



Stakeholders Workshop
13 December 2021

Challenges of harmonization from MMTIS/MDMS perspectives

Yves AMSLER
UITP

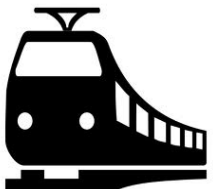




EU LANDSCAPE AS REGARDS PASSENGER PUBLIC TRANSPORT



150 airlines & **204** airports
1,5 billion pax/year



580 RUs (Pax 207 + mix Freight 373) & **30 000** stations
2 billion pax/year long/medium distance + part of 6 billion pax/year local



Train



Metro



multimodality



Bus



Tram

XX 000 PTOs & over **2500** PTAs

YYY 000 local PT stops

50 billion pax/year (30 bus + 10 metro + 10 tram/LRT)
+ part of 6 billion "rail" pax/year
(mostly PSO)





EU PASSENGER TRANSPORT BACKGROUND



(mix of technical, economic and governance issues)

- Multiplicity of different transport modes
- For each mode: multiplicity of territories, customers, actors
- Different governance models
(regulated competition & open/PSO services)
- Multiplicity of different travel services:
 - transport services
 - other “tangible” travel services
 - “intangible” travel services
- Multiplicity of different MMTIS APIs
- Multiplicity of different specifications

⇒ need for
(mandatory and voluntary)
coordination



Key challenge: Clarify conceptual definitions



Transport, travel, mobility, multimodality, digital services, competent authorities, interoperability, passenger and/or freight services, traffic, transit, transfer, modal shift, contracts...

- o Different definitions in different legislations
- o Misunderstanding and different interpretations
- o Terminologies differing from “common language”
- o Translation is also an issue

- ⇒ **Need for reference EC definitions in EC legislation**
 - ⇒ **Need for translations in all EU languages**
- ⇒ **Need for common minimum stable European Profiles**
 - ⇒ **Need for easy and open access to EU standards**
- ⇒ **Need for simplified CEN process to edit and publish documents**



Key challenge: Provide guidance - Transmodel



Transmodel

=

underlying conceptual data reference model for public transport

- (Meta)Data to build services for all land public transport modes (including alternative modes)
- Gaps not covered by Transmodel?

⇒ Need for agreed concepts

⇒ Transmodel can be the reference conceptual PT data model

⇒ Need for a reference glossary/data dictionary in English?
Transmodel data dictionary?



Key challenge: Clarify/Typify (Digital) “mobility domains” and their interfaces

- Passenger transport ⇔ Freight transport
- EU travel ⇔ National travel ⇔ Metropolitan travel ⇔ EU travel
- Commercial services ⇔ Public services
- Dedicated modal infrastructure ⇔ Shared infrastructure (e.g. stations)
- Road: Private vehicles ⇔ Public Transport vehicles ⇔ Pedestrian
- Travel modes ⇔ Travel services
- Sustainable local mobility ⇔ Sustainable use of urban space
- Time dimension: Existing ⇔ Future
- EC legislation: Modal EC legislations ⇔ Transverse EC legislations
- Actors relationship:
Regulators ⇔ TSPs ⇔ Beneficiaries ⇔ Payers ⇔ Regulators
- EC (and EU bodies) ⇔ NAPs, NAPs ⇔ NAPs, NAPs ⇔ LCAs
- CEN ⇔ CEN, CEN ⇔ ISO
- “Platforms” ⇔ “Platforms”, “Platforms” ⇔ CEN (CCMC)



Key challenge:

Agree on principles for coordinated actions on harmonisation



- Sustainable mobility must be given priority
- Digital mobility cannot be an obstacle for non-connected citizens
- Serve consumers and citizens
- Understand and not constrain
- Be empathic and realistic, not dogmatic
- Be flexible and scalable along long lasting shared political agreements
- Allow decisions implementation effectiveness
- Be ambitious (long term) and pragmatic (short term)
- Involve representative “legitimate” stakeholders
- Clarify the relationship EC ↔ NAP ↔ LMA ↔ EC respecting legitimacy of each
- Encourage coordination at “metropolitan” level of “competent” authorities
- Recommend the creation/empowerment of “decentralised” SMAs
- Clarify the relationship local/global: TEN-T (nodes) ↔ SUMP
- Provide adequate financial and human resources and relevant funding (linking decision making and funding responsibilities)



data4pt

Thank you for your attention

<https://data4pt-project.eu/>

yves.amsler@uitp.org

