO												
<p>Ce transport est soumis, nonobstant toute clause contraire, à la Convention CMR. Dit vervoer is, ongeacht enig tegenstrijdig beding, onderworpen aan het CMR-Verdrag. Trotz gegenteiliger Abmachung unterliegt diese Beförderung den Bestimmungen des CMR-Übereinkommens.</p> <p>Pionira NV - www.pionira.be - 04/2022</p>															
<p>1 Expéditeur ou commissionnaire (nom, adresse, Etat) • Afzender of commissiounair (naam, adres, Staat) • Absender oder Spediteur (Name, Anschrift, Staat)</p> <p>Pionira Consignor Gerard Mercatorstraat 85 Lommel 3920 BE</p>	<p>5 Transporteur principal (nom, adresse, Etat, n° de licence, plaque) • Hoofvervoerder (naam, adres, Staat, vergunningsnr., plaatnummer) • Hauptfrachtführer (Name, Anschrift, Staat, Genehmigungsnr., amtliche Kennzeichen)</p> <p>Pionira Main carrier Transporteurstraat 14 BE-8000 Brugge V985</p>														
<p>2 Destinataire (nom, adresse, Etat) • Geadresseerde (naam, adres, Staat) • Empfänger (Name, Anschrift, Staat)</p> <p>Pionira Recipient Kappelstraat 154 BE-8020 Oostkamp</p>	<p>6 Transporteur sous-traitant (nom, adresse, Etat, n° de licence, plaque) • Ondervoerder (naam, adres, Staat, vergunningsnr., plaatnummer) • Unterfrachtführer (Name, Anschrift, Staat, Genehmigungsnr., amtliche Kennzeichen)</p>														
<p>3 Prise en charge de la marchandise (lieu, Etat, date, heure) • Inontvangstneming van de goederen (plaats, Staat, datum, uur) • Warenabnahme (Ort, Staat, Datum, Uhr)</p> <p>Pionira Producer Karrekietlaan 3 BE-8210 Loppem</p> <p>30/09/2022 13:03</p> <p>L-154</p>	<p>7 Transporteur successif (nom, adresse, Etat, n° de licence, plaque) • Opvolgende vervoerder (naam, adres, Staat, vergunningsnr., plaatnummer) • Nachfolgender Frachtführer (Name, Anschrift, Staat, Genehmigungsnr., amtliche Kennzeichen)</p>														
<p>4 Livraison (lieu, Etat, date, heure) • Afl levering (plaats, Staat, datum, uur) • Lieferung (Ort, Staat, Datum, Uhr)</p> <p>Pionira Treatment operator Stagsstraat 45 BE-1000 Brussel</p> <p>30/09/2022 13:06</p> <p>D-853</p>	<p>9 Réserves du transporteur lors de la prise en charge de la marchandise • Voorbehalte vervoerder bij de inontvangstneming van de goederen • Vorbehalte Warenabnahme</p>														
<p>8 Frais afférents au transport • Transportgebonden kosten • Transportgebundene Kosten</p>	<table border="1"> <thead> <tr> <th>Laden</th> <th>Uur aankomst</th> <th>Uur vertrek</th> </tr> <tr> <th>Prise en charge</th> <th>Heure arrivée</th> <th>Heure départ</th> </tr> <tr> <th>Warenabnahme</th> <th>Uhr aankomst</th> <th>Uhr vertrek</th> </tr> </thead> <tbody> <tr> <td></td> <td>30/09/2022 13:03</td> <td>13:03</td> </tr> </tbody> </table>			Laden	Uur aankomst	Uur vertrek	Prise en charge	Heure arrivée	Heure départ	Warenabnahme	Uhr aankomst	Uhr vertrek		30/09/2022 13:03	13:03
Laden	Uur aankomst	Uur vertrek													
Prise en charge	Heure arrivée	Heure départ													
Warenabnahme	Uhr aankomst	Uhr vertrek													
	30/09/2022 13:03	13:03													

- Agreement between the sender and the transport service provider
- Record receipt of goods and documentation by carrier, proof of delivery
- Basis for invoicing
- Demonstrate compliance of transport to national and EU regulations (eFTI: July 2027)
- Supporting document Customs & other border control regulations
- Demonstrate intra-community deliveries (VAT)
- ...

EU-Gate e-CMR/eFTI Access Point Pilot Project



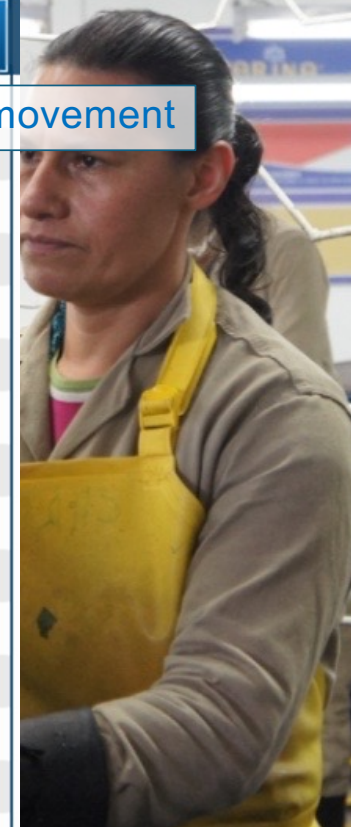
Smart eFTI datasets allow information within operational systems to be shared and updated for commercial, transport and compliance purposes

event driven data integration enabling AI driven network planning and optimization

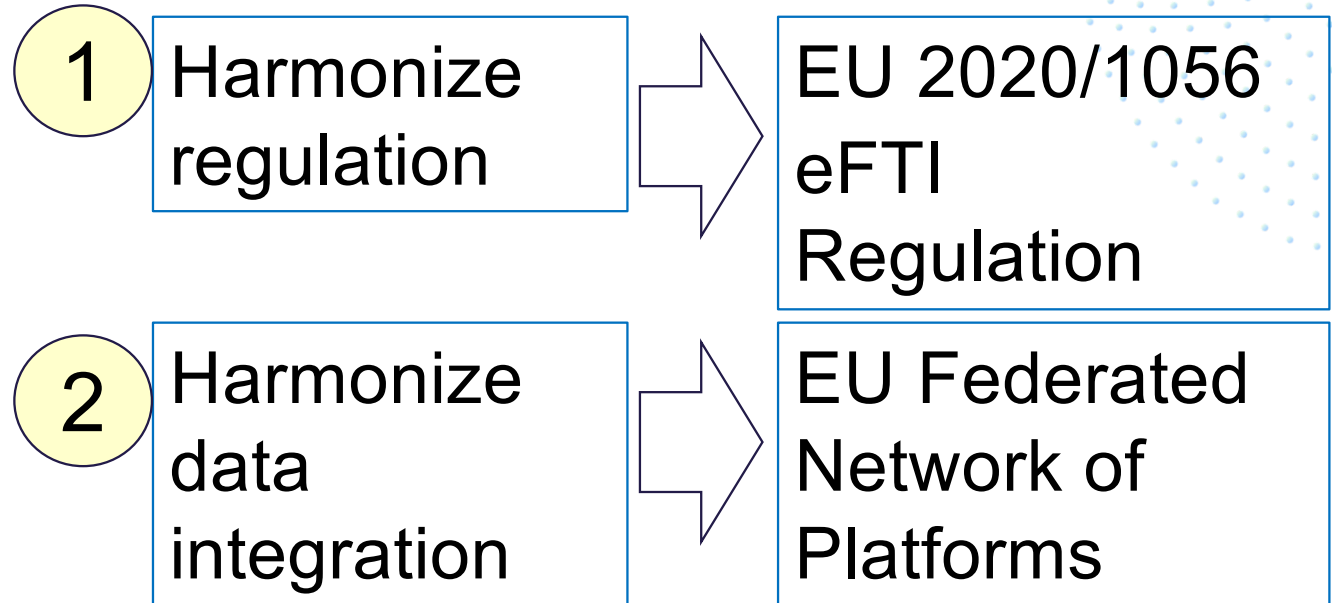


Departure Loading	Arrival Unloading	Week 21		Week 22			
		Sat 24 (May)	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29
25/05 10:00	27/05 09:42						
25/05 10:00	25/05 20:30						
26/05 06:30	26/05 08:30						
26/05 10:00	26/05 18:30						
27/05 06:30	27/05 09:42						
25/05 13:30	27/05 09:42						
25/05 13:30	25/05 20:30						
26/05 06:30	26/05 08:30						
26/05 10:00	26/05 18:30						
27/05 06:30	27/05 09:42						
25/05 17:00	27/05 12:24						
25/05 17:00	25/05 20:30						
26/05 06:30	26/05 08:30						
26/05 10:00	26/05 18:30						
27/05 07:42	27/05 12:24						

consignment movement



Two EU priorities



These 2 EU priorities have been defined by the EU Digital Transport and Logistics Forum, a group of about 120 digital experts advising the European Commission on its strategy towards a digital and green Europe

EU 2020/1056 Regulation

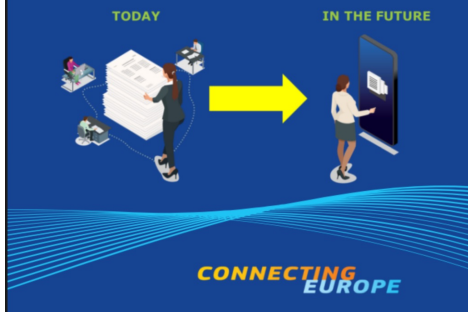


Adopted 8/2020,
full applicable 2027H2

- Obligation for EU MS to accept electronic transport documents
- In an EU harmonized machine-readable data format
- Certified solutions and service providers
- EU MS must ensure the interoperability of IT systems
- Pull/Push principle

eFTI Regulation

A harmonised EU framework for business-to-authority electronic exchange of freight transport information.



EU legislation

- **Regulation No 11/1960 on non-discrimination of tariffs** (Article 6.1)
- **Combined Transport Directive No 92/106** (Article 3)
- **Road Cabotage Regulation No 1072/2009** (Article 8.3), modified by Regulation (EU) 2020/1055
- **Waste Shipments Regulation No 1013/2006** (Articles 16(c) and 18.1) amended by **Regulation (EU) 2024/1157**
- **Dangerous Goods Directive No 2008/68/EC** (chapter 5.4 of the Annexes to RID, ADR and ADN)
- **Aviation Security Regulation No 300/2008**
 - **Implementing Reg. 2015/1998** (Article 2.2 (b))
- **Rail Interoperability Directive No 2016/797**

National legislation

- Requiring information that is identical, in whole or in part, to that in EU legislation

eFTI – 5 Principles

B2A Information already required by EU & MS legislation (Rates & Conditions, Cabotage, Dangerous Goods, Waste Shipments, Aviation Security, Rail Interoperability, national)

Common requirements

Data, processing & interfaces
Certification is required to ensure harmonisation, acceptance & security

Technological Neutrality

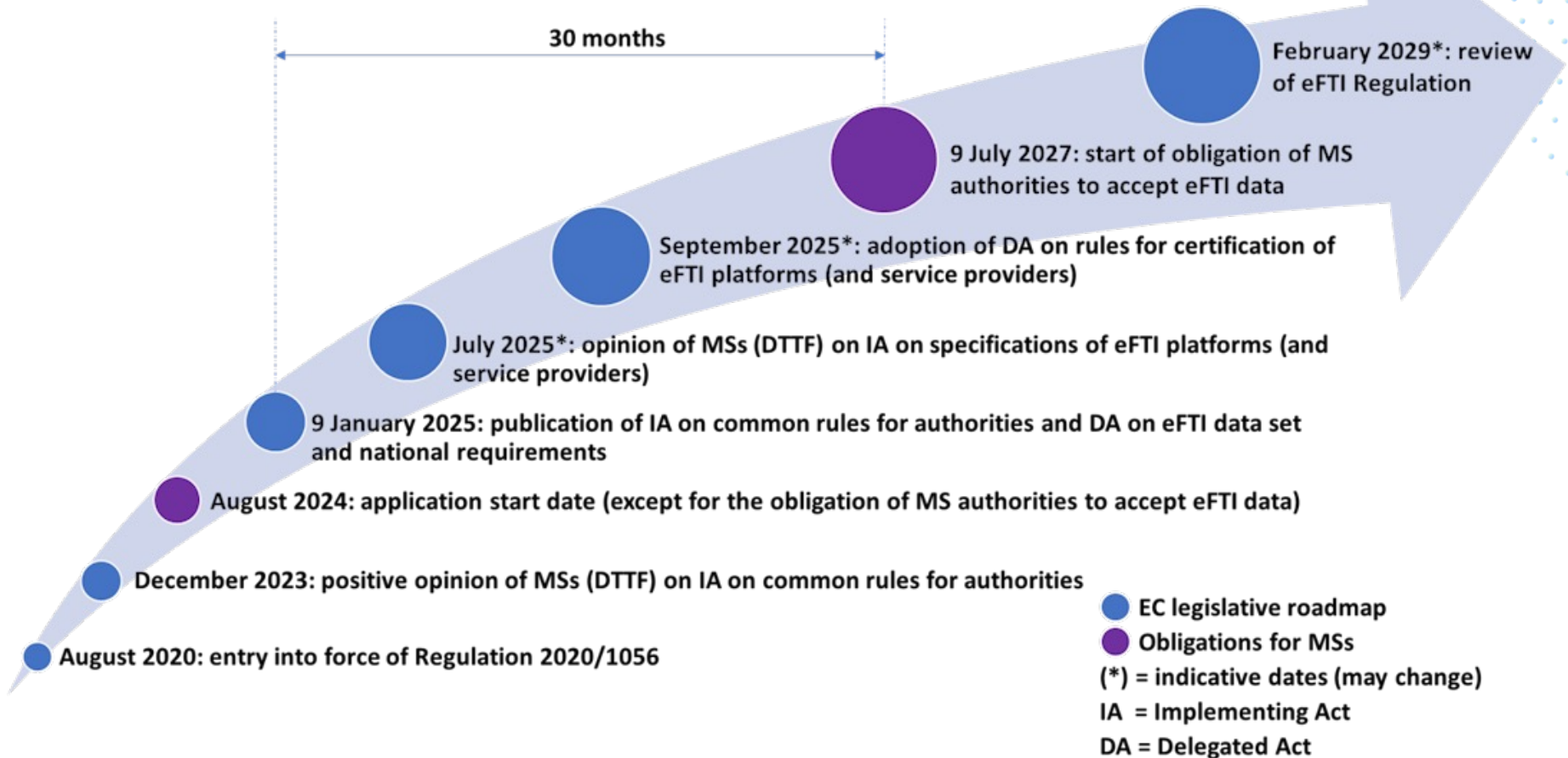
Obligation for all authorities in all EU MS

to accept the information electronically – for EO's an option

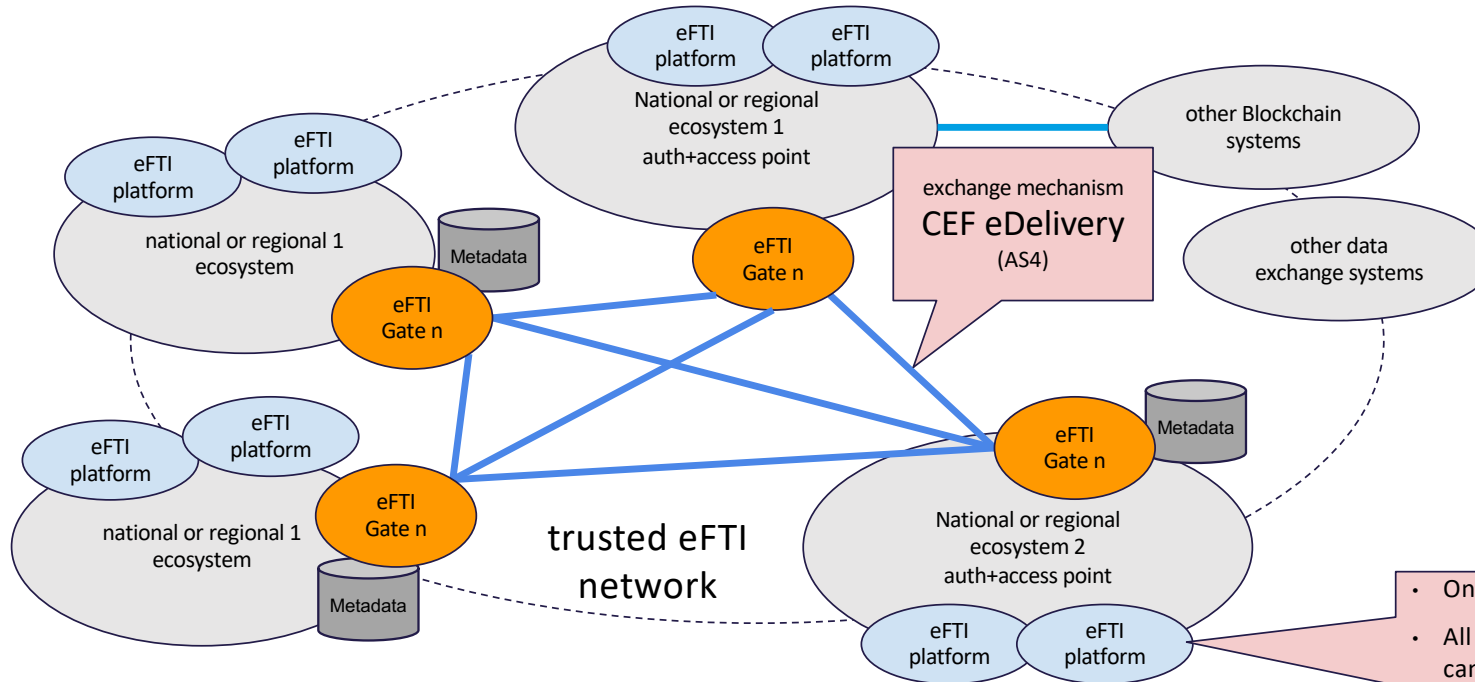
Certified systems will be eFTI platforms

- Can still be anything like a cloud solution, eCRM solution, PCS, TMS or ERP.
Pull Mechanism is standard

Updated timeline

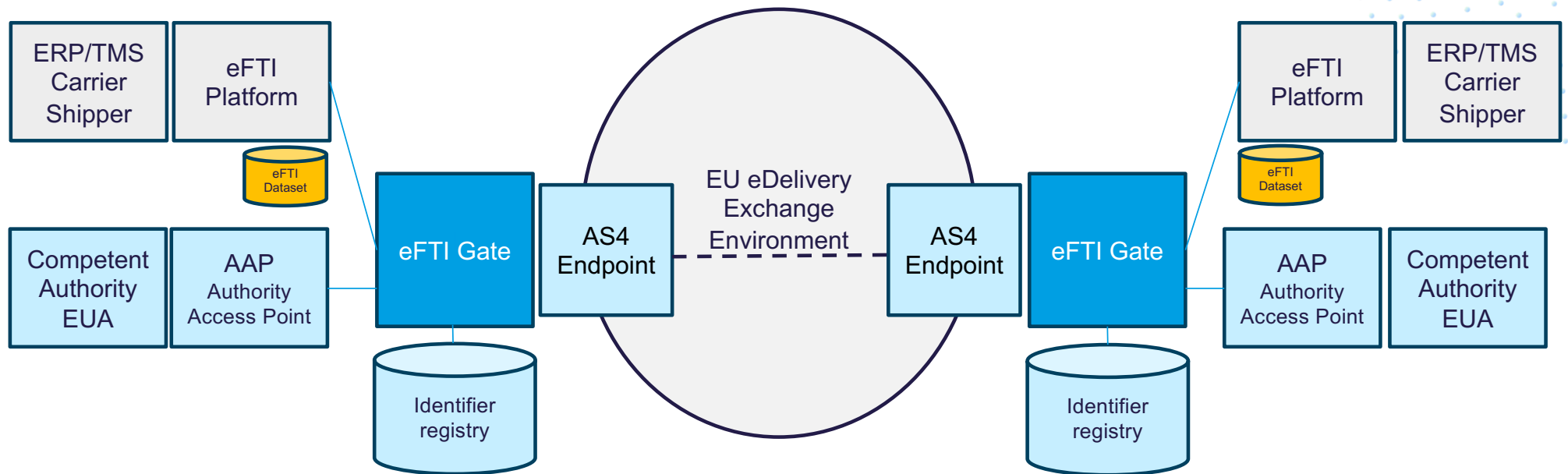


The EU eFTI Exchange environment

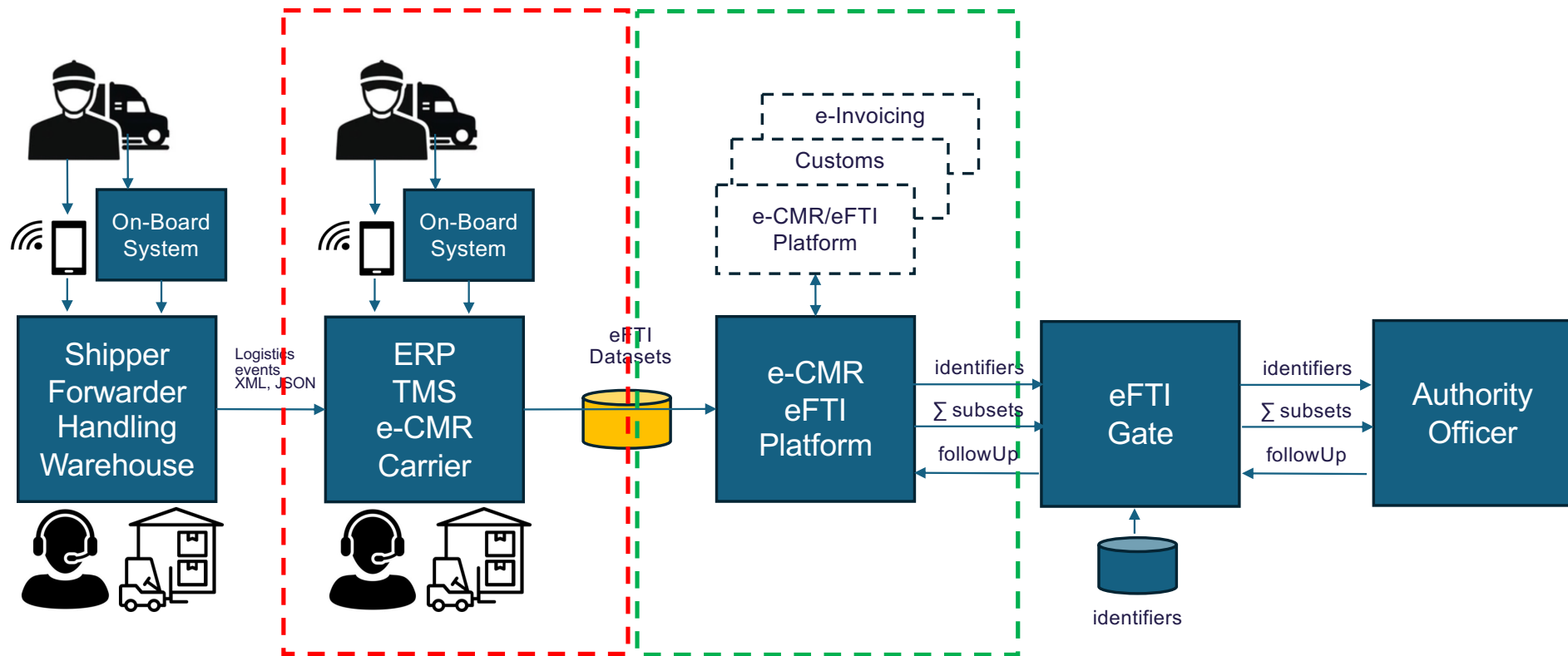


- One connection in MS of certification
- All mandated control authorities of 27 MS can pull eFTI Subsets of information.
- Post metadata (unique identifiers) to eFTI-Gates
- Not mandatory for Economic Operators (yet)

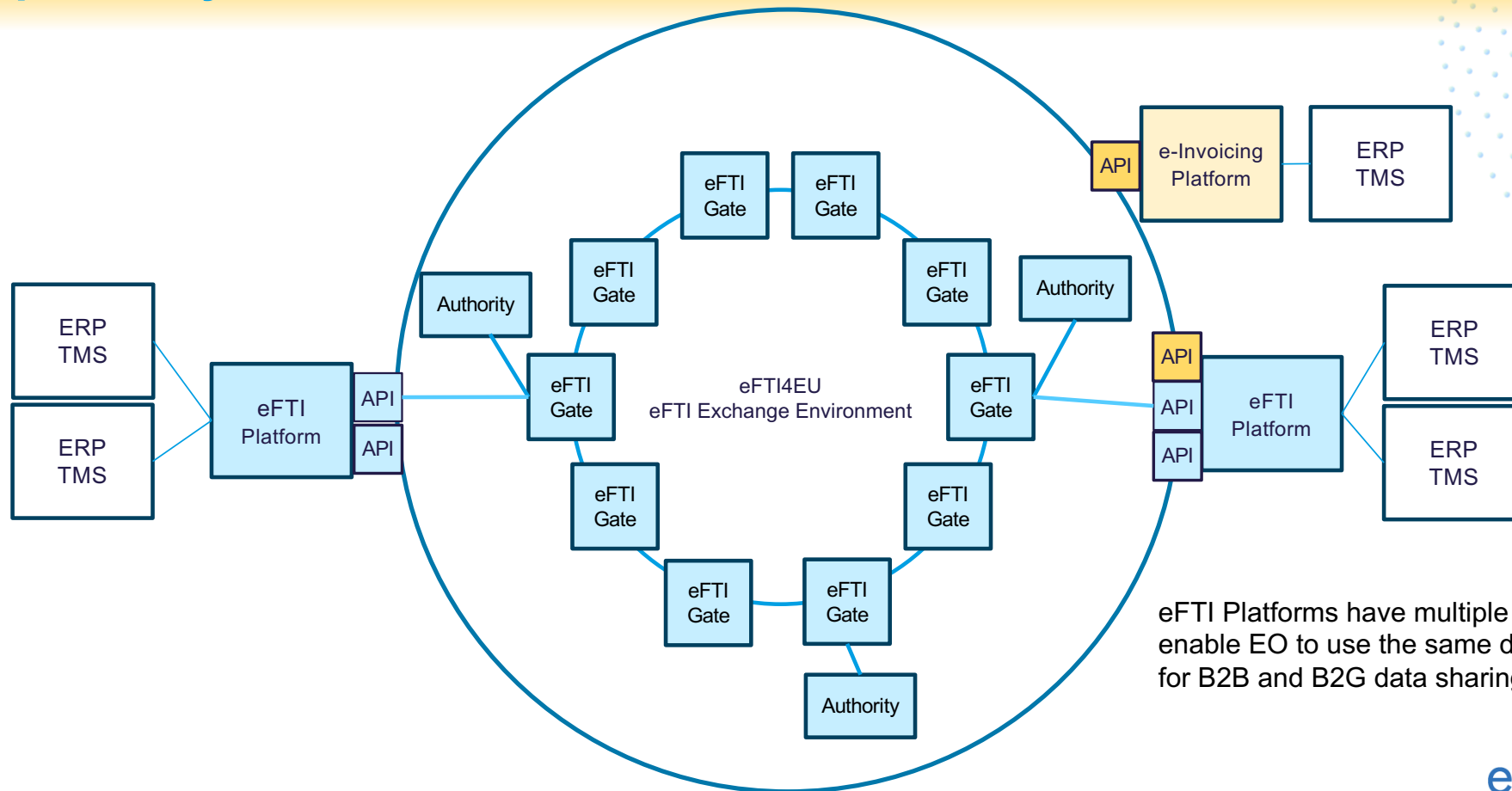
The components of the eFTI eDelivery Exchange Environment



A practical implementation of e-CMR and eFTI



Opportunity for eFTI Platforms



eFTI Platforms have multiple connectors to enable EO to use the same data sources for B2B and B2G data sharing





rhemeleers@51biz.lu



Co-funded by
the European Union