

## DATEX II User Forum 20/21 March 2012 - Stockholm

ESG1 – ESG2

The User Experience: Using DATEX II Profiles in Traffic Information and Management Deployments

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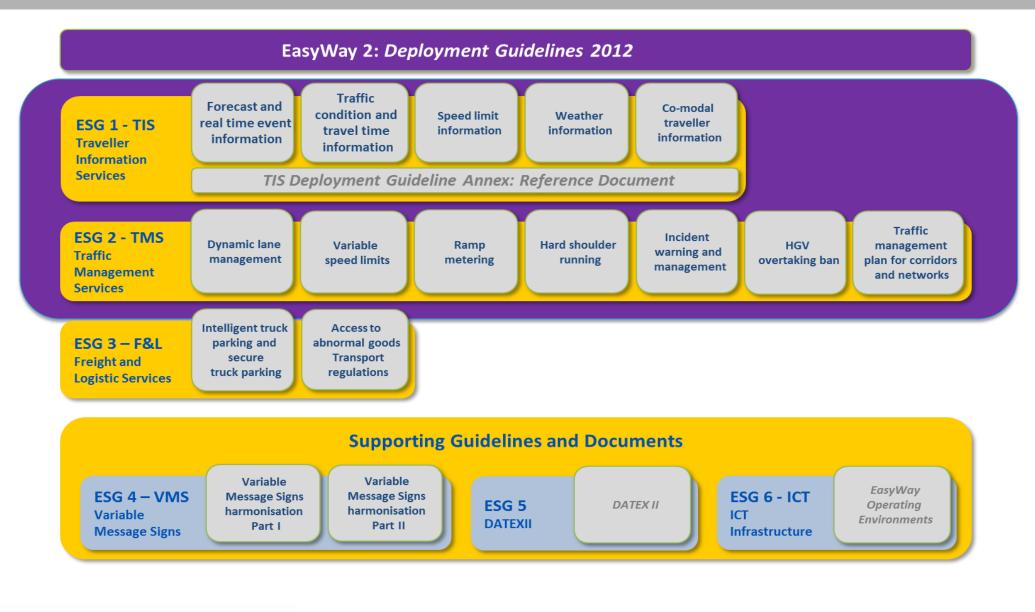
#### Presentation

- ESG1- ESG2 Deployment Guidelines
- ESG1- ESG2 DATEX II Requirements
  - A common view
  - A different approach
- ESG1 and ESG2 DATEX II requirements' exemples
- Conclusion



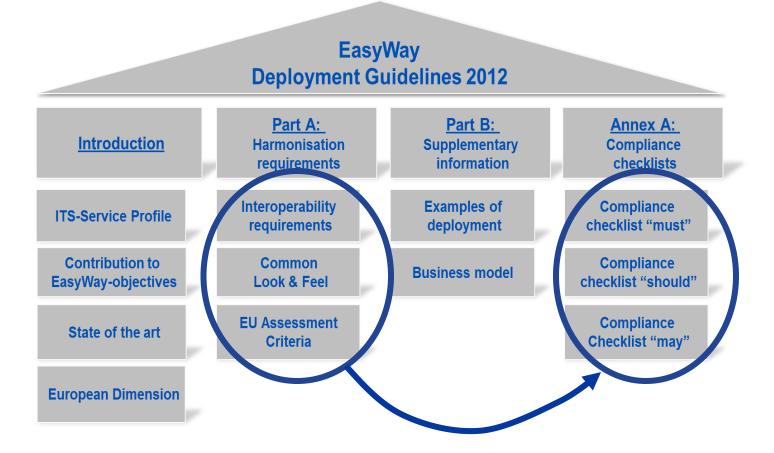
#### **ESG1 and ESG2 Deployment Guidelines**

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#### **ESG1 and ESG2 Deployment Guidelines**

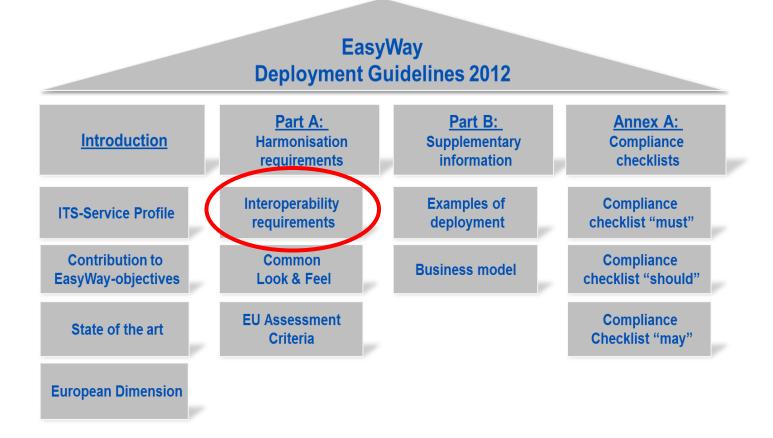
# Strong new orientations for 2012 DG with "part A" dedicated to specific requirements :





#### **ESG1 and ESG2 Deployment Guidelines**

## DATEX II has been considered as a main Interoperability technical requirement





#### **ESG1 and ESG2 DATEX II Requirements**

## A Common view

#### Identify DII profile

 a solid dimension in terms of service standardisation and harmonisation

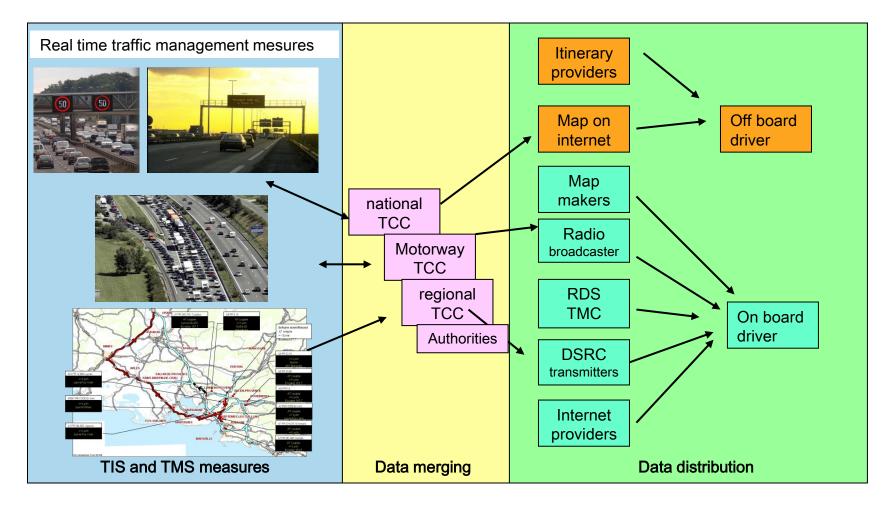
#### Provide requirements for DII use : "must requirements"

- Respect profiles when implementing services
- Commit to publish the information according to DII publications



#### **ESG1 and ESG2 DATEX II Requirements**

#### Use of DATEX II profile will guarantee coherence between real time TIS & TMS measures and dissemination of information

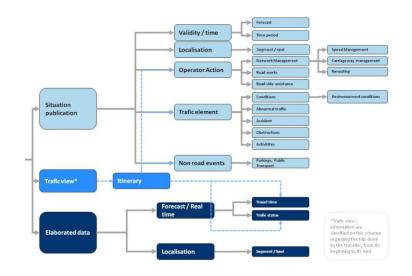




#### **ESG1 and ESG2 DATEX II Requirements**

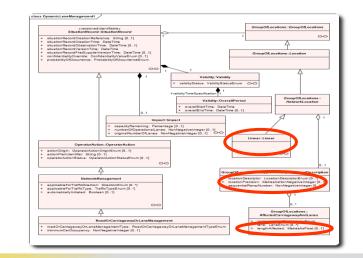
## A different approach

#### ESG1: Proposal of a simplistic DII scheme



### ESG2: Use of DII Model for identifying classes / attributes and type enum

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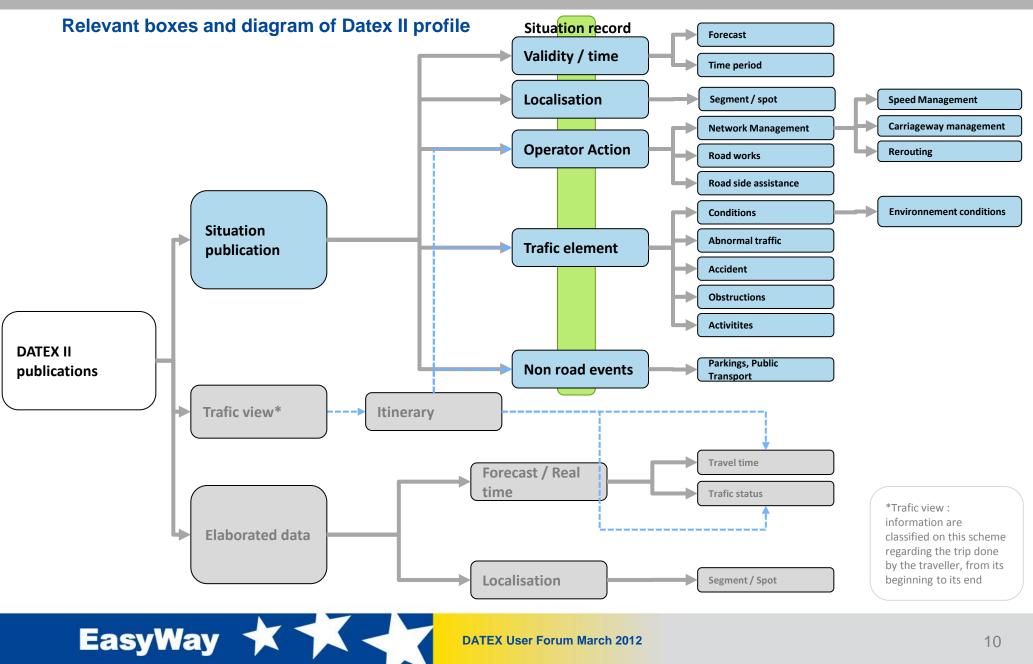




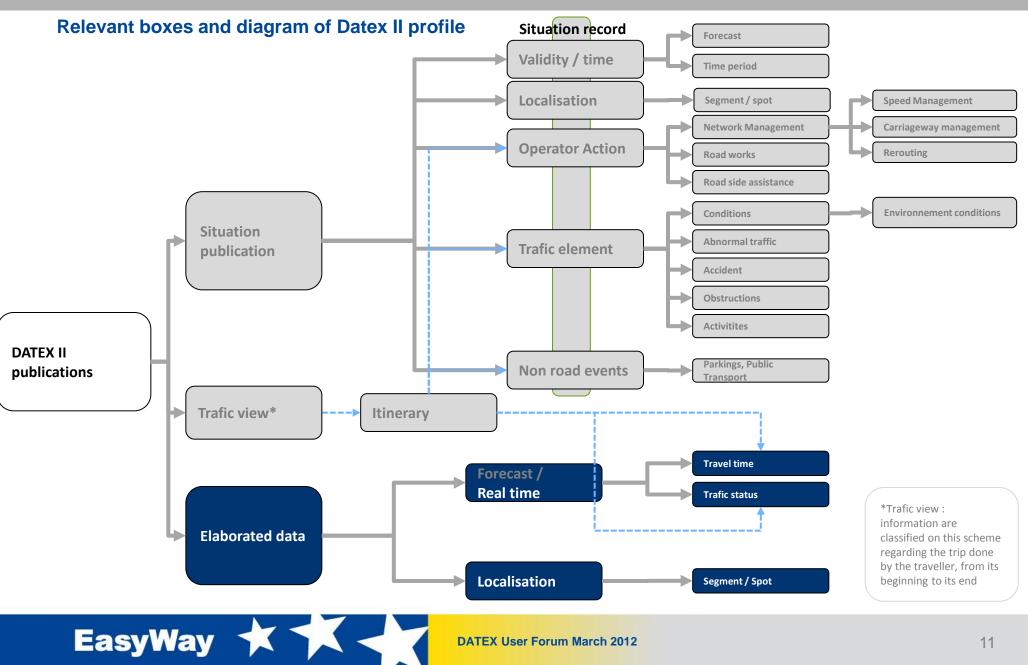
### **Exemple of DII Profiles identified within ESG1**



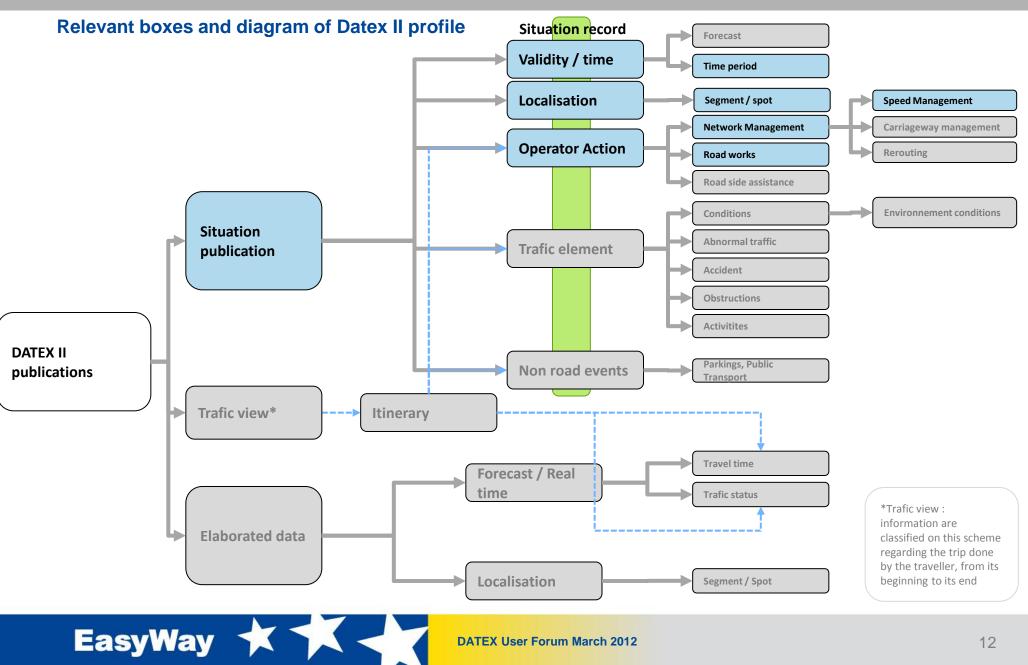
#### **DATEX II > TIS DG 02 Forecast and Real Time Events**



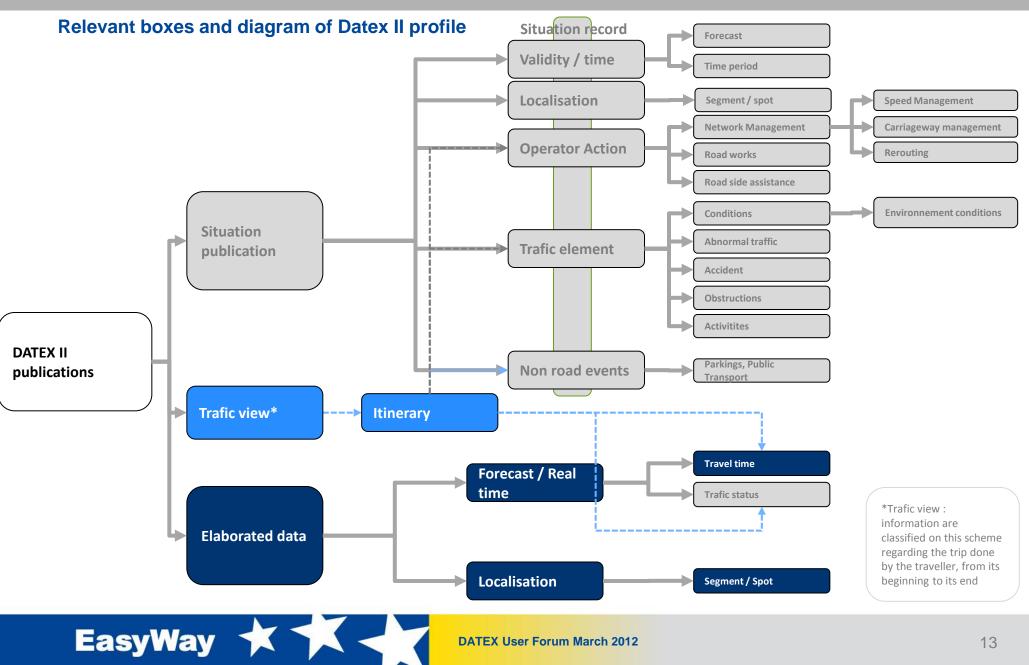
#### **DATEX II > TIS DG 03 Traffic Conditions**



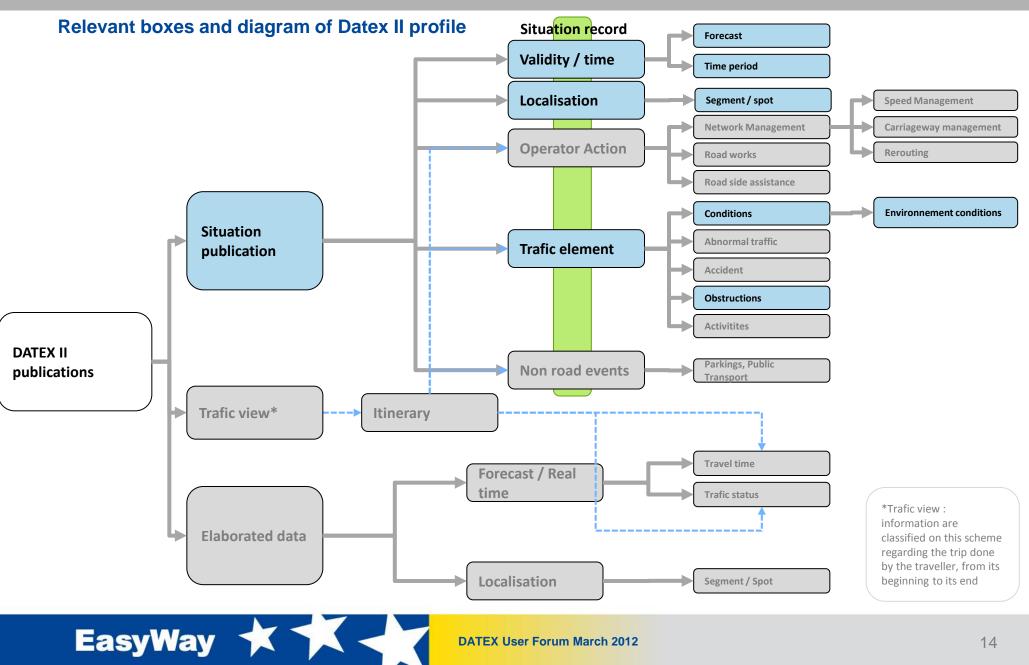
#### DATEX II > TIS DG 04 Speed limit



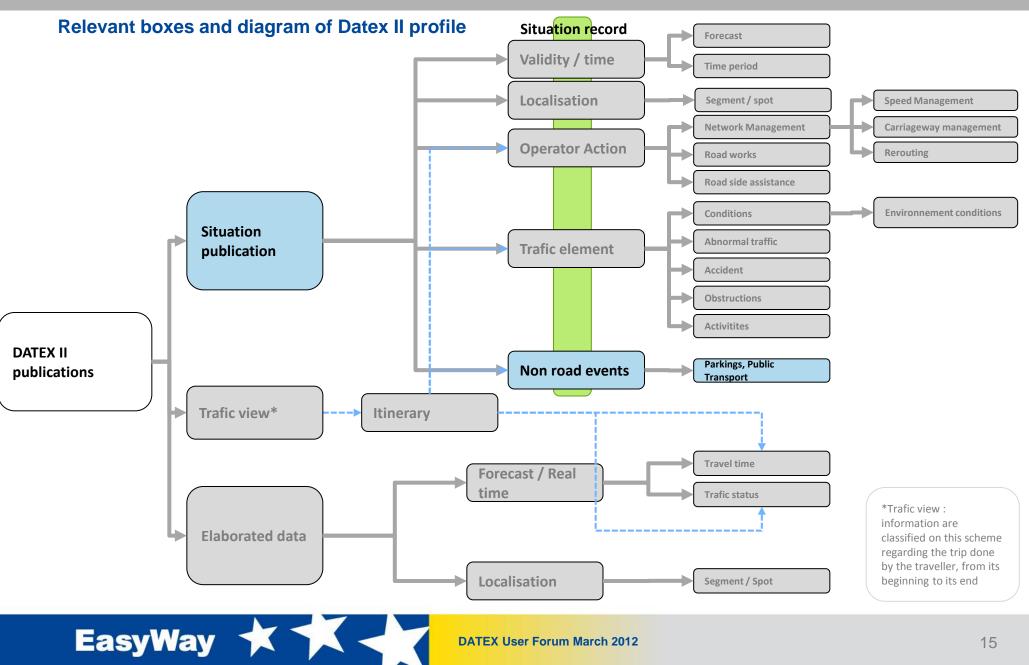
#### **DATEX II > TIS DG 05 Travel time**



#### **DATEX II > TIS DG 06 Weather information**



#### **DATEX II > TIS DG 07 Co-modal information**



## **Exemple of DII Profiles identified within ESG2**

Only for one DG (overtaking ban)





#### HGV overtaking ban is characterized by the following elements:

- Location of the ban
- Length affected by the measure
- Type of vehicle concerned by the ban



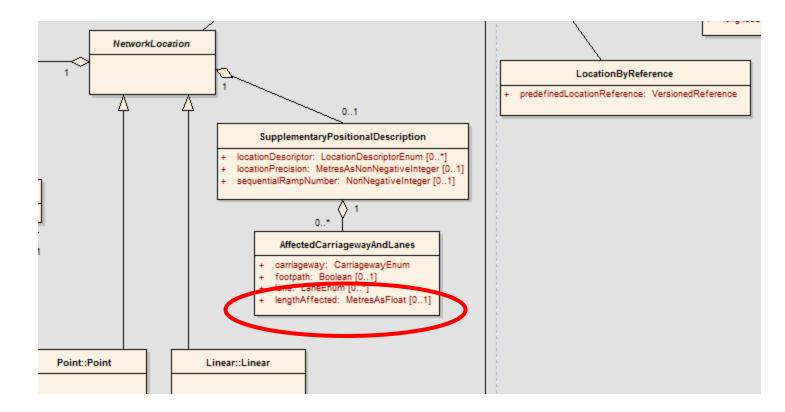
• Location of the ban

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S DATEX II PIM V2.0 RC2 20100107Draft4 - EA <u>Elle Edit View Project Diagram Element Tools Add-Ins Settings Window Help</u> 🗅 🚅 🖬 🖻 🗠 🔂 🖬 🎒 🗐 🥏 🖕 🗛 💽 🖊 link 📲 🗈 🖪 🔛 📓 🖉 💒 🛤 冪 喆 ங ங 🖉 🖓 🚷 🍳 🔍 🔍 🚷 🏛 ダ 🗙 Logical Diagram: "GroupOfLocations" created: 08/06/2005 10:08:40 modified: 07/01/2010 10:57:05 90% 791 x 1134 GroupOfLocations Itinerary NonOrderedLocations ItineraryByReference ItineraryByIndexedLocations NonOrderedLocationGroupByLis NonOrderedLocationGroupByReference predefinedItineraryReference: VersionedReference Alcostion 2. Location ExternalReferencing The order of the locations 0 externalLocationCode: String externalReferencingSystem: in the itinerary are specified by the 'index' qualifier. PointCoordinates +locationForDi latitude: Float longitude: Float 0... Destination NetworkLocation LocationByReference predefinedLocationReference: VersionedReference 0..1 SupplementaryPositionalDescription locationDescriptor: LocationDescriptorEnum (0., locationPrecision: MetresAsNonNegativeInteger sequentialRampNumber: NonNegativeInteger [0 PointDestination 0... AffectedCarriagewayAndLanes carriageway: CarriagewayEnum footpath: Boolean [0..1] lane: LaneEnum [0..\*] lengthAffected: MetresAsFloat [0..1] Point:Point Linear: Linear Areattarea AreaDestination 0.0 Start Page D2LogicalModel PayloadPublication SituationPublication SituationRecord OperatorAction \*NetworkManagement \*GroupOfLocations 4

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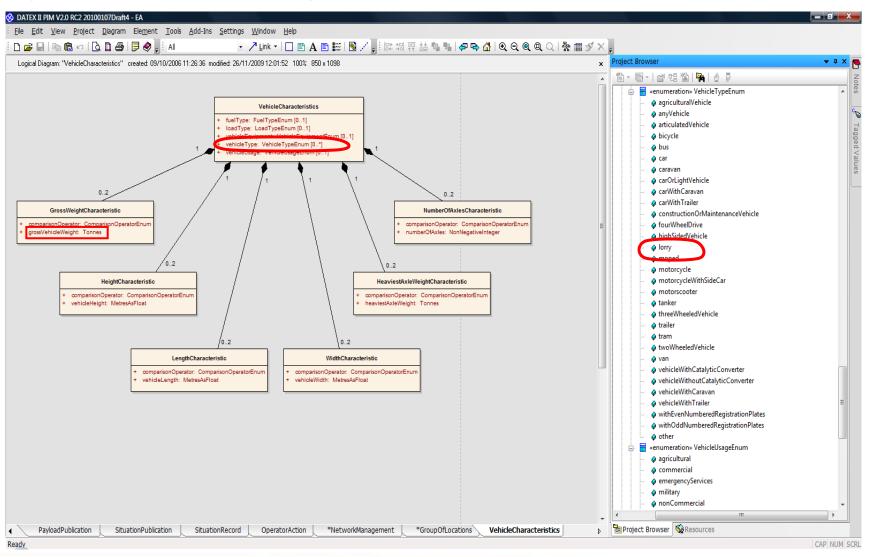
• Lenght affected by the measure





• Type of vehicle affected by the measure

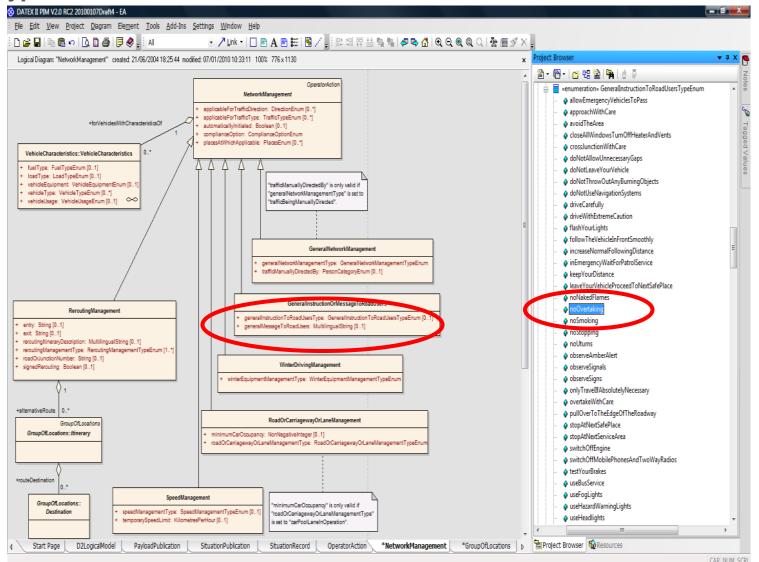
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• Type of measure

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## ESGI and ESG2 work on DII profiles and requirements will ensure:

- a solid dimension in terms of service standardisation and harmonisation,
- the information exchange among traffic managers
- wide dissemination thanks to the facilities for providing standardised Datex II publications to service providers

Additional work still remains for precising how to use of TIS and TMS DII profiles



#### Many thanks for your attention

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