



**MEMORANDUM OF UNDERSTANDING ON THE CONTINUED CO-OPERATION AND DIALOGUE  
BETWEEN THE DATEX II ORGANISATION AND THE EU ITS PLATFORM**

**INTRODUCTION**

DATEX II is a standardised e-language for traffic and travel data exchange between traffic control centres, traffic information centres and service providers. The European Commission describes the DATEX II standard as preferred in several Delegated Acts supporting the ITS Directive and ITS Action Plan.

The Commission has awarded a grant for the Action entitled **“DATEX II Programme Support Action (PSA) for Intelligent Transport Services (ITS) for Road”**

- The aim is to improve the interoperability between traffic centres (national, international, urban, public and private) across Europe while reducing the costs and providing extra business opportunities for service providers and ITS industries. The DATEX II modelling of its parameters also enhance the ITS systems as such, not only the exchange of data between them. I.e. the same definition of parameters is used in centres all over Europe. This enables and improves the European wide harmonisation and coordination of ITS measures and ITS developments. Standardisation of the data model for both the data exchange and the parameters within ITS systems enables many more ITS industries to enter this market and thus create a level playing field. It also gives this industry a competitive advantage to companies from outside Europe.
- The aim of the DATEX II PSA organisation is that in 2020 DATEX II is THE information model for road traffic and travel information in Europe.
- The aim of this Action is to provide the user community of the DATEX II standard a strong support organisation that provides all required support for optimal implementation of the desired information services in a harmonised and standardised way.

The Commission has awarded a grant for the Action entitled **“EU ITS Platform”**

The scope of EU EIP is to bring forward ITS harmonization to increase the efficiency of the TEN-T Core Network Corridors; it is mandatory to encourage the development of an integrated trans-European network and a better use of the existing infrastructures by employing intelligent transport systems as well as uniform technical standards.

The “EU ITS Platform” (EU EIP) is the place where National Ministries, Road Authorities, Road Operators and partners from the private and public sectors of almost all EU Member States and neighbouring countries, cooperate in order to foster, accelerate and optimise current and future ITS deployments in Europe in a harmonized way.

The “EU ITS Platform” brings together the majority of the European key players, cooperating to establish an open “forum”, aiming at providing valid contribution for the future strategy and policy recommendation for better development and deployment of ITS service along European road Corridors.

Within the EU EIP there is a specific “Harmonization Cluster” (Activity 4); the scope of this activity to bring forward ITS harmonisation through three lines of action:

- EC ITS Directive Specifications. Whilst the Specifications are under the responsibility of the EC, the EU EIP will collect real-life experiences from the application of those specifications and will comment – if and where possible – on draft versions of the EC Specifications or provide recommendations for improving the existing ones.
- Continued development of tools for interoperable ITS. Development of specific tools instrumental to continuity and interoperability of ITS services guidelines for optimal data and service quality.
- Extension of ITS harmonisation into new areas. The work in Activity 4 includes development of tools supporting ITS harmonisation in new and growing areas like Cooperative ITS Systems and interfaces towards urban road networks and other transport modes.

Regarding the strategic data exchange domain, EU EIP will aggregate & harmonise the various user requirements and ensure dissemination of results and recommendations through strong liaison and cooperation with relevant organizations such as DATEX II PSA, TISA, POLIS, ETSI, INSPIRE, Amsterdam Group, C-ITS Platform, TN-ITS and other potential stakeholders.

The facilitation of the electronic data exchange is crucial for the successful development of many priority areas, actions and services mentioned in the ITS Directive 2010/40/EU. According to the areas, to the services or to the implementations, user requirements can significantly vary. The knowledge of these various user requirements is essential for taking them into consideration in the future standardisation process.

Within the “Harmonization Cluster” there is a specific sub-activity: “Liaison and harmonisation on interfaces for data exchange (SA 4.5)” with two objectives:

- to collect user requirements coming from the ITS corridor projects and EW DGs
- to forward the information related to new user requirements to DATEX II project

Data-exchange requirements vary significantly according to region, supported services or specific implementations. Furthermore deployments of ITS services in different Corridors as well as conclusions from the harmonisation activities carried out in EU EIP (e.g. on Deployment Guidelines or out of the Expert Groups) will inevitably lead to different user needs regarding data-exchange.

These different requirements need to be considered for the future standardisation process of data exchange, in particular the development of common data structures as part of the CEN/EN 15167



family of European Norms (DATEX II Data), as well as future exchange protocol standards to be developed by ISO TC204 WG9, based on the DATEX II Exchange specifications.

There is need for a strong link between EU ITS Platform and the DATEX II PSA organisation.

## THE SIGNATORIES AGREE

1. to ensure and guarantee the continued co-operation and dialogue between the two organisations and to support the consensus building regarding data-exchange requirements;
2. to clearly agree on roles and responsibilities between EU EIP SA4.5 and DATEX II PSA to avoid duplication of work and effort;
3. Technical co-operation and dialogue between DATEX II and the EU ITS Platform will allow to define a common template to collect new user requirements in a homogenous way through a common format sheet in respect to the current issue tracker running on datex2.eu, cf annex 1.
4. The EU ITS Platform through Sub-activity 4.5, will be in charge to collect, aggregate and manage harmonization of all new user needs coming from EU ITS Platform and ITS Road Corridor projects (ArcAtlantique2, CROCODILE2, MedTIS2; NEXT-ITS2 and URSA MAJOR2 and their successors) and provide them to DATEX II project.
5. It must be noted that EU EIP SA4.5 can act as mentioned the above point 4, only and if ITS Road Corridor projects will provide, on voluntary basis, their inputs. In case of conflicting requirements from the corridors, EU EIP can only fulfill its harmonization task if corridors cooperate and deliver resources to reach consensus on the requirements.
6. The DATEX II PSA will be in charge to the technical implementation and realization of the agreed requirements.
7. EU EIP SA4.5 will provide to DATEX II PSA an annual consolidated user requirements list for all ITS Corridors and EU EIP Activities and will implement these requirements in the datex2.eu issue tracker. This will be done before the 15<sup>th</sup> of October of every year to enable DATEX II MG to discuss the list in their November meeting.
8. DATEX II will provide EU EIP with a response about how DATEX II will support the EU EIP request within four months after the annual consolidated user requirements list has been submitted by EU EIP to DATEX II. A requirement can be accepted or rejected. If accepted, mainly three types of solutions are possible: user documentation, new functionality, profile with documentation

9. The DATEX II PSA will process all requirements from the ITS Corridor projects and EU EIP Activities (incl. Deployment Guidelines) as bundled via EU EIP SA4.5. It is noted that the need for harmonized requirements from other sources (Member States, private sector, CEN comments, website issue tracker...) are not bundled by SA4.5 and will be processed by the DATEX II PSA directly with the appropriate priority.
10. The DATEX II PSA organisation is represented in the EU ITS Platform cluster EU EIP SA4.5 "liaison and harmonization on interfaces for data exchange" with at least two delegates; one from the Steering Group and one from the Technical Management Group.
11. The EU EIP SA4.5 Leader is invited to join DATEX II meetings.

#### Signatories

EU EIP representative

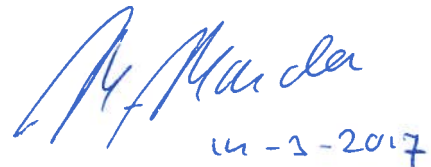
Roberto ARDITI  
EU EIP Project Manager



16.3.2017

DATEX II SPA representative

Marjolein MASCLEE  
Chair DATEX II Steering Group



16-3-2017



ANNEX 1

**EU EIP SA4.5**  
**New data exchange requirement request sheet**

		EU EIP	
	<b>CORRIDOR</b>		A2 Monitoring and dissemination
	URSA MAJOR		A3 East West Corridor
	ARC ATLANTIC		A4.1 Determining Quality of European ITS Services
	CROCODILE		A4.2 Facilitating automated driving
	MedTIS		A4.3 Deployment Road Map Update
	NEXT ITS		A4.4 Cooperative ITS Services Deployment Support
			A4.5 Liaison and harmonisation on Interfaces for data exchange
			A4.6 Monitoring and Harmonisation of Single Point of Access
			A4.7: Provision of Updates of ITS spatial road data
Contact name			
contact mail			
content of the request	D2 Extension		
	D2 Profile		
	issue		
D2 Extension D2 Profile	Title:		
	Implemented Node		
	Datex Versions		
	Extension / Profile object		
	Extension / Profile information	description + attached file	
Issue (only feature request)	component		
	general		
	UML model		
	Dictionary		
	Tool		
	Methodology		
	Exchange		
	Documentation		
	Title:		
	Description	description + attached file	