



Interoperability - Experience of Administration

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Major reform in Finland 2018 – Obligations to open API interfaces

- ▶ Mandating mobility service providers to open **essential data** in computer-readable format. The essential data on transport services is accessed through company APIs or MMTIS NAP.
- ▶ **Ticket and payment system** interfaces to be opened for 3rd party service providers.
 - ▶ Minimum requirement to enable reselling of single tickets. Challenge is that season & serial tickets are usually cheaper.
 - ▶ No regulation regarding 3rd party sales commission
- ▶ Obligation to allow 3rd party service provider to **act on behalf** of traveller using traveller's existing user account (discounts, tier benefit).
- ▶ Fair, Reasonable and Non-Discriminatory (FRAND) terms to integrate API
- ▶ Promoting ticket and payment system interoperability in PSO

If MaaS was a good business, it would've been done already!

- ▶ We are creating a new market and removing barriers with MDMS regulation.
- ▶ What are the primary objectives we are trying to achieve?
 - ▶ Increase share of public transportation and mobility services (instead of using private car)
 - ▶ Make MaaS viable business?
- ▶ Public transportation is strongly subsidised. How to combine commercial transport and PSO in compliance with State aid regulation
 - ▶ Regulation (EC) No 1370/2007 on public passenger transport services by rail and by road
- ▶ What is the added value of MDMS platforms / MaaS operators?
 - ▶ Are passengers willing to pay extra for being able to buy several tickets at once instead of buying them separate?
 - ▶ If no, how to make MDMS attractive and cheaper than price of separate tickets?

How to ensure compliance with local, regional or national sustainable mobility goals?

- ▶ The Finnish national PTA shall monitor the demand for and supply of mobility services and coordinate their development
- ▶ Regardless of business and professional secrets, a transport service provider has the obligation to periodically submit information on the offer of and actual demand for the transport services provided by them to the Finnish Transport Agency – interim and annual reports.
- ▶ Landuse, housing and transport are involved in special LHT-agreements between state and regions. State finances PT infrastructure and operation if landuse and residential construction complies with agreement.
- ▶ Licence terms?

First experiences

- ▶ PTO's need an incentive for interoperability, also outside their own territory. Their primary concern is level of service at their own region.
- ▶ Before opening ticketing API's the transport operators had to renew their ticketing system from card/ticket based to Account-Based Ticketing.
- ▶ Detailed regulation anchors technology and processes. There must be room for innovation and development.
- ▶ The technical side is left for the market players to define in a more detailed fashion, it needs to be clear what data should be shared.
- ▶ Still some practical standards are needed to avoid increasing API-integration costs

First experiences (cont.)

- ▶ MDMS business model and commercial agreements need a lot of attention. There is uncertainties around data protection, liability, passenger rights issues. Technical questions are not that big of an issue.
- ▶ Free digitalization tools for smaller players, some financial support for the bigger ones
- ▶ NAP work and authority surveillance still in progress, but the MMTIS NAP service has a good coverage of transport and other mobility services. Even the smaller operators have published their data (tools).
- ▶ Opening ticketing API's has been slower than expected and has required great effort from authority

Ideas for the EU

- ▶ Mandating availability of essential data through NAP's (MMTIS, trip planning)
 - ▶ Aggregated data in NAP's is needed. Catalogue of API's is not enough
- ▶ Interoperability of ticketing and payment systems
 - ▶ Mandating to open ticketing API
 - ▶ Account Based Ticketing
 - ▶ Personal discounts & tier benefit can be benefitted with eID and digital wallet
- ▶ FRAND terms when integrating API



Thank You!