

Reference Advice and Validation Test Center

requirements coming from **EU Delegated Regulations**
and
compliance with **Minimum Profile Requirements**

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Agenda

- I. You don't know why DATEX II is used?
- II. You don't know how to ensure transnational interoperability in traffic data exchange?
- III. You don't know how and why you should compile EU directive compliant DATEX II profiles?

DATEX II

I. ITS Directive and Delegated Regulations

- Framework: Directive 2010/40/EU

Priority Area	Priority Action	Description
I Optimal use of road, traffic and travel data	a (EU) 017/1926	The provision of EU-wide multimodal travel information services
	b (EU) 2015/962	The provision of EU-wide real-time traffic information services
	c (EU) 886/2013	The provision, where possible, of road safety-related minimum universal traffic information free of charge to user
III ITS road safety and security applications	d (EU) 305/2013	Harmonised provision for an interoperable EU-wide eCall
	e (EU) 885/2013	The provision of information services for safe and secure parking places for trucks and commercial vehicles
	f	The provision of reservation services for safe and secure parking places for trucks and commercial vehicles

I. ITS Directive and Delegated Regulations

- Framework: Directive 2010/40/EU

Priority Action b

Priority Area	Priority Action	Description
I	a	The provision of EU-wide multimodal travel information services

1. For the purpose of facilitating the provision of compatible, interoperable, and continuous real-time traffic information services across the Union, road authorities and road operators shall provide the dynamic road status data they collect and update pursuant to Article 9 in DATEX II (CEN/TS 16157 and subsequently upgraded versions) format or any machine-readable format fully compatible and interoperable with DATEX II.

III ITS road safety and security applications	(EU) 886/2013	Information free of charge to user
	d (EU) 305/2013	Harmonised provision for an interoperable EU-wide eCall
	e (EU) 885/2013	The provision of information services for safe and secure parking places for trucks and commercial vehicles
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I. ITS Directive and Delegated Regulations

Priority Action c

The events or conditions covered by the road safety-related minimum universal traffic information service shall consist of at least one of the following categories:

- (a) temporary slippery road;
- (b) animal, people, obstacles, debris on the road;
- (c) unprotected accident area;
- (d) short-term road works;
- (e) reduced visibility;
- (f) wrong-way driver;
- (g) unmanaged blockage of a road;
- (h) exceptional weather conditions.

1. Public and/or private road operators and/or service providers shall share and exchange the data they collect pursuant to Article 6. For that purpose, they shall make these data available in the DATEX II (CEN/TS 16157) format or any fully compatible and interoperable with DATEX II machine-readable format through an access point.

I. ITS Directive and Delegated Regulations

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I. ITS Directive and Delegated Regulations

- Framework: Directive 2010/40/EU

Priority e

Priority Area			
<p>I Optimal use of road traffic and travel data</p>	<p>1. Public or private parking operators and service providers shall share and exchange data referred to in paragraph 1 of Article 4. For these purposes they shall use DATEX II (CEN/TS 16157) format or any DATEX II compatible international machine-readable format. Data shall be accessible for exchange and reuse by any public or private information service provider and/or parking operator on a non-discriminatory basis, and in accordance with access rights and procedures defined in Directive 2003/98/EC.</p>		<p>on services</p> <p>n services</p> <p>minimum universal traffic</p> <p>call</p>
<p>III ITS road safety and security applications</p>	<p>e (EU) 885/2013</p>	<p>The provision of information services for safe and secure parking places for trucks and commercial vehicles</p>	
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Priority Action a

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I Optimal use of road,	a (EU) 017/1926	The provision of EU-wide multimodal travel information services

2. The relevant static travel and traffic data listed in point 1 of the Annex that are applicable to NeTex and DATEX II shall be represented through minimum national profiles

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II. EU Minimum Profiles

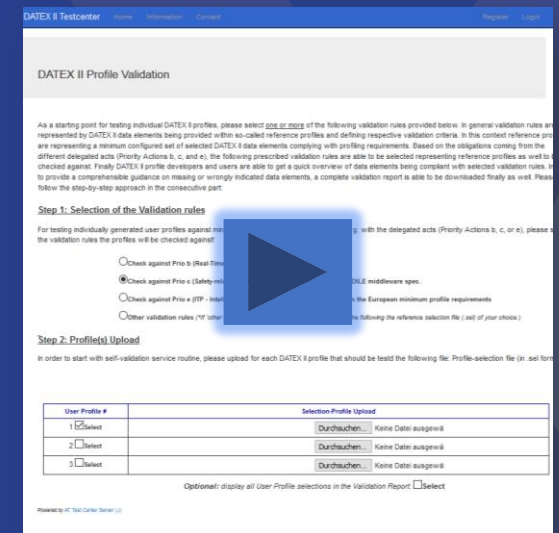
- Interoperability: independent DATEX II Profiling causes problems in the exchange between different operators
- Need for commonly agreed reference profiles
 - Development of RTTI- (b) and SRTI- (c) based reference profiles, which are widely used. E.g. CROCODILE “middleware specification”
 - ‘EU DATEX II minimum profile for Secured Truck Parking Areas’ (e)
- Reference profiles provide the freedom to use the DATEX II data model as required by national framework, but still having the required minimum sets of data categories and elements provided in the profile
- Harmonized representation of the Delegated Regulations



DATEX II

III. DATEX II Testcenter (Reference and Validation)

- Web-based tool to ensure conformance of individual DATEX II profiles to 'Directive-conform' reference profiles
 - Voluntary, anonymous and time-independent testing
 - A priori generated profiles are uploaded as profile-selection-files and validated against pre-selected reference profiles
- DATEX II exchanging operators and nominated body
- Focus on RTTI (b), SRTI (c) and Truck Parking (e) with Priority Action (c) already implemented



DATEX II

Video file

DATEX II

III. DATEX II Testcenter - Outlook

- Integration of validation routines for RTTI (b) + Truck Parking (e)
- Testing and elaboration of documentation/specification material
- Embedding user-support functionality
- Development towards DATEX II v3.0
- Requirements coming from Priority Action a (multimodal info)
- Validation of profiles based on other standards (e.g. NeTEx)



DATEX II

Thank you for your
attention!