



eFTI State of Play

How UNECE e-CMR and EU eFTI fit together

Odette2025, Bratislava, 26-27 May 2025

23rd Odette International Automotive Conference for Supply Chain Professionals and Digital Transformation Experts

Rudy.Hemeleers@51biz.lu

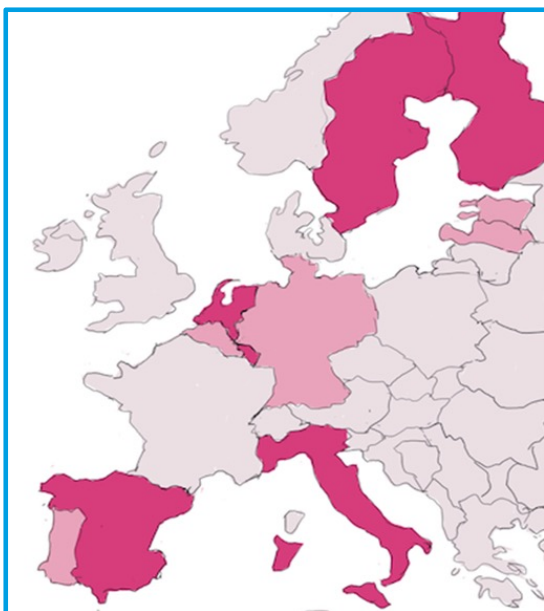


Odette2025 Bratislava

- Understand the impact of the eFTI regulation on your processes and information models.
- Start today
- Keep it simple



51Biz Luxembourg



2019-2024, 48 months
5 MS, 15 Partners



2023-2026, 36 months
9 MS, 23 Partners



2024-2028, 48 months
14 MS, 39 Partners

The importance of consignment information

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

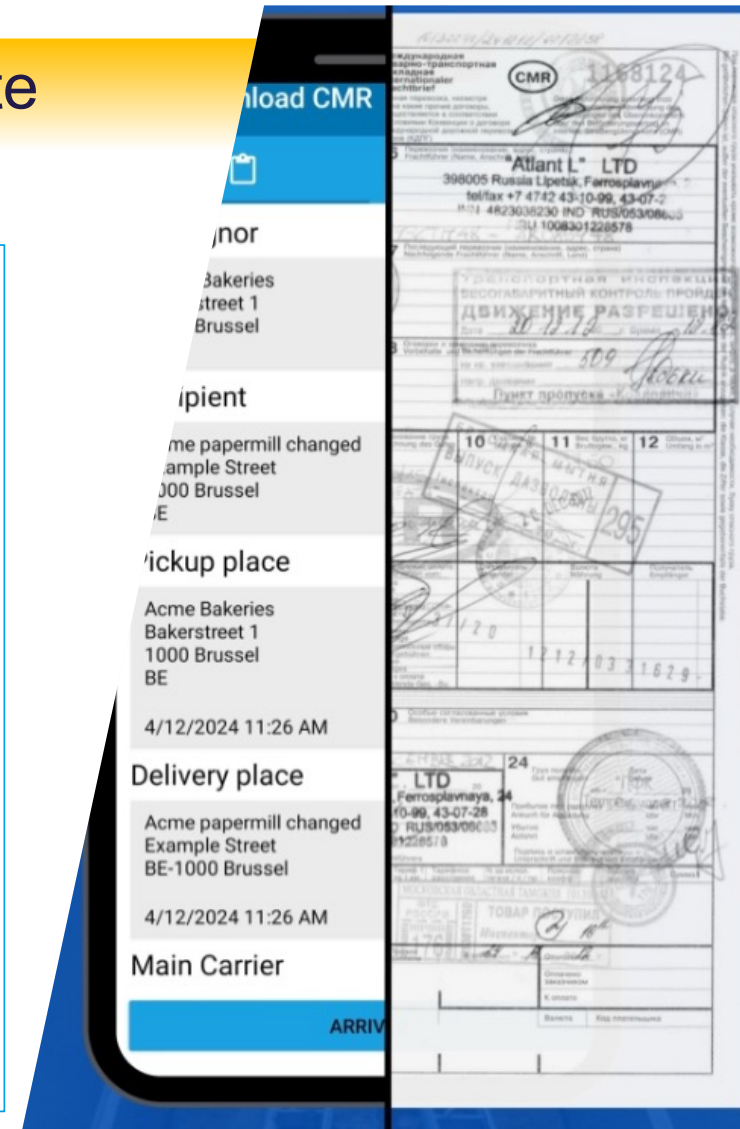
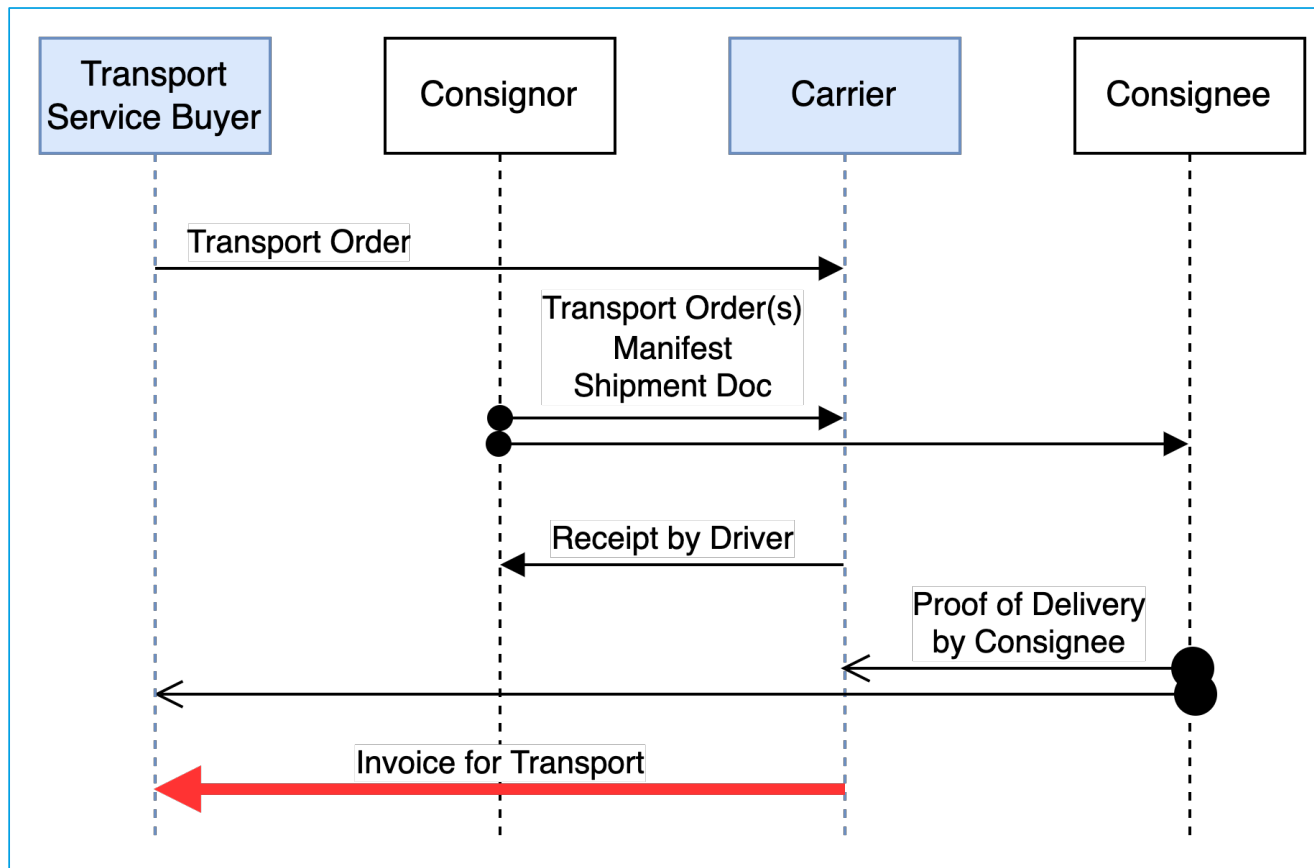
LETTRE DE VOITURE • VRACHTBRIEF • FRACHTBRIEF			CMR	BE000240466PIO	
Ce transport est soumis, nonobstant toute clause contraire, à la Convention CMR. Dit vervoer is, ongeacht enig tegenstrijdig beding, onderworpen aan het CMR-Verdrag. Trotz gegenteiliger Abmachung unterliegt diese Beförderung den Bestimmungen des CMR-Übereinkommens. Pionira NV - www.pionira.be - 04/2022					
1 Expéditeur ou commissionnaire (nom, adresse, Etat) • Afzender of commissionair (naam, adres, Staat) • Absender oder Spediteur (Name, Anschrift, Staat) Pionira Consignor Gerard Mercatorstraat 85 Lommel 3920 BE	5 Transporteur principal (nom, adresse, Etat, n° de licence) • Hoofdvervoerder (naam, adres, Staat, vergunningsnummer) • Hauptfrachtführer (Name, Anschrift, Staat, Genehmigung) Pionira Main carrier Transporteurstraat 14 BE-8000 Brugge V985	• Agreement between the sender and the transport service provider • Record receipt of goods by carrier, proof of delivery • Basis for invoicing • Demonstrate compliance of transport to national and EU regulations (eFTI: 2025H2) • Supporting document Customs & other border control regulations • Demonstrate intra-community deliveries (VAT) • ...			
2 Destinataire (nom, adresse, Etat) • Geadresseerde (naam, adres, Staat) • Empfänger (Name, Anschrift, Staat) Pionira Recipient Kappelstraat 154 BE-8020 Oostkamp	6 Transporteur sous-traitant (nom, adresse, Etat, n° de licence) • Ondervoerder (naam, adres, Staat, vergunningsnummer) • Unterfrachtführer (Name, Anschrift, Staat, Genehmigung)				
3 Prise en charge de la marchandise (lieu, Etat, date, heure) • Inontvangstneming van de goederen (plaats, Staat, datum, uur) • Warenabnahme (Ort, Staat, Datum, Uhr) Pionira Producer Karrekietlaan 3 BE-8210 Loppem 30/09/2022 13:03 L-154	7 Transporteur successif (nom, adresse, Etat, n° de licence) • Opvolgende vervoerder (naam, adres, Staat, vergunningsnummer) • Nachfolgender Frachtführer (Name, Anschrift, Staat, Genehmigung)				
4 Livraison (lieu, Etat, date, heure) • Aflevering (plaats, Staat, datum, uur) • Lieferung (Ort, Staat, Datum, Uhr) Pionira Treatment operator Slagstraat 45 BE-1000 Brussel 30/09/2022 13:06 D-853	9 Réserves du transporteur lors de la prise en charge de la marchandise • Reserves van de vervoerder bij de inontvangstneming van de goederen • Warenabnahme				
8 Frais afférents au transport • Transportgebonden kosten • Transportgebundene Kosten					
Laden Prise en charge Warenabnahme	Uur aankomst Heure arrivée Uhr aankomst 30/09/2022 13:03	Uur vertrek Heure départ Uhr vertrek 13:03			

The importance of real-time transport information within end-to-end digital supply chains

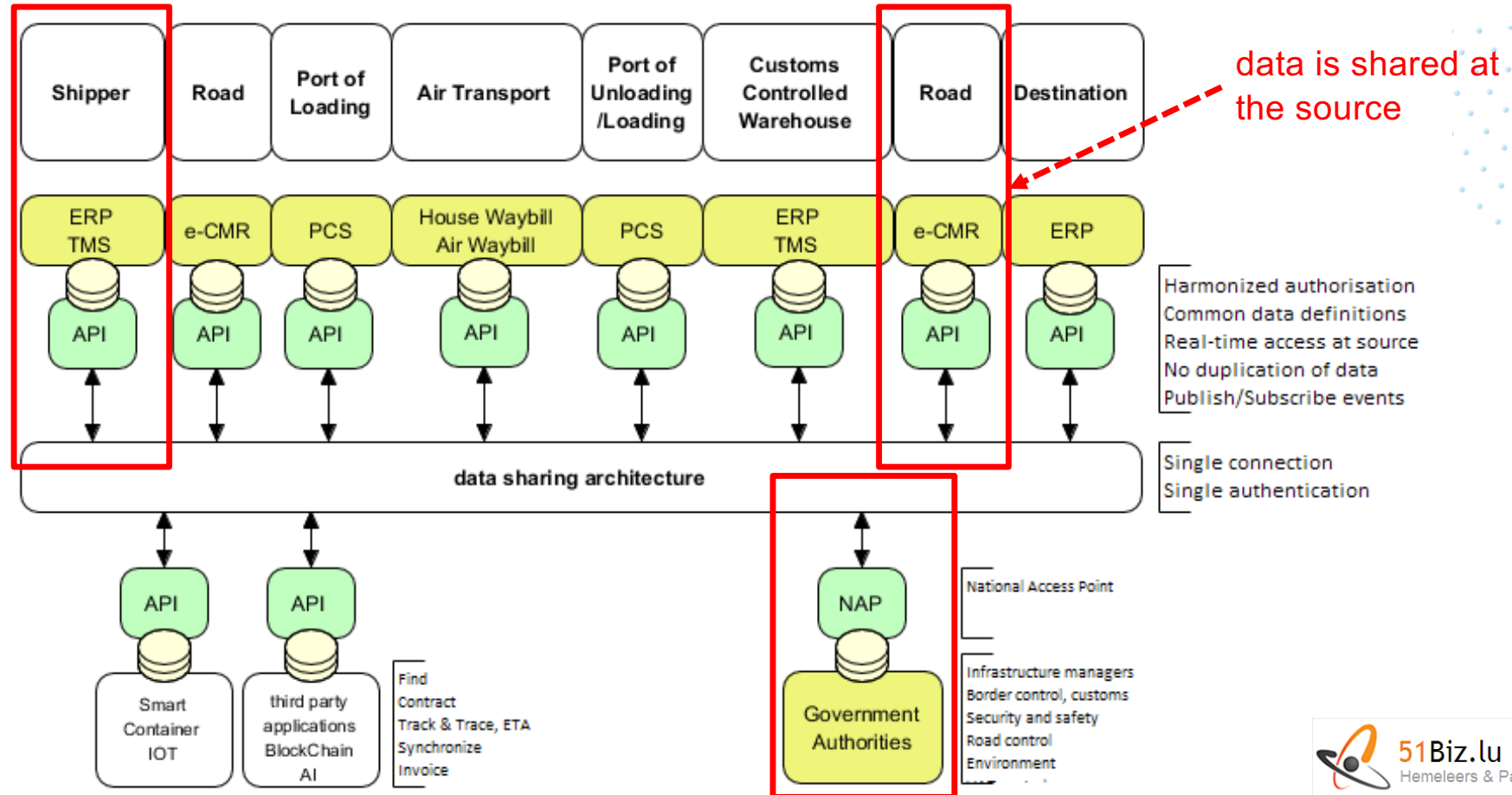
Departure Loading	Arrival Unloading	Week 21		Week 22			
		Sat 24 (May)	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29
25/05 10:00	27/05 09:42						ORIG1.FI to DEST1.SE
25/05 10:00	25/05 20:30			NA0111/25MAY025 FIPIE-FINAA			
26/05 06:30	26/05 08:30			SS4547/26MAY025 FINAA-SEGRA			
26/05 10:00	26/05 18:30			NA0112/26MAY025 SEGRA-SENYK			
27/05 06:30	27/05 09:42				NY2312/27MAY025 SENYK-SESTO		
25/05 13:30	27/05 09:42						ORIG2.FI to DEST1.SE
25/05 13:30	25/05 20:30			NA0111/25MAY025 FINOK-FINAA			
26/05 06:30	26/05 08:30			SS4547/26MAY025 FINAA-SEGRA			
26/05 10:00	26/05 18:30			NA0112/26MAY025 SEGRA-SENYK			
27/05 06:30	27/05 09:42				NY2312/27MAY025 SENYK-SESTO		
25/05 17:00	27/05 12:24						ORIG3.FI to DEST2.SE
25/05 17:00	25/05 20:30			NA0111/25MAY025 FIHAM-FINAA			
26/05 06:30	26/05 08:30			SS4547/26MAY025 FINAA-SEGRA			
26/05 10:00	26/05 18:30			NA0112/26MAY025 SEGRA-SENYK			
27/05 07:42	27/05 12:24				AL4531/27MAY025 SENYK-SEVAR		

consignment movement

An end-to-end e-CMR Process allows immediate invoicing when goods are delivered



Towards an internet of logistics



e-CMR Opportunity

Belgian e-CMR
Survey (2019)

[link to analysis of survey](#)



VBO
Verbond van
Belgische
Ondernemingen

FEB
Fédération des
Entreprises de
Belgique



UHASSELT

€ 13,11



Paper CMR

€ 22,83



€ 8,95



€ 11,56



€ 2,32



e-CMR

€ 9,72



€ 2,51

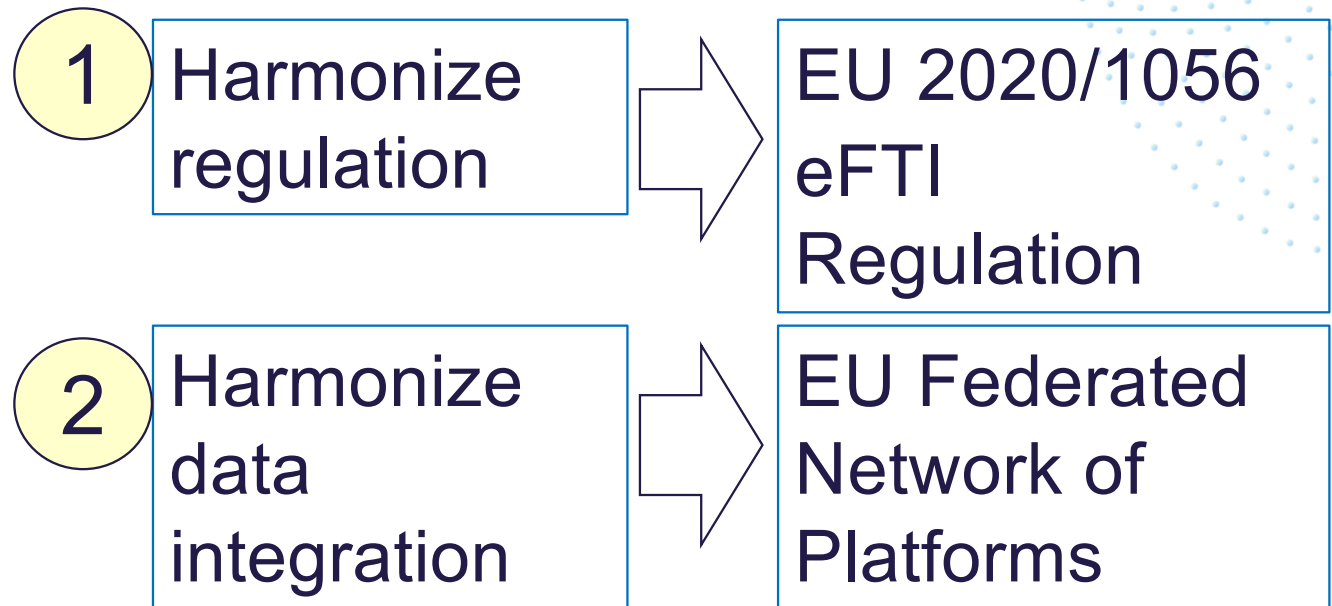


€ 6,04



€ 1,16

Two EU priorities



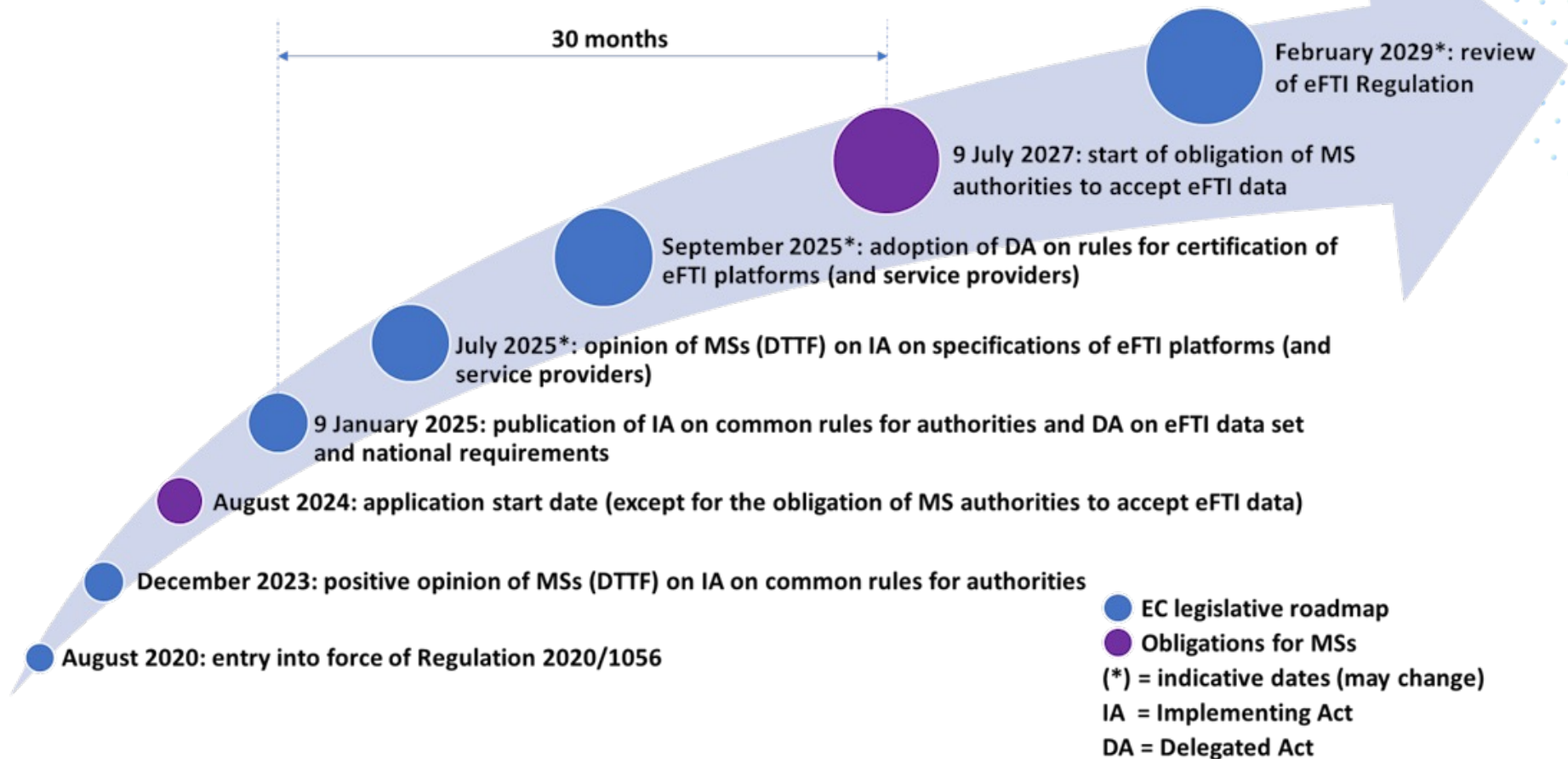
These 2 EU priorities have been defined by the EU Digital Transport and Logistics Forum, a group of about 120 digital experts advising the European Commission on its strategy towards a digital and green Europe

EU 2020/1056 eFTI Regulation

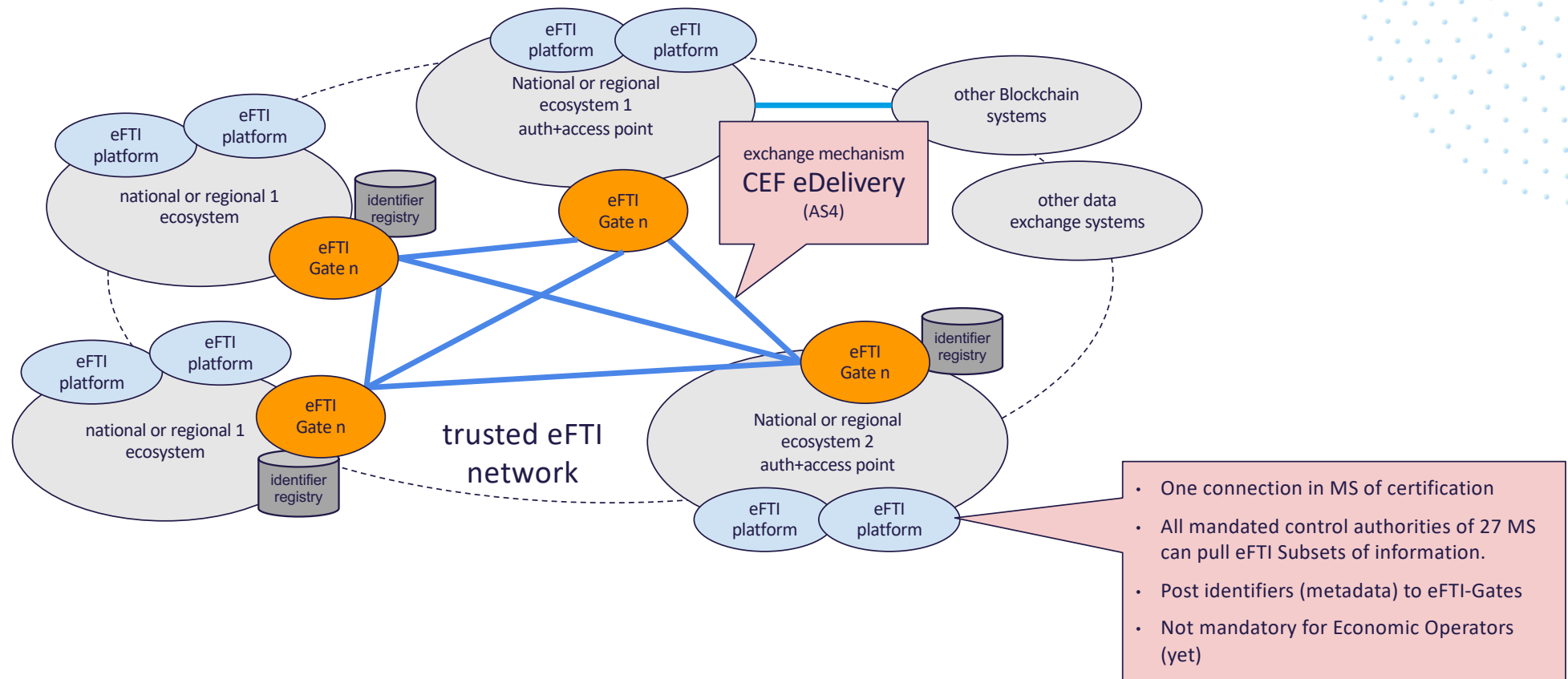
Adopted 8/2020 by EU Parliament and EU Council
2 Implementing Acts (eFTI Gates, eFTI Platforms)
2 Delegated Acts (eFTI Dataset, certification)
Full applicability 2027H2

- 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

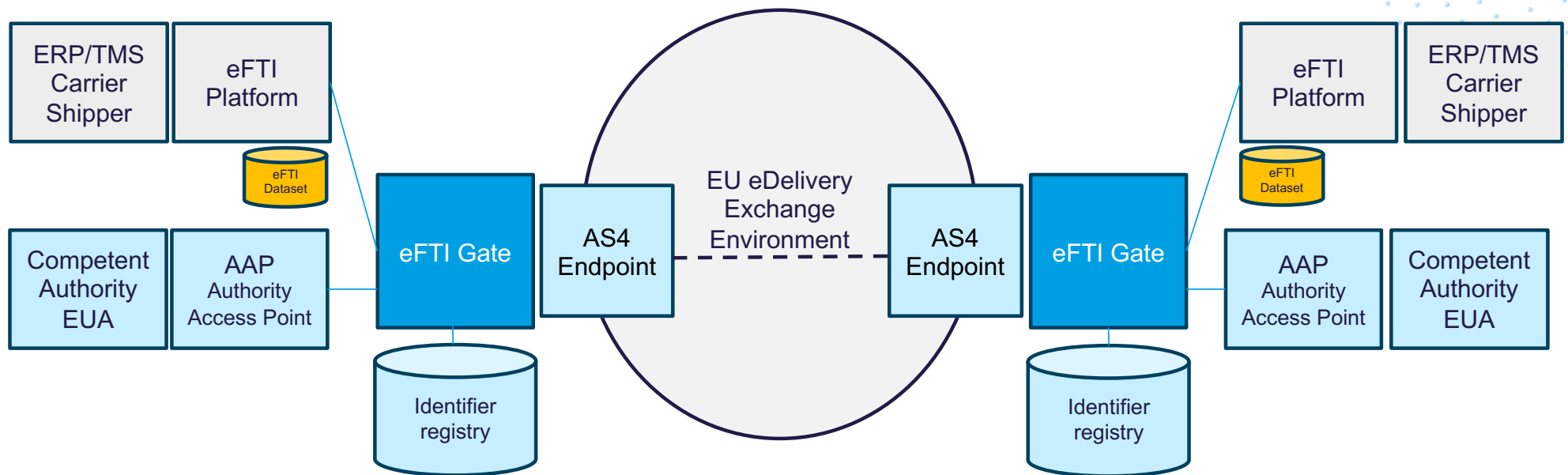
Update timeline (May 2025)



The EU eFTI Exchange environment



The components of the eFTI eDelivery Exchange Environment



Transport and logistics service providers use a certified eFTI platform that allows with a single connection to share eFTI datasets with competent authorities of all 27 EU Member States

The scope of regulation EU No 2020/1056 on electronic freight transport information (eFTI) is translated into 178 eFTI subsets

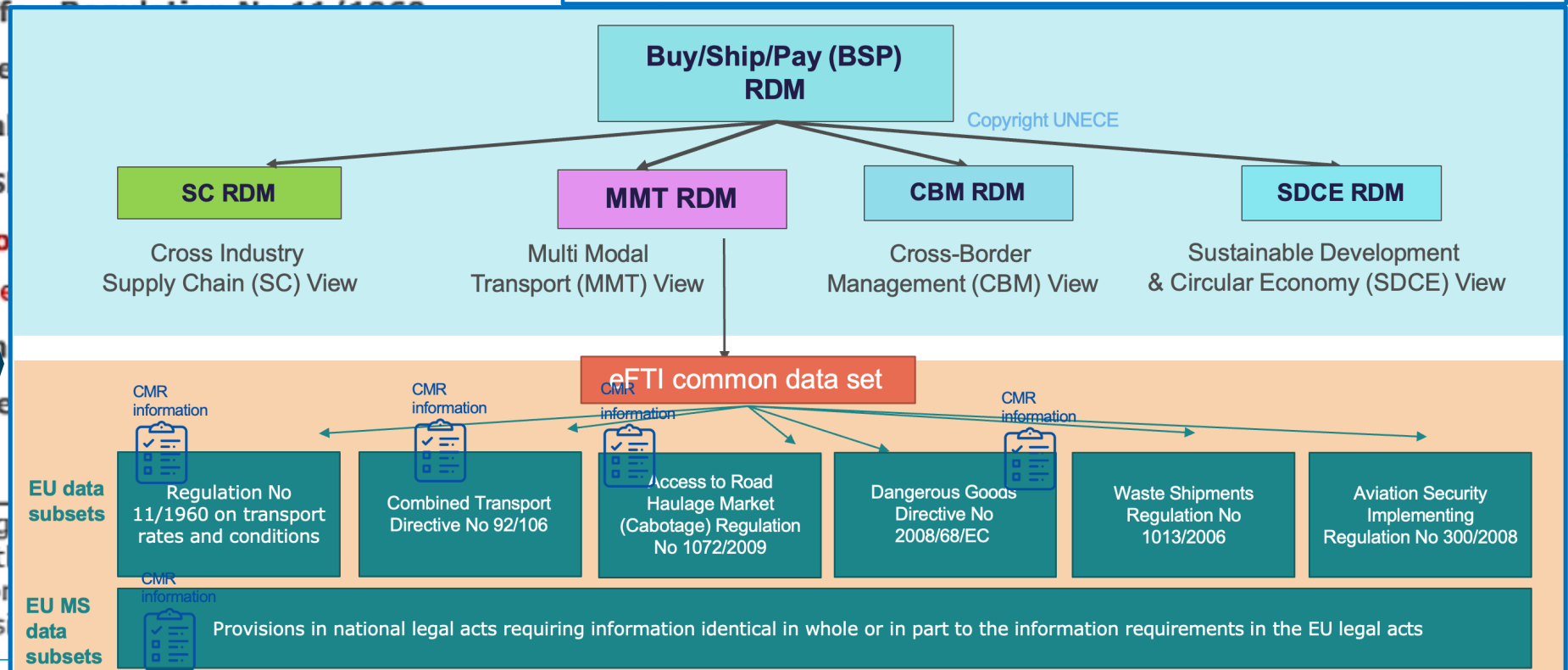
EU legislation

- On tariff
- Combined
- Road Ca
- Waste S
- **Dangero**
- 5.4 of the
- Av
- Ra

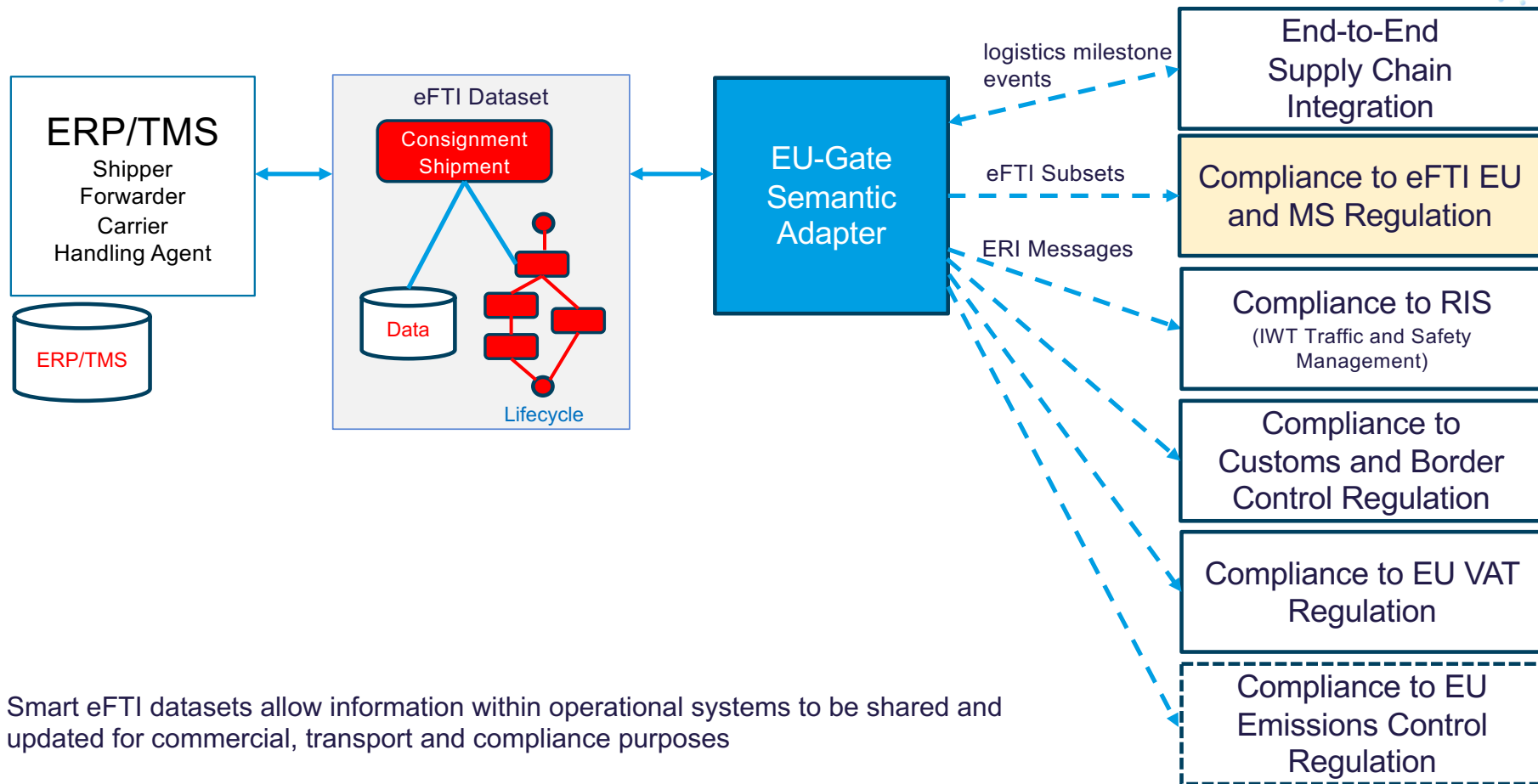
National

- Requiring
- part, to t
- (based on
- Commiss

UNCEFACT MMT > eFTI Common dataset > 178 eFTI subsets



EU-Gate Semantic Adapter



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

Advantages for Transport and Logistics operators

Simplifies the exchange of transport-related information:

- No paper documents, transport data remains at the source
- Faster checks by the authorities and less interrupted transport operations
- Faster processing times
- Faster handling of freight operations
- Real-time tracking and up-to-date transport datasets
- According to the industry, savings of over €10-13 per digital freight document are possible* if you look at the process.

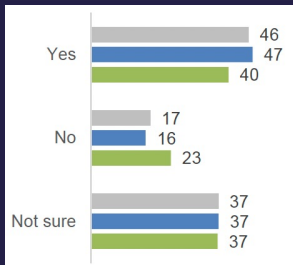


Advantages for the competent control authorities

- Improved controls of cross-border freight transport without bureaucratic burdens
- Faster and more targeted control procedures
- Reduction of transport interruptions and more efficient and time-saving inspections
- Less language barriers thanks to multilingual eFTI data records
- Better enforcement of national and EU regulations
- Increased safety for emergency services and more efficient operations, e.g. in the case of dangerous goods accidents



Why are you undecided?



Source BALM 2024 Special Report on eFTI
BMDV – Federal Ministry of Digital and Transport (Germany)
BALM - German Logistics and Mobility Office (Germany)

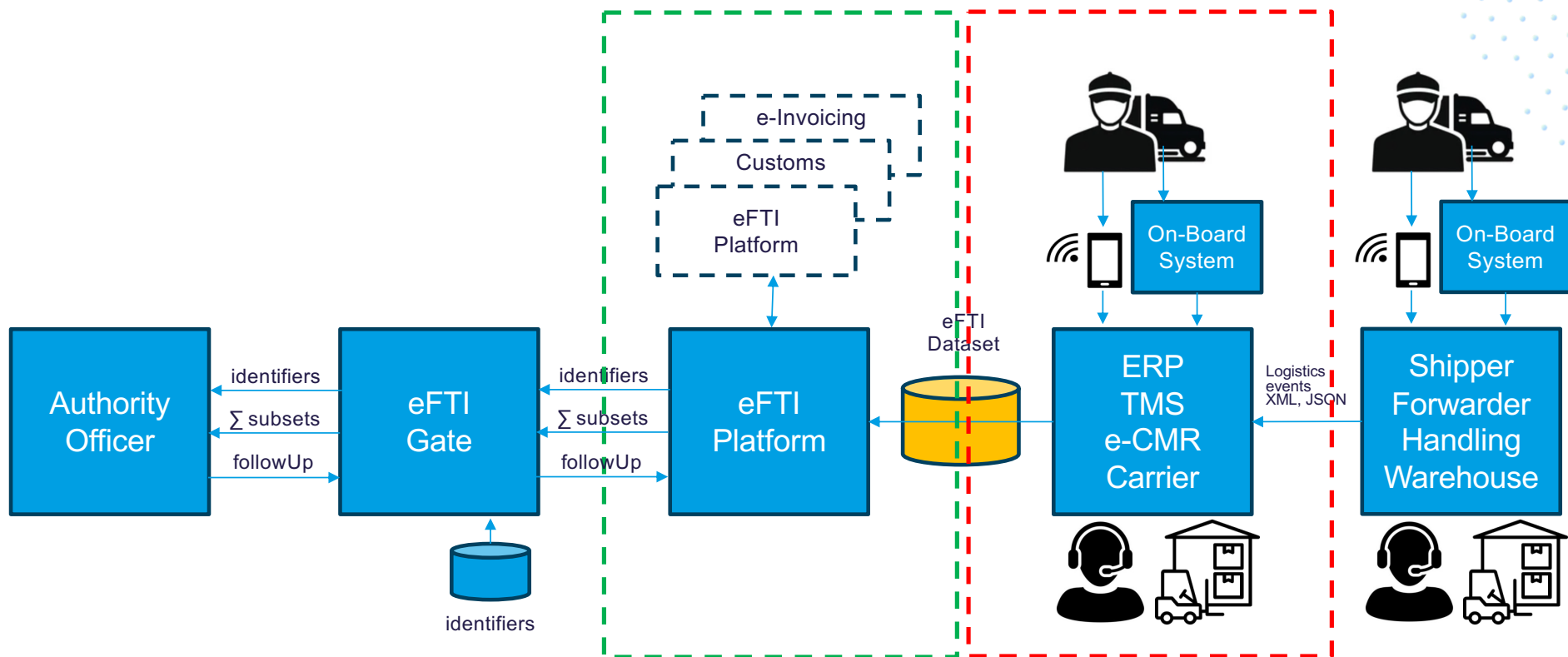
Question 12; basis: total: n=203, logistics companies: n=168, shippers: n=35,
filter: only companies that are undecided about providing electronic freight information to authorities ;
multiple selection, figures in percent

What can you do in 2025?

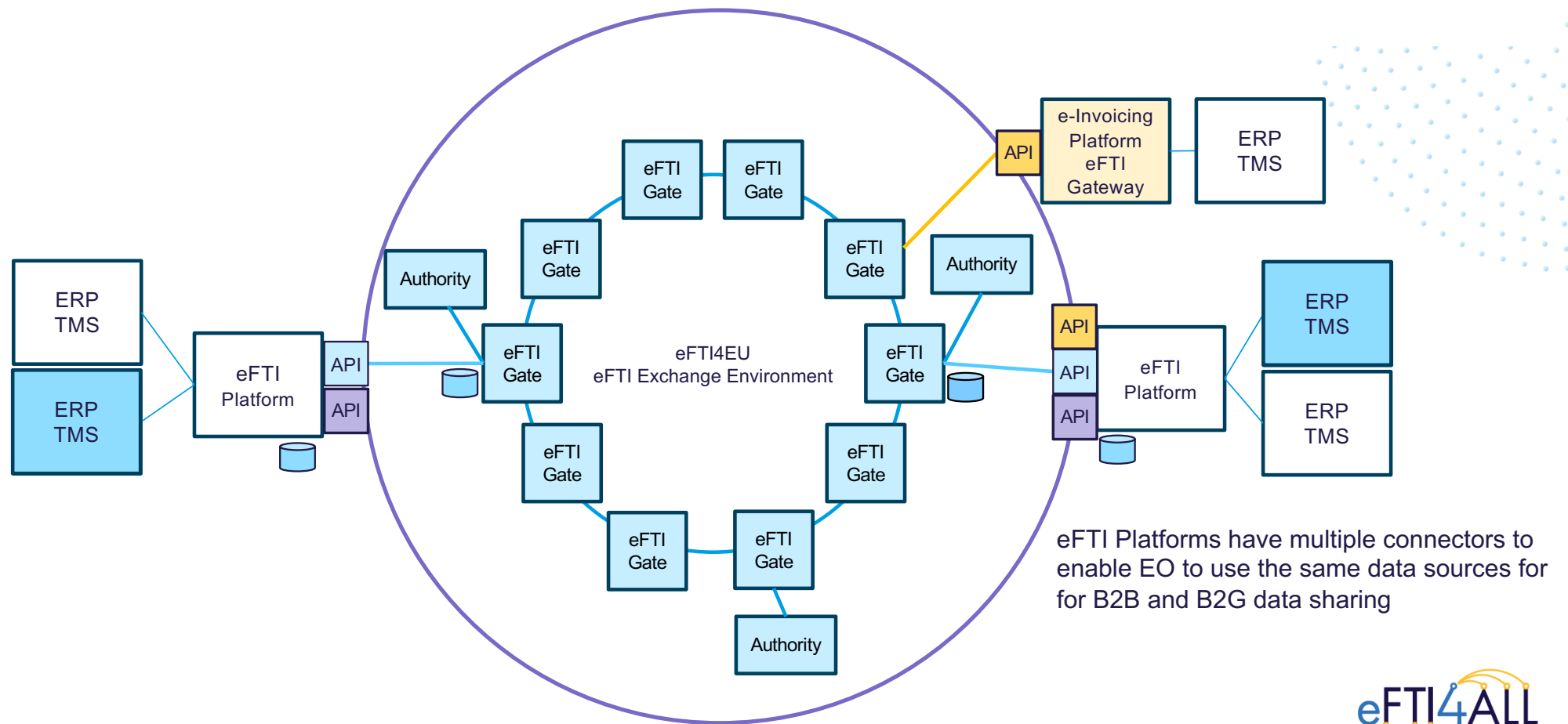
- Understand the impact of the eFTI regulation on your processes and information models.
- Configure real-world use cases to get everyone aligned towards common goals and a step-by-step roadmap



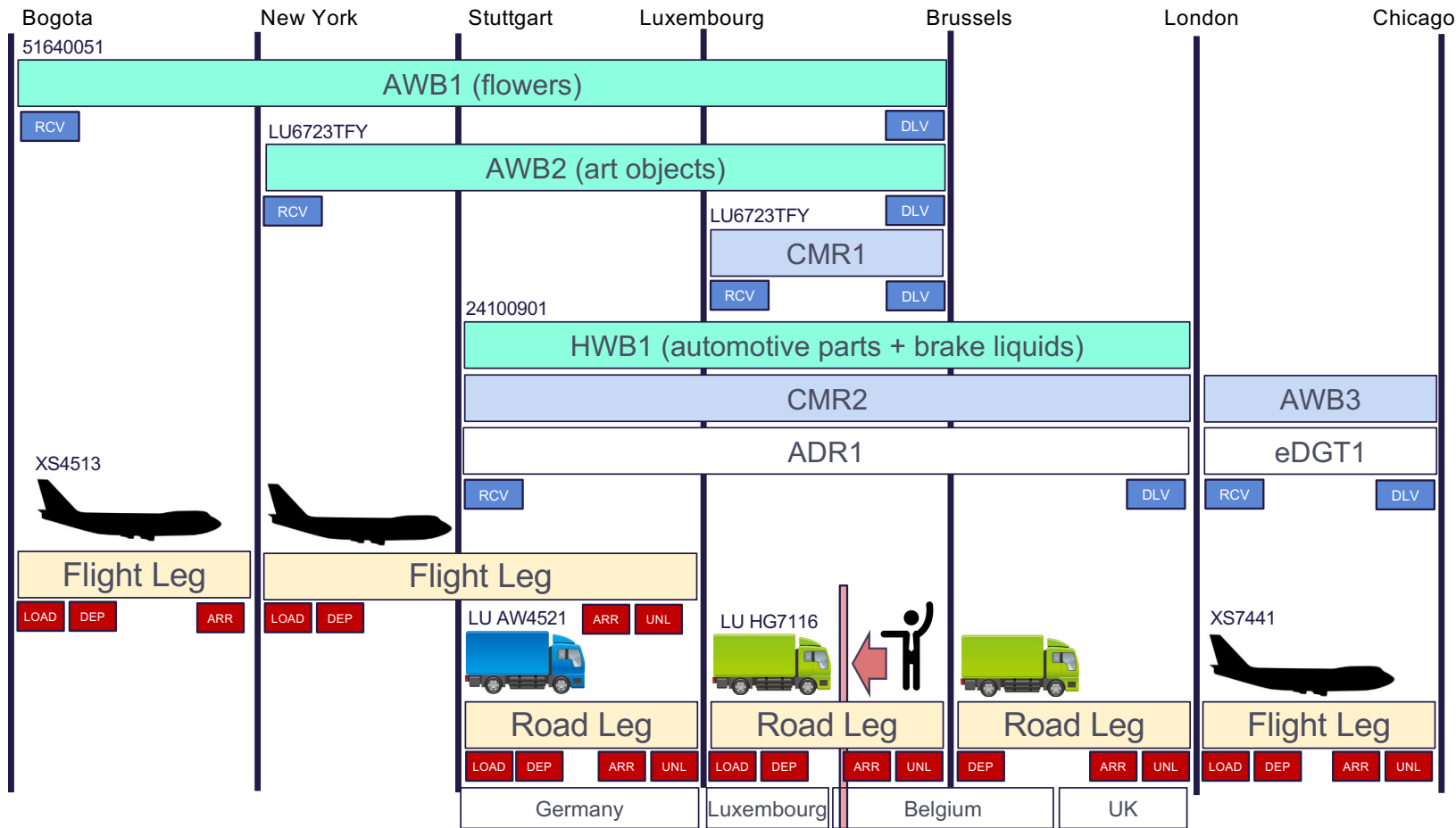
Understanding the impact of the eFTI regulation on your business processes



Towards a federated network of eFTI Platforms



Example: The roses for valentine use case



- 3 shipments
- 6 consignments
- CMR1 includes 2 AWB
- CMR2 includes 2 consignment movements
- Inspection by BE:
 - 2 or 3 eFTI datasets / UIL
 - 3 eFTI subsets

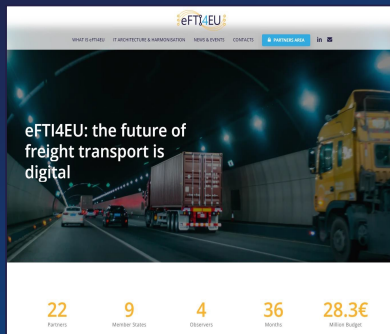
In summary

- eFTI is about sharing transport information with authorities
- mandatory for EU authorities in 2027
- Economic operators must use “certified eFTI Platforms”
- Opportunity to use eFTI Platforms for B2B (e-CMR, e-Invoicing, ..) and B2G (eFTI, Customs, VAT, Emission Reporting, ..)
- Don't wait for eFTI to start today. Create real-world use case implementations with your best customers





www.51biz.eu



www.efti4eu.eu



www.efti4all.eu