



Sixth Technical Cooperation Workshop for the Western Balkans
***EU ELECTRONIC FREIGHT TRANSPORT INFORMATION REGULATION AND THE
USE OF UN/CEFACT SEMANTIC STANDARDS AND MULTIMODAL TRANSPORT
REFERENCE DATA MODEL IN THE WESTERN BALKANS***

Skopje, hotel Aleksandar Palace, 8-9 February 2024

Developing eFTI-supporting platforms using the global standards

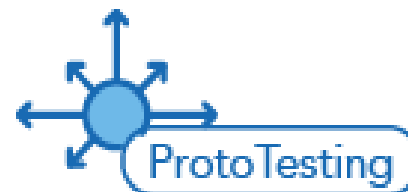
6th Technical Cooperation Workshop
for the Western Balkans
UNECE

ULRIKA HURT

08 February 2024, Skopje



ULRIKA HURT



DINNOCAP



PROLOG
EESTI OSTU- JA TARNEKELATE JAHTMISE OHING



SINGLE WINDOW
INITIATIVE ESTONIA

DIGINNO-Proto
e-CMR cross-border indexing prototype



NORDIC-BALTIC-POLISH
E-CMR EMPOWERED BY NDPTL

TAL
TECH



Istituto di Tecnologie Industriali e Automazione
Consiglio Nazionale delle Ricerche



EUROPEAN CLUSTER
COLLABORATION PLATFORM







eFTI REGULATION

eFTI REGULATION AND WORK OF DIGITAL TRANSPORT AND LOGISTICS FORUM

eFTI REGULATION

- From 20th of August 2025 all European Union Member States competent authorities will be accepting the electronic freight transport information from the economic operators. (*note: application date to be slightly extended*)
- It will **not** become mandatory for the economic operators to operate on electronic documentation, but **will organise the scene for doing so. Yet.**
- The Regulation establishes **a legal framework** for the electronic communication of regulatory information between the economic operators concerned and competent authorities in relation to the transport of goods on the territory of the Union.
- **Lays down the conditions** based on which competent authorities are required to accept regulatory information when that information is made available electronically by the economic operators concerned.
- **Lays down rules on the provision of services** related to making regulatory information available electronically by the economic operators concerned to competent authorities.



[LINK](#)

Law

Electronic freight transport information (eFTI) - procedures and access rules for competent authorities

Have your say > Published initiatives > Electronic freight transport information (eFTI) - procedures and access rules for competent authorities

Brussels, XXXX
[...] (2023) XXXX draft

COMMISSION IMPLEMENTING REGULATION (EU) .../...
of XXXX

laying down common procedures and detailed rules for accessing and processing electronic freight transport information by competent authorities in accordance with Regulation (EU) 2020/1056 of the European Parliament and of the Council

This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission.

 In preparation

 Draft act

Feedback period
24 October 2023 - 21
November 2023

FEEDBACK: OPEN

UPCOMING

 Commission adoption

Planned for
First quarter 2023

About this initiative

Summary

This implementing act sets out harmonised procedures, rules and technical specifications to be followed by competent authorities of EU countries in order to access the electronic freight transport information (eFTI) platforms of transport operators.

The aim is to guarantee that any eFTI platform can be accessed by the competent authorities of any EU country and to assure transport operators that the competent authorities handling their data are properly identified, authenticated and authorised.

Topic

Transport

Type of act

Implementing regulation

Committee

[C51900](#) 

Draft act

eFTI implementing act on common procedures and rules for accessing and processing of electronic freight transport information by competent authorities adopted 19th of December 2023, DTF

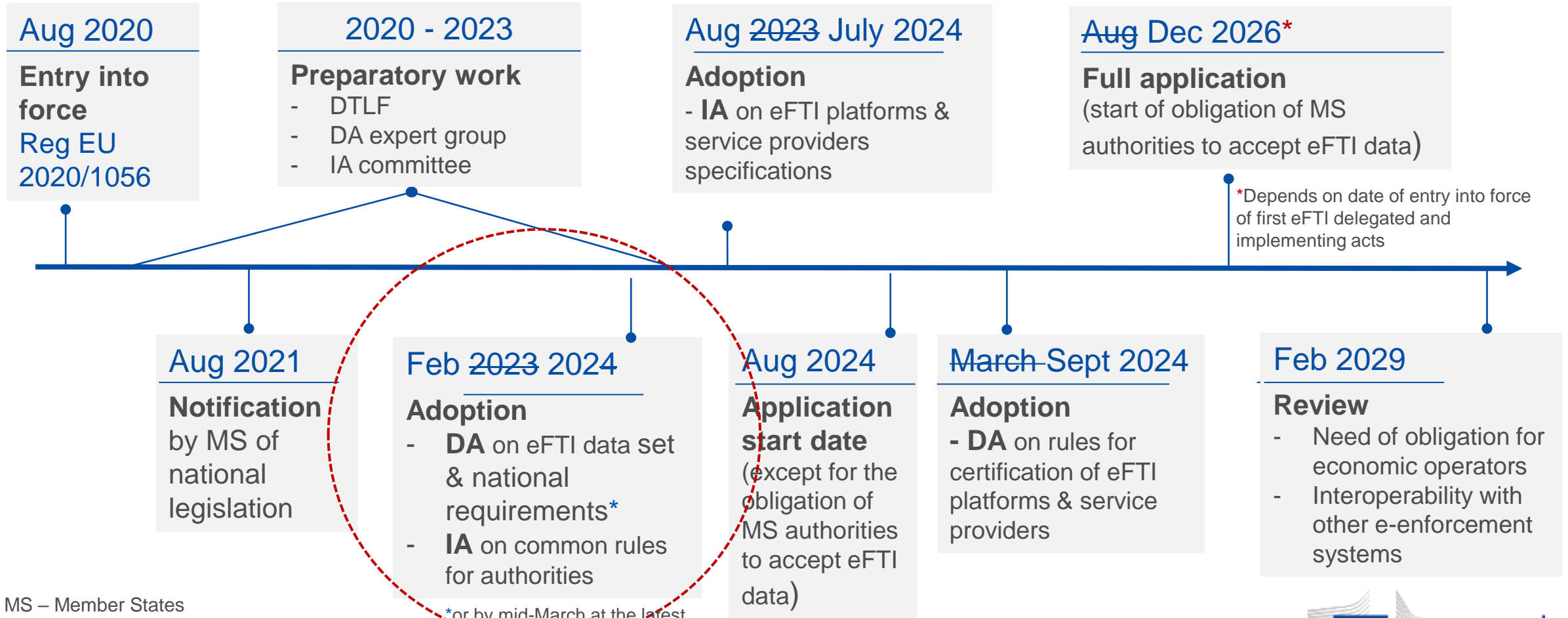
Committee Opinion

Examination procedure

European Commission



eFTI Regulation implementation and application – Indicative timeline (updated)



*Depends on date of entry into force of first eFTI delegated and implementing acts

MS – Member States
 DA – Delegated act (Commission Regulation)
 IA – Implementing act (Commission Regulation)

*or by mid-March at the latest

eFTI ARCHITECTURE and COMPONENTS



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

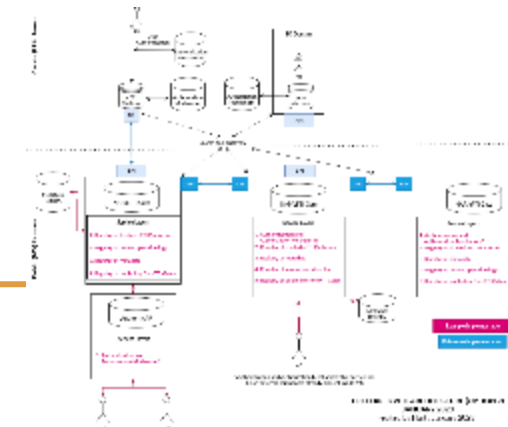
GP2 - KISS

GP3 - Scalability

GP4 - Modularity

GP5 - Maintenance and Development

GP6 - Sustainability



Technical and Functional Requirements Categories: Design Decision Categories

1 - Functional Structure/Architectural Structure

2 - Data Distribution/sharing and Data Attributes

3 - Data Access/Delivery

4 - Interoperability, Compatibility, Integration

5 - Authentication and Identification of Users

6 - Access Control

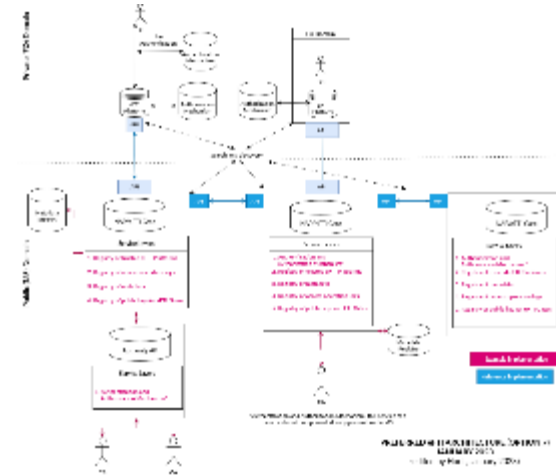
7 - Evidences and Logs

8 - Data Security, Cybersecurity

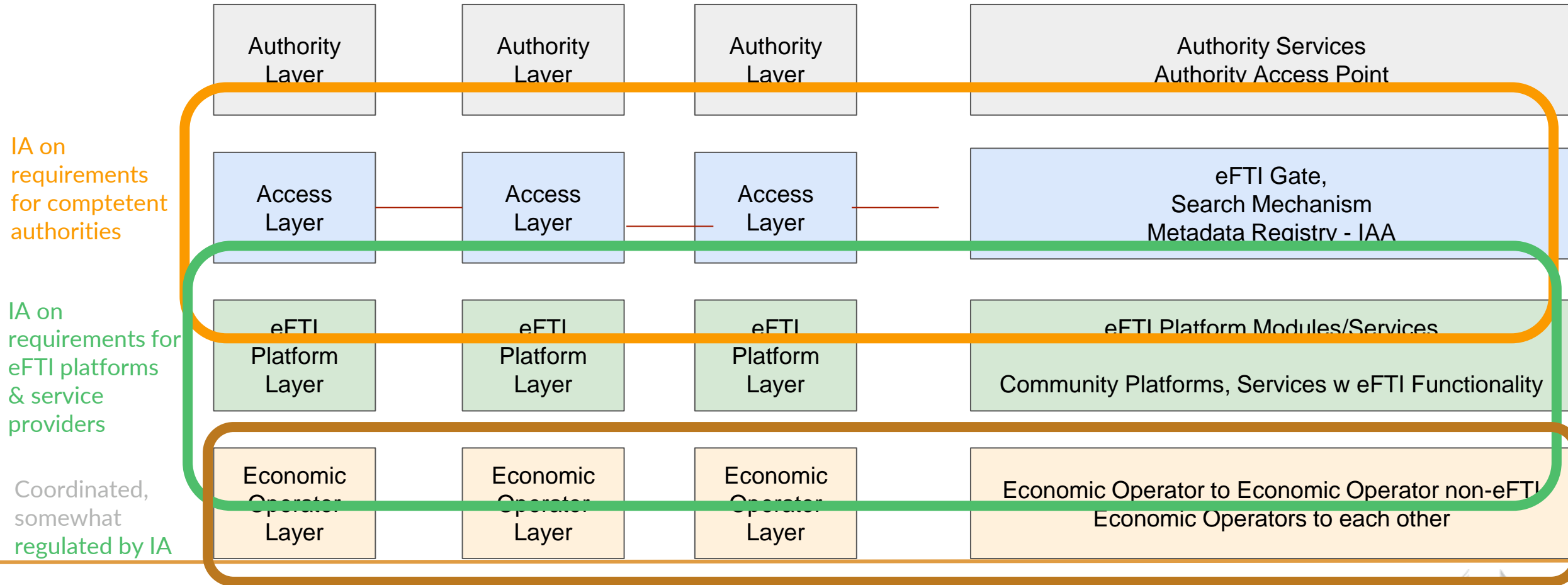
9 - Data Models, Semantics

10 - General IT aspects

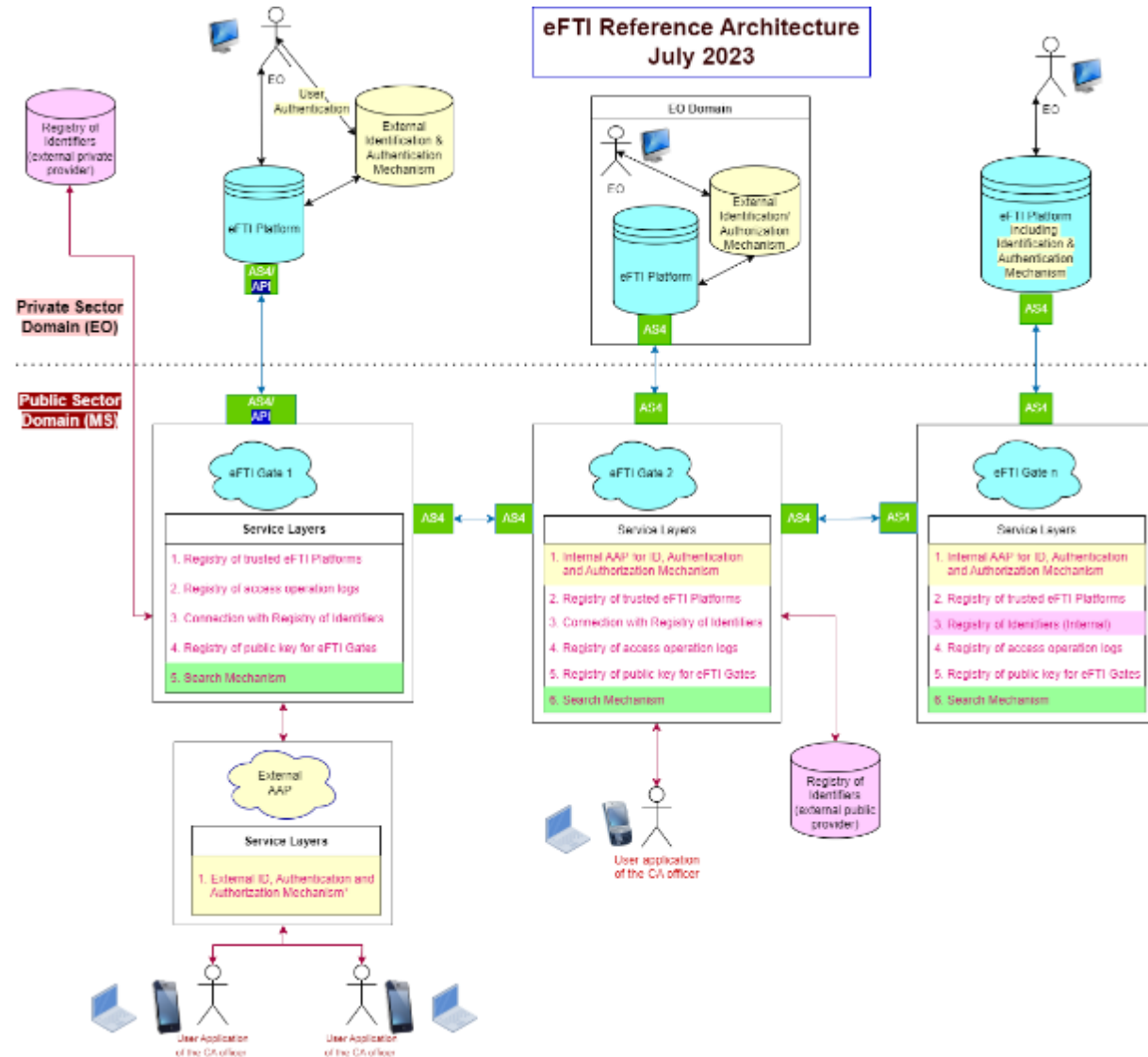
11 - General Non-Functional Aspects



LAYERED & REGULATED



eFTI Reference Architecture



eFTI PLATFORM REQUIREMENTS



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ESTONIAN SUPPORT MEASURE
eCMR and eFTI platforms
Development and uptake



REQUIREMENTS A YEAR AHEAD (2022) APPLICATION 1st STAGE UPCOMING 2023



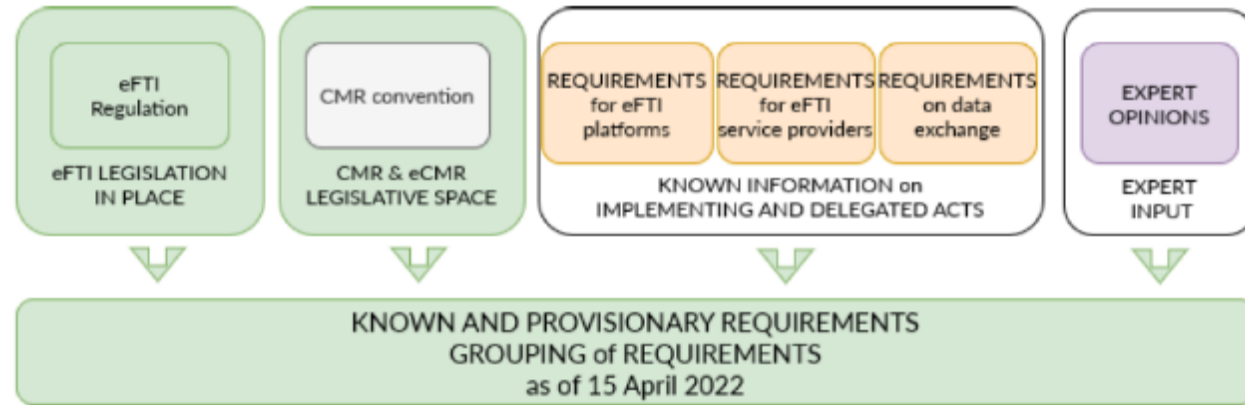
Analysis of the eFTI Regulation 2020/1056 requirements for eFTI platforms, service providers and data exchange with a focus on requirements on eFTI platform on electronic road transport waybills (eCMRs) April 2022

REPORT

CONTRACTING ENTITY:
Ministry of Economic Affairs and Communications
Business and Consumer Environment Department

Tallinn 2022

APRIL 2022 WORK



eFTI Technical Implementation Specifications

	Circle AS Pöytäkirja № 43 / 2021, 14.02.2022, lk. 1-14 www.circle.ee	
	Uurimiskeskus Digitaalne Eesti Teaduskeskus eFTI - talituse osakond www.digitaalne.ee	
Contract No.	MINISTRIKORRALDUS 2022-01-002-000005 (MATA 2022-00000001)	
Author(s)	Priska Sarnova, Antti-Matti Mäkelä, Märt Tõnisson, Jaan Vain	
Client	eFTI MVP	
Document Type	Technical Specifications	
Document ID	en-2-1521	
Document Name	eFTI Technical Implementation Specifications	
Revision History		
Revision	Date	Description / Reason for changes
1.0	20.11.2022	First draft
2.0	22.03.2022	Implementation of comments from EMNPs
2.1	04.02.2022	Final, and final version for submission to MA
Distribution - this document should be distributed to:		
Name	To be filled in	

eCMR and eFTI PLATFORMS: DEVELOPMENT AND UPTAKE



TARGET I: eCMR service providers developing eFTI platforms

TARGET II: Transport and logistics enterprises

ACTIONS:

- **STREAM I.** Planning, setup and development of the **eCMR platforms** compatible with the eFTI requirements, ready to exchange data with eFTI Gates.
- **STREAM II.** Integration and onboarding of transport and logistics companies, carriers to the eCMR/eFTI Platform use - uptake of digital solutions and the developed platforms.

TIMELINE: 2022-2025

BUDGET: 6 million euros. Recovery and Resilience Fund (RRF) funding.

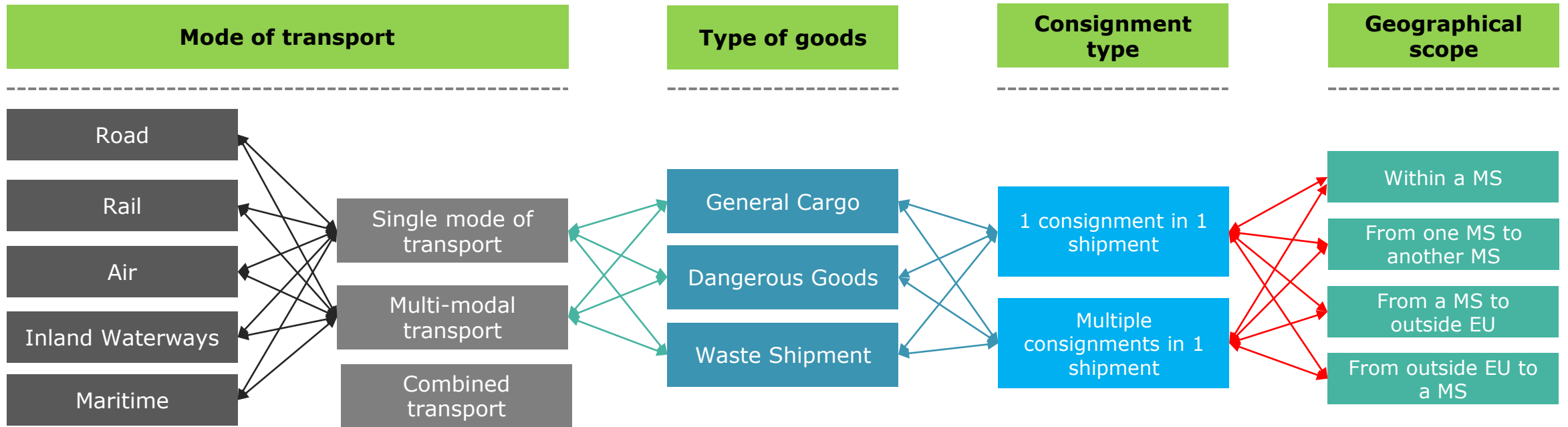


REPUBLIC OF ESTONIA
MINISTRY OF ECONOMIC AFFAIRS
AND COMMUNICATIONS



Reaalajamajandus

USE CASES – OVERVIEW WORK ONGOING



Before the start of shipment journey

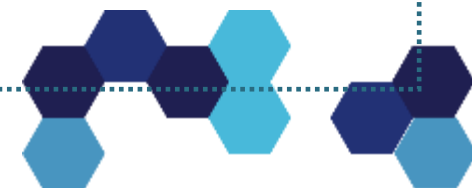
- Actors
- Software systems + data exchanged
- Documents involved + responsible actors

During the shipment journey

- Actors
- Software systems + data exchanged
- Documents involved + responsible actors
- Different work-flows and outcomes

After the shipment journey

- Key actions
- Software systems + data exchanged



GUIDELINES FOR eFTI Platforms

REQUIREMENTS COMING UP IN GREAT DETAIL

- Rules based upon the fact that PLATFORMS ARE TO BE BUILT IN A TRUSTED WAY to lessen the burden of COLLECTING information to single (government) database for reporting.
- Gates arrange a data request. Platforms hold data and respond when a request is made.
- Rules and requirements for eFTI Platforms: functional and technical to endorse trust.
- Rules based upon the business-centricity.
- Platforms connect Economic Operators and their information systems.
- Datasets evolved based upon international UNECE standards (MMT)
- Signatures and proof aligned with market and EU and non-EU national eID capabilities

NEXT STEPS

eFTI PLATFORM REQUIREMENTS
SUPPORT TO eCMR REQUIREMENTS

UPDATES on DATASETS

UPDATES on ACCEPTANCE of SIGNATURES, EVENTS

UNDERSTANDING OF eFTI UNIQUE IDENTIFIERS and OTHER UNIQUE IDENTIFIERS



eFTI4EU PROJECT: The future of freight transport is digital

www.efti4eu.eu

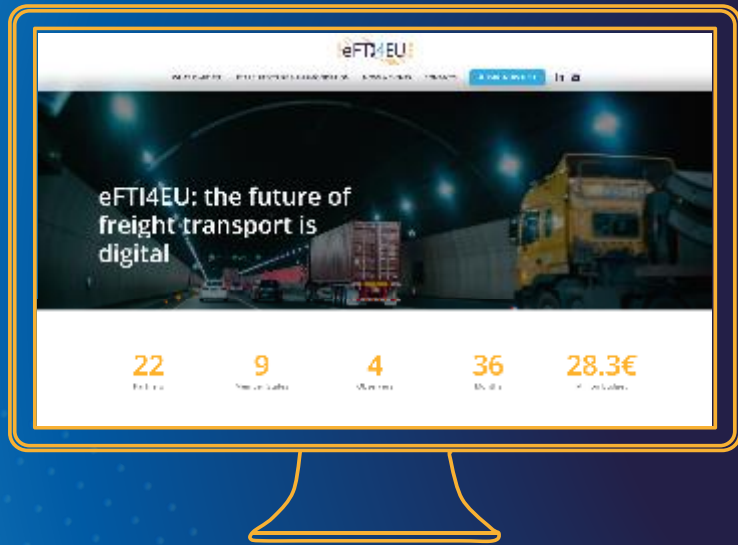
The future of freight transport is digital

CEF project 2023-2026

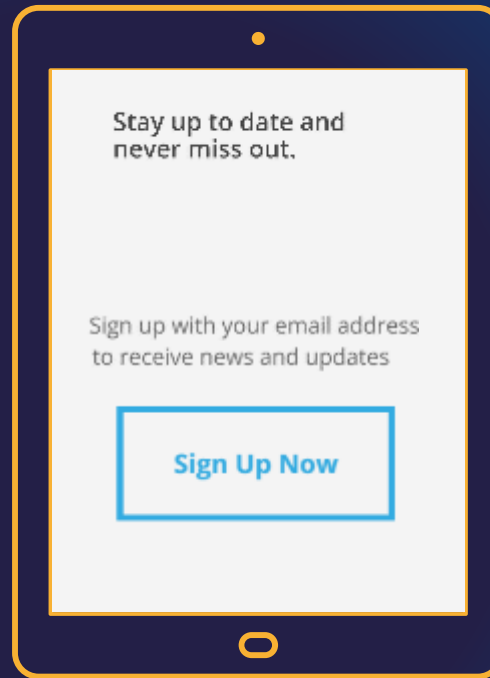
-  eFTI Architecture
-  eFTI Gate specifications
-  National Roadmaps
-  Pilots
-  Communication on eFTI
-  Dissemination via events and publications



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www.efti4eu.eu



eFTI4EU Newsletter



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THANK YOU



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