



eFTI4EU: The future of freight transport is digital

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www.efti4eu.eu



Co-funded by
the European Union

eFTI4EU - Electronic Freight Transport Information for the EU

eFTI4EU is co-funded by the European Union's CEF funding programme through the European Climate, Infrastructure and Environment Executive Agency (CINEA). It is the first project aimed at implementing the EU eFTI Regulation 2020/1056.

23

Partner

28.3

million euros

45

Months Term

9

Member states

4

Observer

eFTI4EU

Partners and Observers

-  PARTNER
-  OBSERVER



Mission & Goals



Activities

Developing and providing national and regional eFTI roadmaps, ensuring that eFTI is implemented and integrated consistently across Member States.

Translating EU Regulation and accompanying legal acts into specifications.

- National and regional roadmaps
- eFTI Gate specifications



Disseminating project achievements and pilot results, while also establishing capacity-building initiatives for the stakeholder community

- Communication on eFTI
- Events and publications
- Capacity-building
- Training



Development and testing of eFTI Gates and Platforms based on real use cases, nationally and across borders.

- eFTI Architecture
- Pilot projects (national and cross-border)
- Open source reference implementations
- Reference documents



What is eFTI? Why eFTI?

- In 2027, all EU Member States are required to have aligned systems to accept electronic freight information presented by economic operators.
- The eFTI regulation is expected to be fully applicable during the second half of 2027:
 - EU member states' authorities will have the obligation to accept eFTI data
 - Economic operators (cargo owners, freight forwarders, carriers) have the option to voluntarily participate
- eFTI regulation mandates Member States to accept electronic transport information for demonstrating compliance, emphasising content requirements, data security, and common specifications.
- eFTI operates on data elements defined by regulation rather than entire documents, whereby competent authorities can access only the specific information they need so that unnecessary exposure is minimized.



eFTI Regulation
EU 2020/1056



What is eFTI? Why eFTI?

- An electronic environment to access information across Europe! Enables the digital retrieval of transport information for authorities according Regulation 2020/1056
- Obligation for authorities! Voluntary for the economy!
- Aim: Efficient freight transport is crucial for the Union's economic strength! BUT: Dependence on paper documents makes processes inefficient.
- Regulation 2020/1056 obliges EU control authorities to accept electronic information as proof of compliance; legal acts regulate content requirements, data security and components of the system architecture.
- eFTI works with data records that are defined, not with documents. Data stays at source!
- Start: second half of 2027: EU control authorities must have compatible systems and (be able to) accept electronic freight transport information.



eFTI Regulation
EU 2020/1056



Advantages for economic operators: freight owners, forwarders, carriers

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
- Up-to-date transport data sets
- According to the industry, savings of over €10 per digital freight document are possible* if you look at the process.

*Source: Open Logistics Foundation



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



eFTI timeline

2020-2023

PREPARATORY WORK

- DTLF, DA expert group, IA PUBLICATION committee
- **August 2021**: Notification by MS of national legislation

July 2025

OPINION BY DTF

- IA on eFTI platform requirements

9 January 2025

PUBLICATION

- DA on eFTI data set and National requirements
- IA on common rules for authorities

2029

REVIEW

- Need for obligation for economic operators
- Interoperability with other e-enforcement system

August 2020

ENTRY INTO FORCE

Regulation 2020/1056

Summer 2024

ADOPTION

- DA on eFTI data set & National requirements
- IA on common rules for authorities.

September 2025

ADOPTION

DA on rules for certification of eFTI platforms

9 July 2027

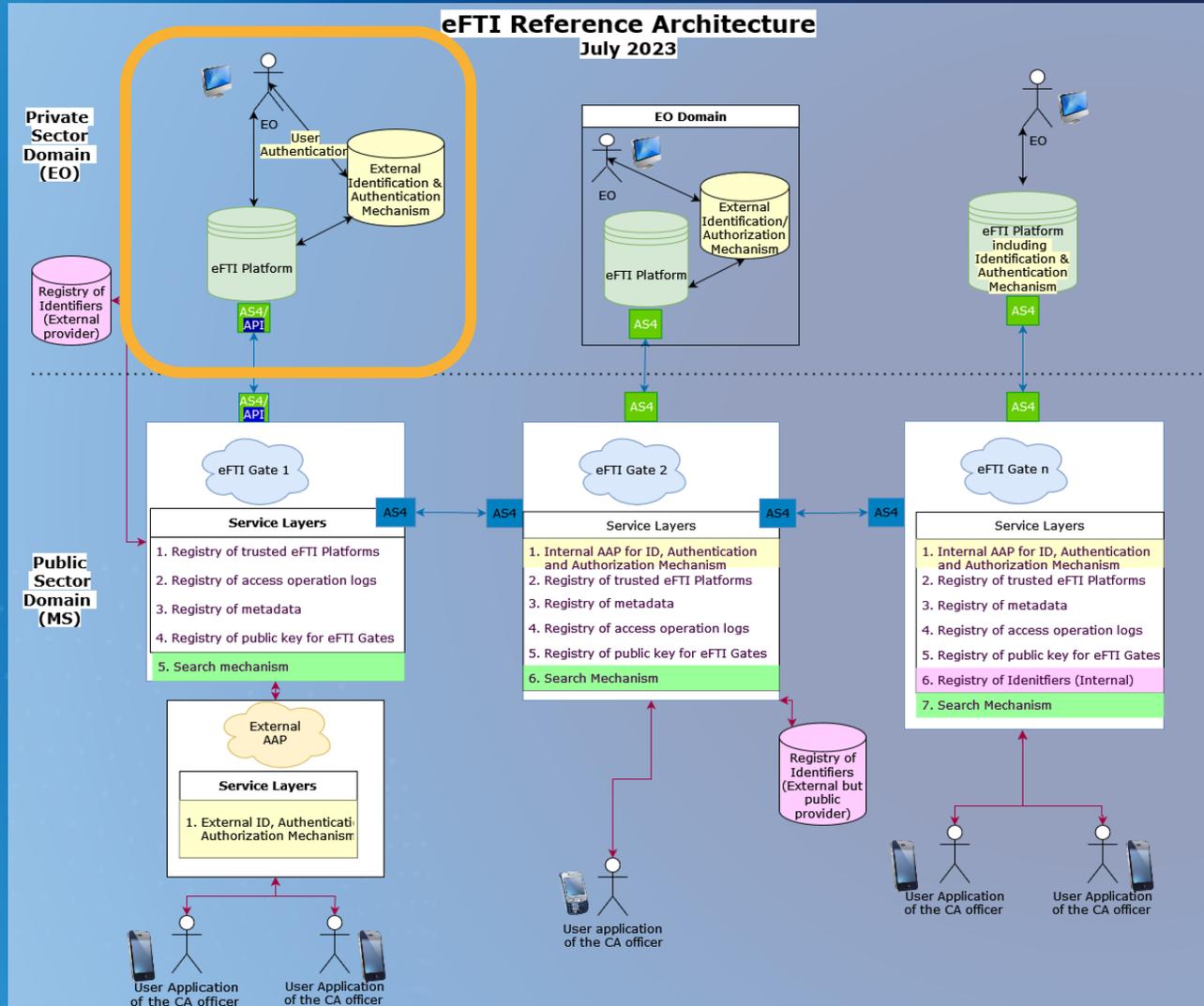
FULL APPLICATION

Start of obligation of Member States authorities to accept eFTI data

DA: Delegated act
MS: Member State
IA: Implementing act

The project will be implemented according to the eFTI timetable

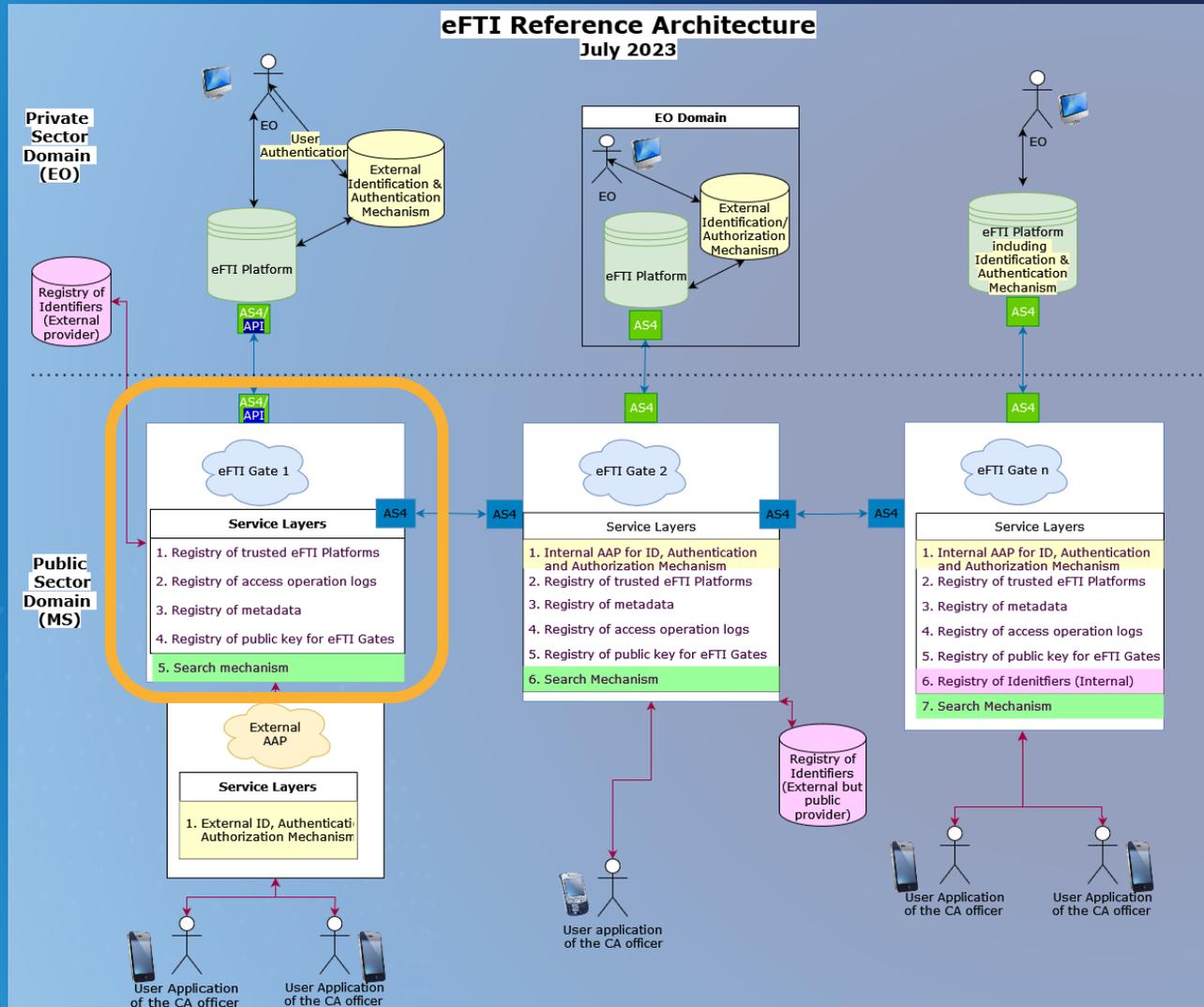
eFTI architecture and its main components



eFTI platform (private sector, economic Operator)

- Could be based on existing TMS and ERP systems and reuse functions if applicable (eFTI Platform to be understood a definition of properties)
- Provides up-to-date eFTI dataset for a transport or a consignment
- Identification of the transport via link and identifier
- Must be certified to demonstrate conformity with requirements (legal act for platforms (IA), legal act for certification (DA))

eFTI architecture and its main components

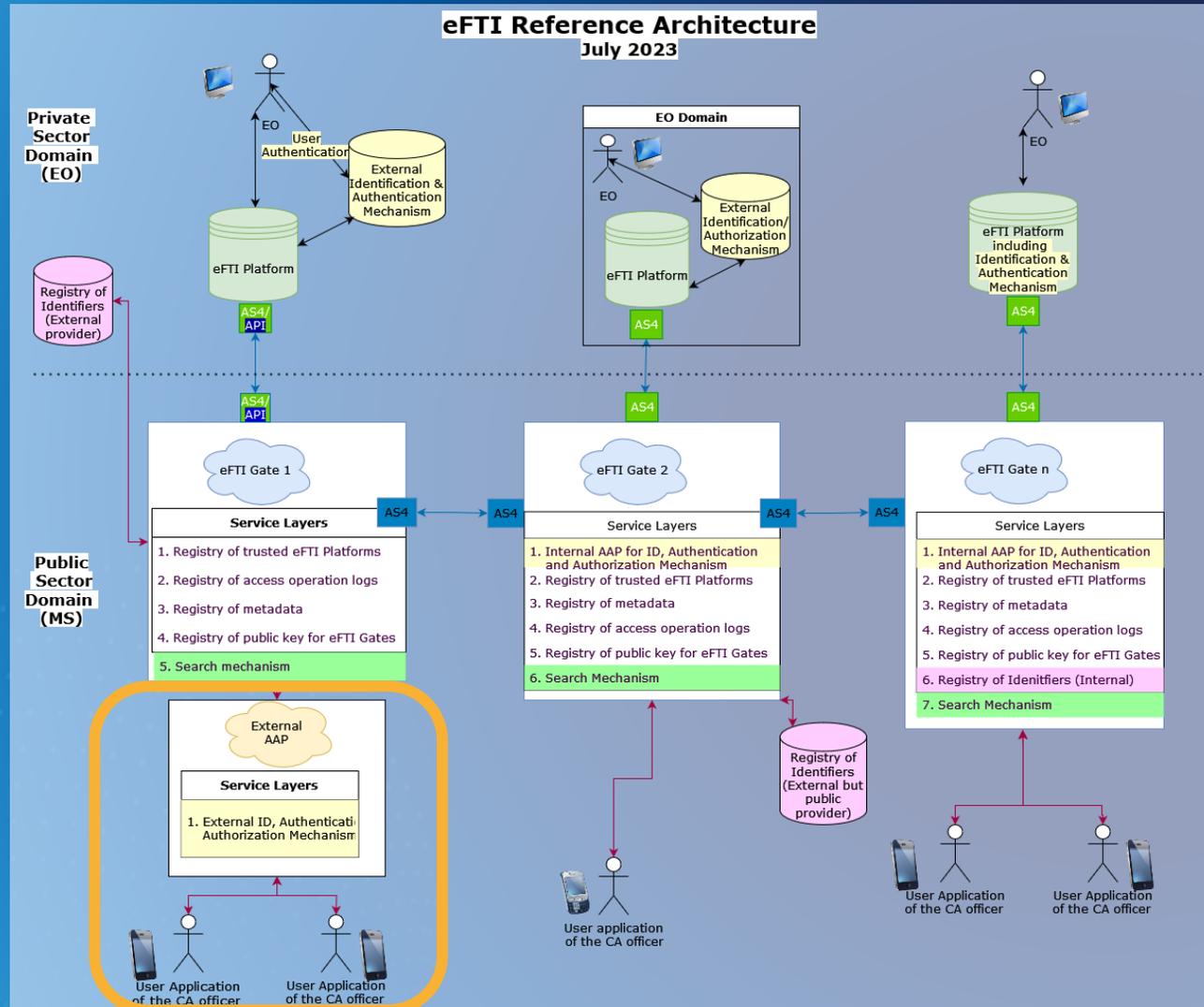


eFTI Gate

(public sector, each EU Member State)

- Intermediary between the eFTI platforms and the competent authorities
- Connected to all other EU eFTI gates
- Use of the eFTI exchange mechanisms to access eFTI data characterised by a Unique Identification Link and identifiers (e.g. number plate, vehicle identifier, etc.).
- No data storage unless irregularities

eFTI architecture and its main components



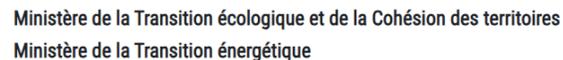
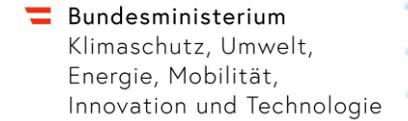
Authority Access Point (public sector)

- Identification, authentication and authorisation of access for competent authorities

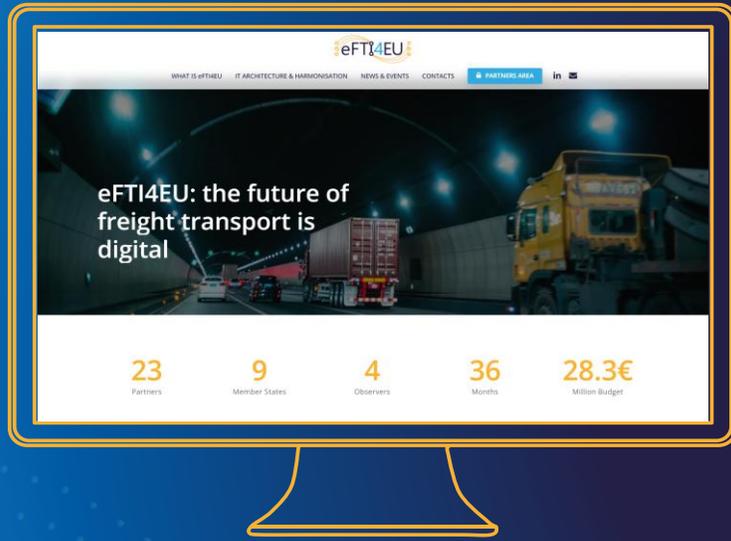
eFTI Expert Team (EET) Partners



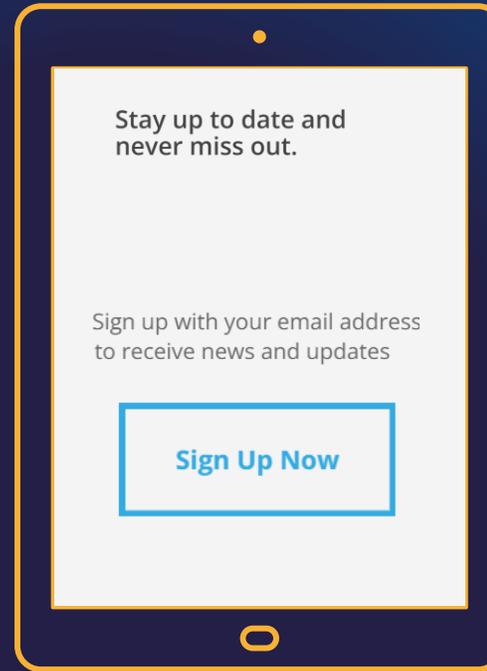
Consortium



Join our Stakeholder Community!



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Thanks!



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