



The EU Regulation 2020/1056 on electronic freight transport information (eFTI)

An overview

*1st meeting of the Group of experts on the operationalisation of eCMR, UNECE Inland
Transport Committee, Working Party on Road Transport*

4-5 July 2022

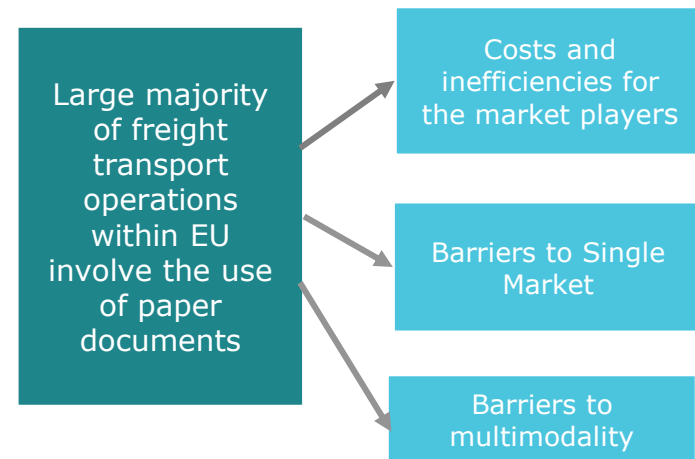
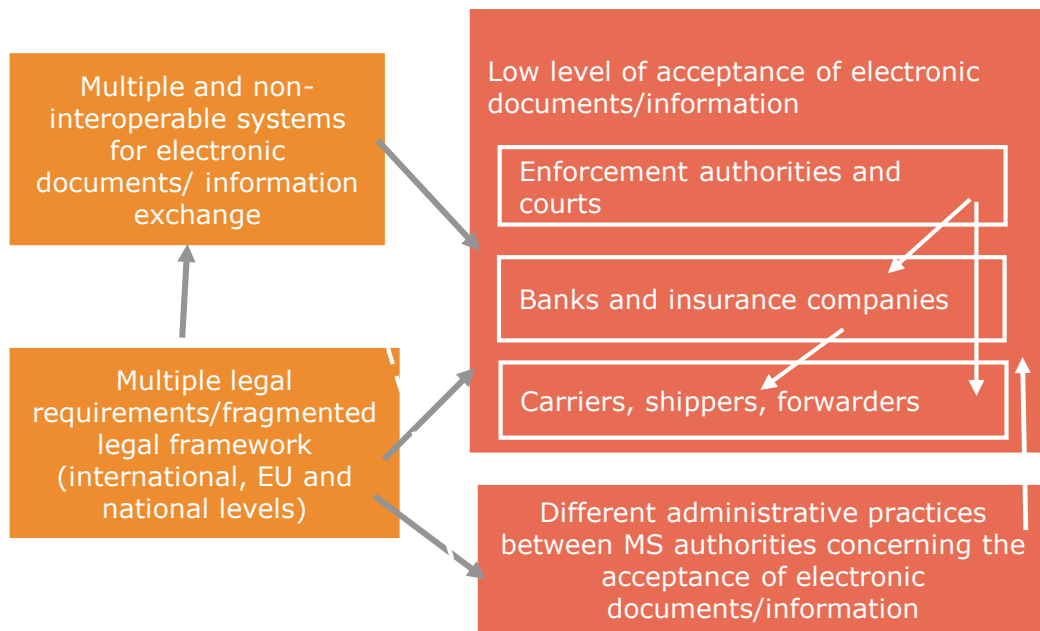
Digitalisation of transport documents – Impact assessment main findings

Drivers

Problems

Consequences

Market impact



<1% of freight transport operations within the EU are fully paperless

eFTI Regulation - Key elements

Existing regulatory information requirements → Common data specifications

- **EU and national legislation** regulating freight transport in the EU hinterland (rail, road, inland waterways, aviation)
 - Combined transport, cabotage (road), dangerous goods and waste shipments, aviation security, non-discrimination of tariffs
 - Rules concerning the means of transport and the personnel not concerned

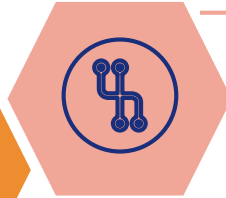
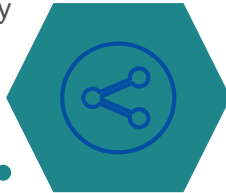
Obligation for all competent authorities in all EU MS

- To accept the information electronically
- To use the same requirements/technical specifications for acceptance



Option for the economic operators

- Can present the information electronically or use paper
- When opting for electronic, obligation to use certified eFTI platforms or service providers



Common requirements for service providers and platforms

- Platforms' functionalities
- Service providers' obligations

One stop shop certification

- Harmonised rules for third-party certification
- Certification is valid EU-wide



eFTI Regulation and the international conventions on transport contracts – an illustration for road

eFTI Regulation EU 2020/1056

eCMR Protocol to UN CMR Convention**

Conditions and **implementation specifications** for the use of electronic means to prove compliance with rules on freight transport in the EU by **rail, air, inland waterways** and road

Use of electronic documents in cross-border transport of goods by road



Conditions for the legal equivalence of the electronic form of the international road transport contract (aka consignment note/CMR)

Information required to prove compliance with transport rules

- **Use for inspection by authorities**
- Use in B2B communication*
- Use in courts*

90-95% of CMR information



Information required to be included in the transport contract/CMR

- **Use in B2B transactions/communication**
- **Use in courts**
- Use for inspection by authorities*

All EU MS + EEA, directly applicable

Currently 17 EU MS / 30 countries party



Open to all UN countries, subject to ratification

*Not covered, but allowed (i.e. not prevented)

** Convention on the Contract for the International Carriage of Goods by Road (CMR) (1956)

eFTI Regulation - Requirements (1/3)

Requirements for authorities (Art 5 and Art 7):

- accept cargo transport information made available electronically by the operators in accordance with certain defined requirements
- apply harmonised rules for access to, and verification of, the information made available electronically by the operators
- use a common data set and subsets, corresponding to the information requirements in the respective EU and MS legislation, for the electronic processing of the information

eFTI Regulation - Requirements (2/3)

Requirements for operators (Art 4):

- if choosing to present the information electronically, the information should be made available to the authorities by means of certified EFTI platforms
 - ✓ in machine-readable format, via a unique identification link
 - ✓ in human-readable format, at the request of the respective authority

eFTI Regulation Proposal - Requirements (3/3)

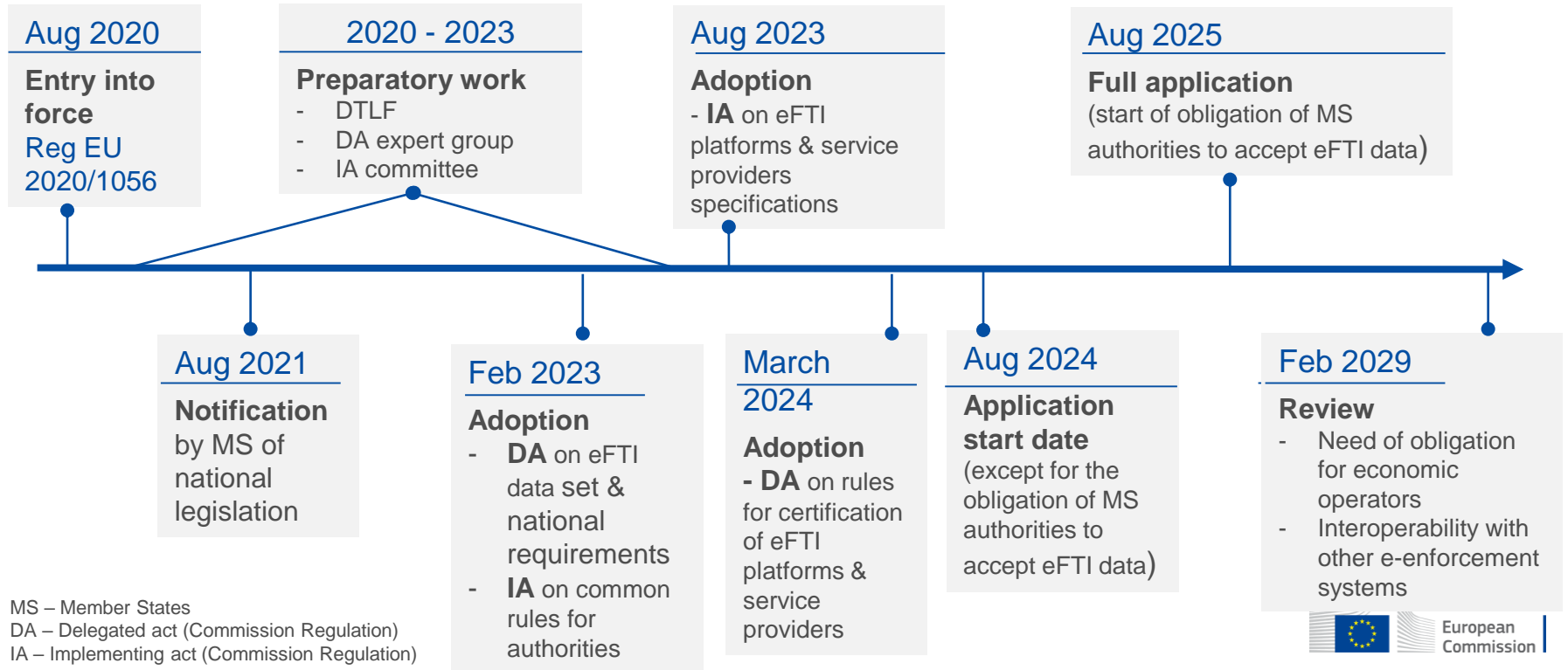
Requirements for eFTI platforms and EFTI (platform) service providers:

- to be certified, eFTI platforms need to comply with certain functional requirements to ensure, among others, data authenticity, integrity, cybersecurity (Art 9)
- service providers interested in operating an eFTI platform and in offering operators information processing services, including access to authorities, will also need to comply with a number of set requirements and receive certification (Art 10)
- Detailed implementation specifications for these requirements to be adopted by Commission through implementing legislation

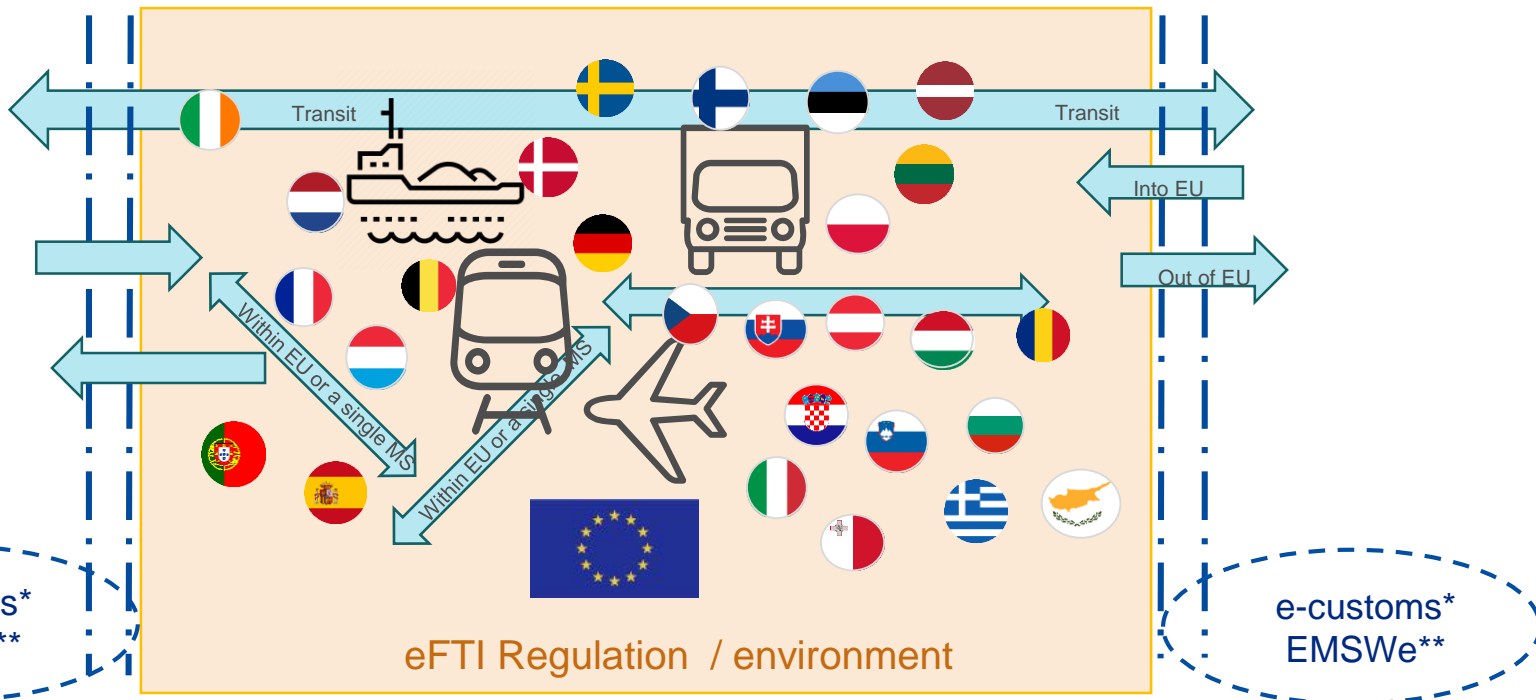
Certification of eFTI platforms (Art 11) and service providers (Art 12):

- to be performed by independent bodies accredited by competent bodies in the EU Member States, on the basis of the requirements set out in the regulation and subsequent implementation specifications

eFTI Regulation implementation and application – Indicative timeline






eFTI Regulation and other EU acts supporting trade & transport digitalisation in the EU

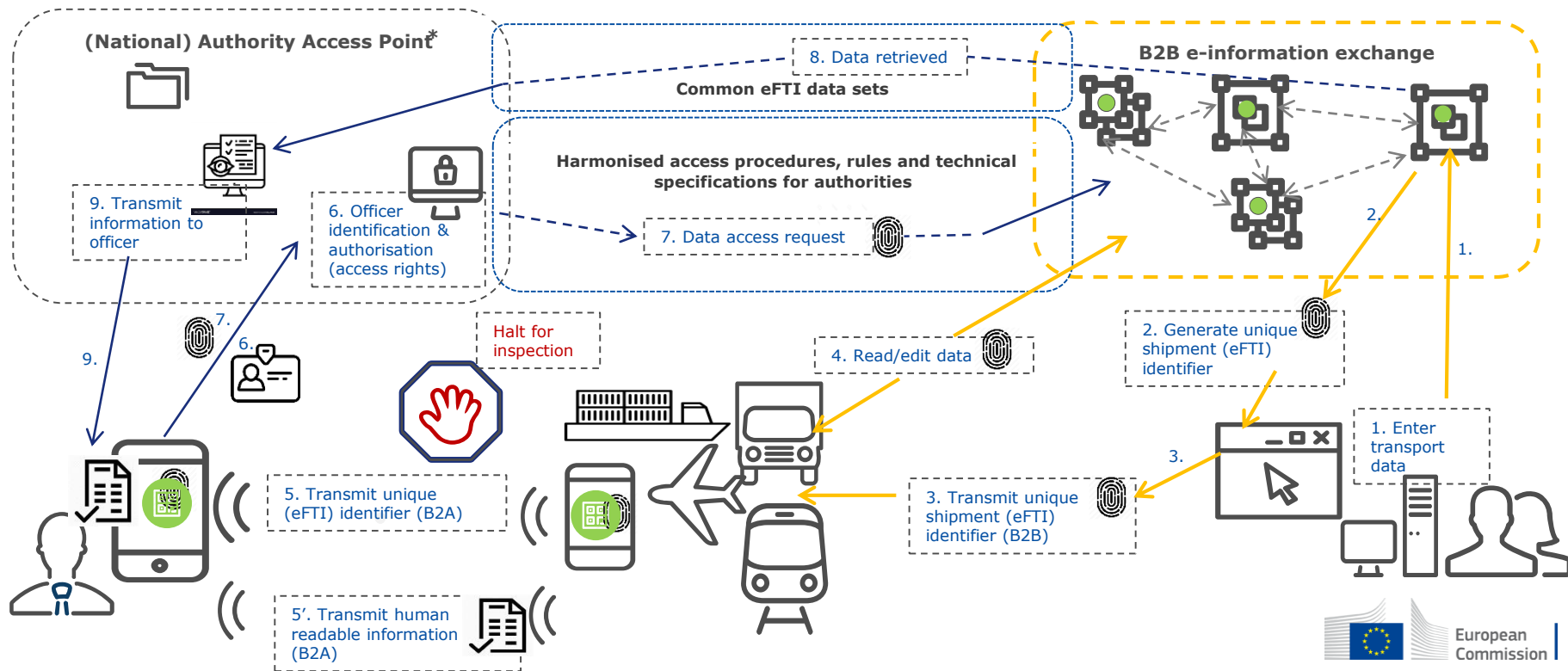


*Regulation (EU) No 952/2013 laying down the Union Customs Code (UCC)

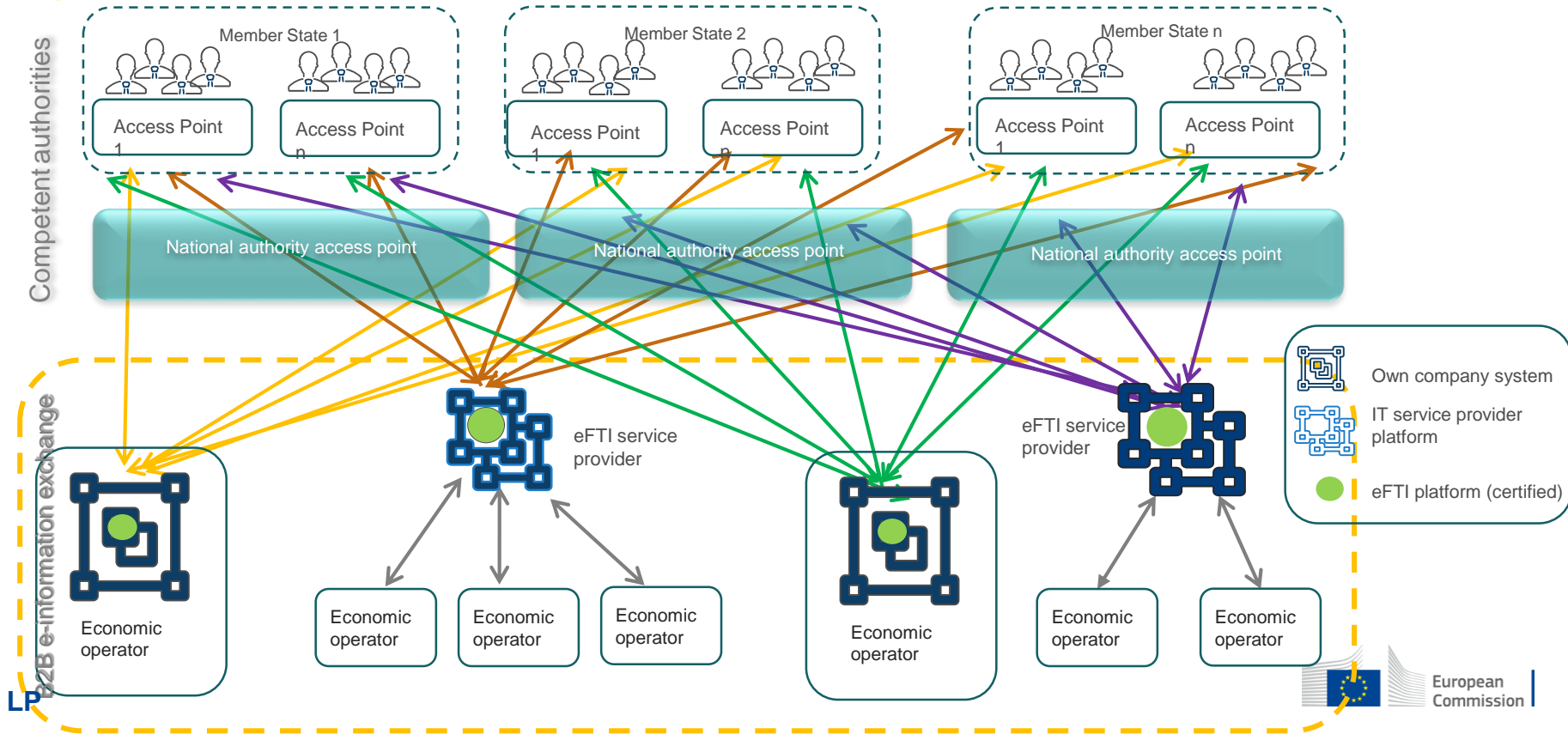
**Regulation (EU) 2019/1239 establishing the European Maritime Single Window Environment (EMSWe)

eFTI exchange environment – Vision

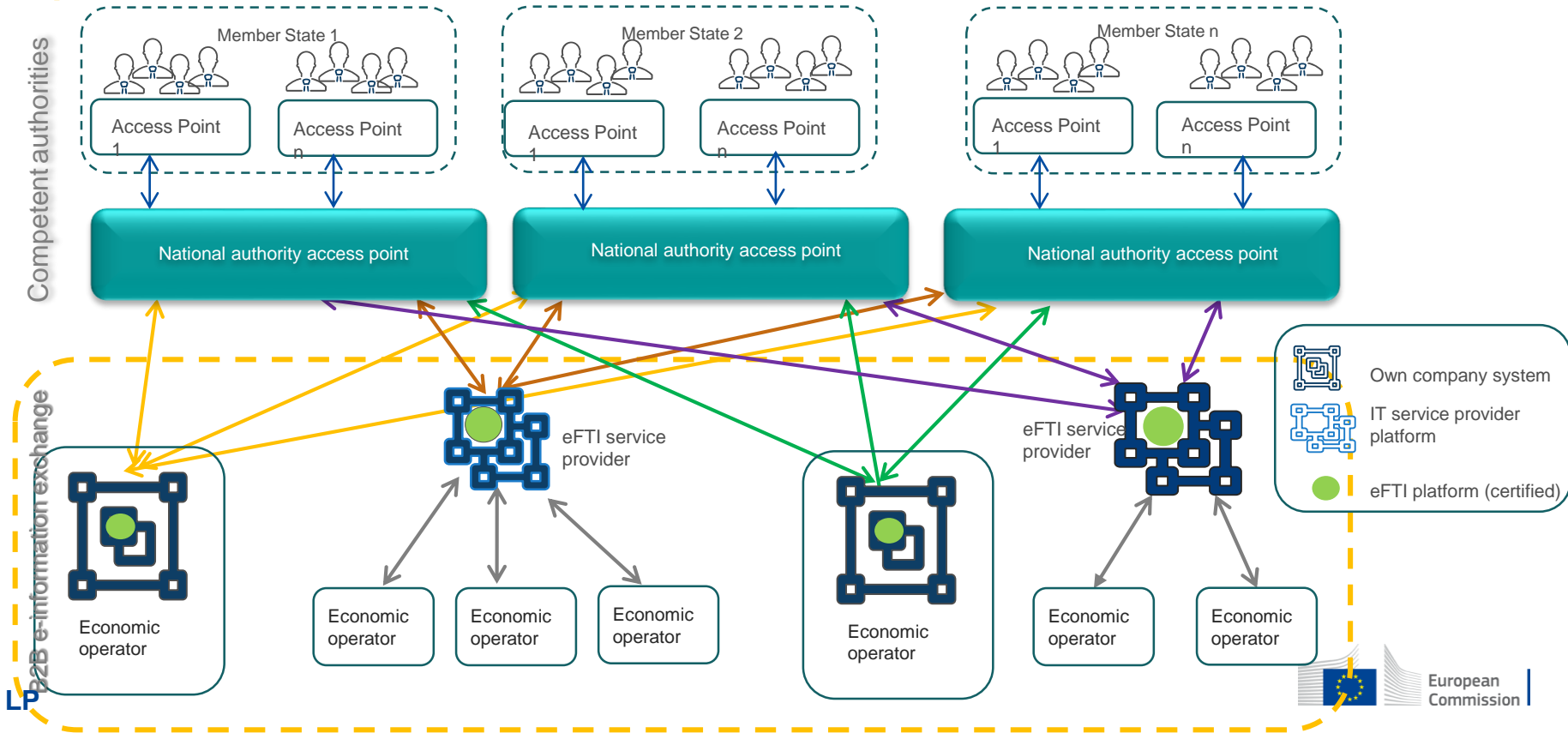
- ICT systems:
-  EO's own company system
 -  IT service providers
-  eFTI platforms / certification



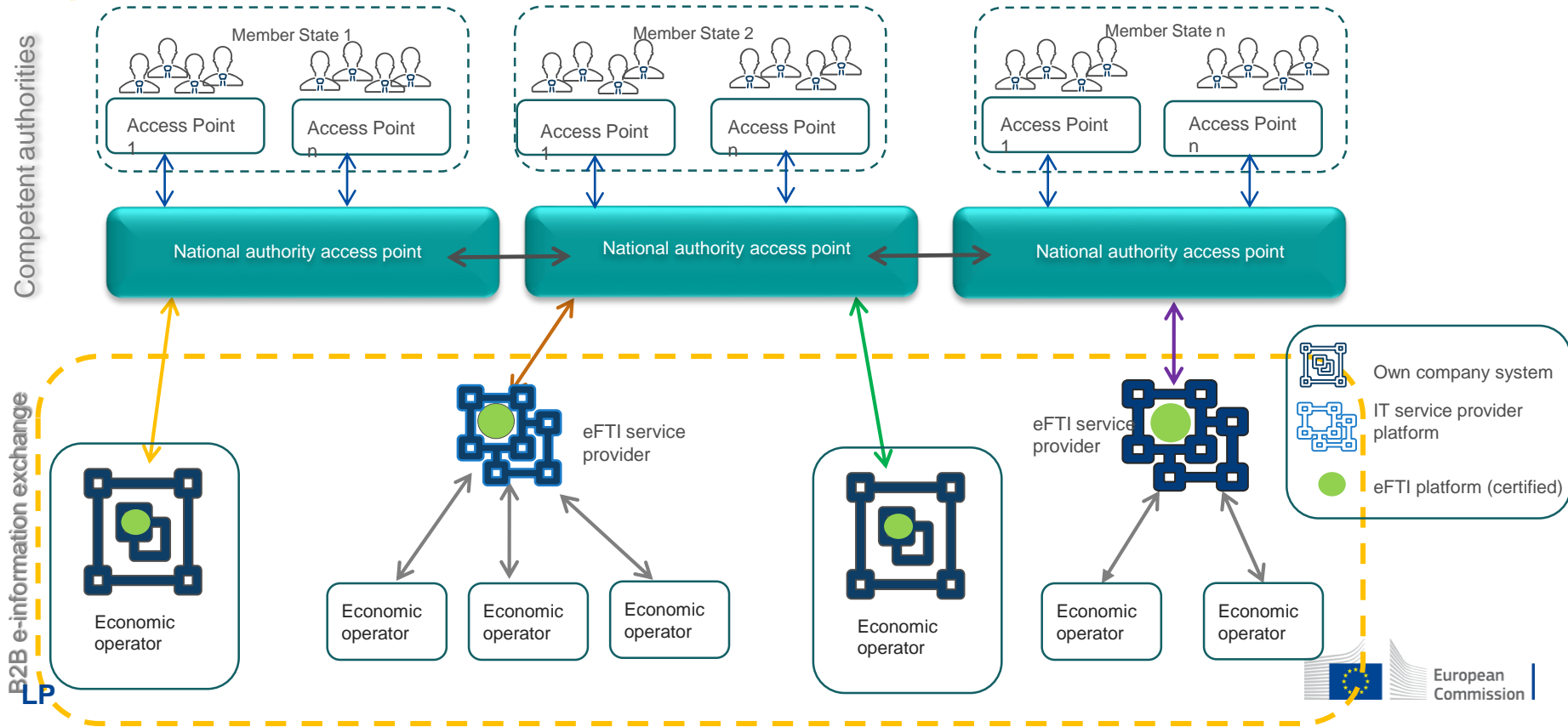
eFTI exchange environment – Potential implementation architecture



eFTI exchange environment – Potential implementation architecture



eFTI exchange environment – Potential implementation architecture



(Draft) Principles for eFTI exchange environment technical implementation

eFTI Architecture Principles

Architectural Principles

P1 - Data is Shared at Source

P2 - Data Sovereignty

P3 - Decentralized Approach, Common Rules of Interaction

P4 - Trust, Non-Repudiation by Default

P5 - Security, Appropriate Authentication

P6 - Access and Rights

P7 - Once-Only

P8 - Open Specifications and Standards, Interoperability

P9 - Technology Independence

P10 - Easy Deployment, Integration and Transition

P11 - Support a Transition Period

General Architectural Principles

GP1 - Holistic Thinking

GP2 - KISS

GP3 - Scalability

GP4 - Modularity

GP5 - Maintenance and Development

GP6 - Sustainability

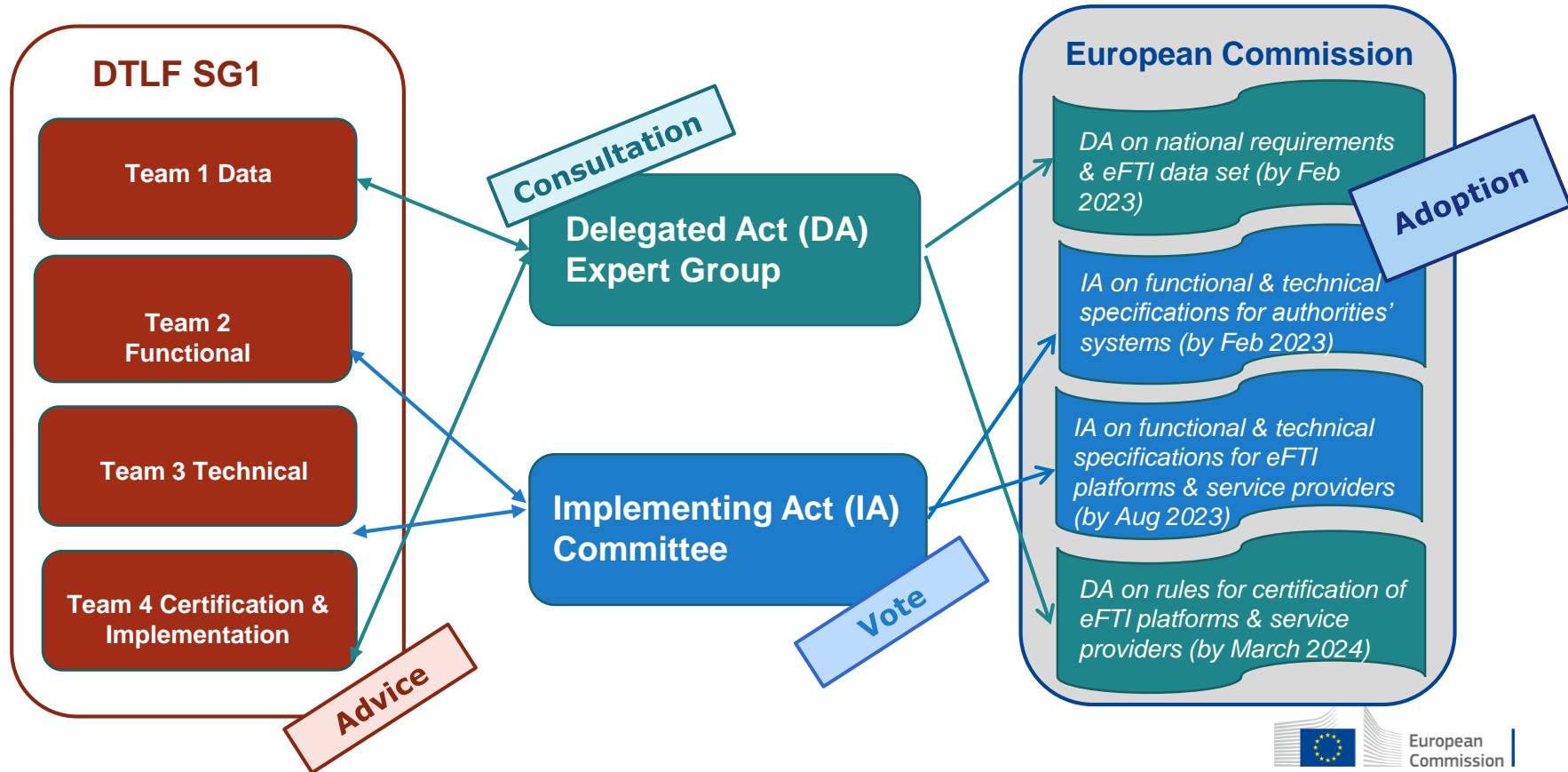
Preparation and adoption of the eFTI supplementing and implementing legislation

- eFTI Delegate Acts
- eFTI Implementing Acts

Preparing eFTI Reg. secondary acts - Who does what ? (1/2)

Entity	Composition	Role	Scope	State of play
Digital Transport and Logistics Forum (DTLF)	<ul style="list-style-type: none"> ✓ Industry representatives (majority) ✓ Member States experts (≈12 MS currently actively represented) 	Advise the European Commission (EC) in considering different implementation options → Recommendations	<ul style="list-style-type: none"> ✓ All aspects covered by eFTI secondary acts (eFTI data (sub)set(s), functional & technical specifications for authorities and private sector systems, certification) + uptake	<ul style="list-style-type: none"> ✓ On-going preparatory work in four thematic Teams of DTLF Sub-group 1 ✓ Expected to finalise recommendations by autumn 2022
Delegated Act (DA) Expert Group (DTLF Subgroup 3)	<ul style="list-style-type: none"> ✓ Member States experts (all MS should be represented) ✓ European Parliament experts ✓ Industry representatives (selected DTLF representatives) 	Assist the EC in defining the implementation specifications → Consultation → EP & Council have 2 months to formulate any objections after EC adoption	<ul style="list-style-type: none"> ✓ National legislation requirements (Art. 2) ✓ eFTI common data set and subsets (Art. 7) ✓ Certification rules for eFTI platforms & service providers (Art. 12 & 13) 	<ul style="list-style-type: none"> ✓ Two meetings held (November 2021 & April 2022) ✓ Next meetings (indicative): <ul style="list-style-type: none"> ✓ 15 September 2022 ✓ 13 Oct 2022 ✓ Nov/Dec 2022
Implementing Act (IA) Committee (Digital Transport and Trade Facilitation Committee)	<ul style="list-style-type: none"> ✓ Member States experts (only!) 	Assist the EC in defining the implementation specifications → Vote before EC can adopt the IA	<ul style="list-style-type: none"> ✓ Functional & technical specifications for authorities' systems (Art. 8) ✓ Functional & technical specifications for eFTI platforms & service providers (Art. 9 & 10) 	<ul style="list-style-type: none"> ✓ First meeting on 19 May 2022 ✓ Next meetings (indicative): <ul style="list-style-type: none"> ✓ July 2022 ✓ Sept/Oct 2022 ✓ Nov/Dec 2022 ✓ Jan 2023

Preparing eFTI Reg. secondary acts - *Who does what ?* (2/2)



Keep in touch



European Commission, DG MOVE, Unit D.1 Maritime Transport and Logistics

MOVE-DIGITAL-TRANSPORT@ec.europa.eu



[eFTI Regulation](#)

[eFTI Regulation impact assessment](#)



[Digital Transport and Logistics Forum](#)

[Expert group register: DTLF](#)



[Watch video here](#)

Thank you

Lia Potec, Policy Officer
Unit D1 Maritime Transport and Logistics
Directorate General for Mobility and Transport



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

