

Belgian MaaS alliance

Sharing experiences with the ticketing and payment API's of SNCB

December 2018



A word about our multimodal strategy...



**SNCB as
Data/Services provider**



Enabler for development
of alternative mobility
propositions by the
market

**SNCB as
One-Stop-Shop for multimodality**



Industry leader as
Mobility Integrator
door to door

SNCB as Data/Services provider

> About our Open Data



**1. Current Open Data implementation** [Today]

- Planned & Real Time, GTFS based, free, requires signature of contract (b.o. to contact them in case of IT failure or change in the Flux)
- More than 1150 requests, 193 contracts signed (19/11/2018)

2. About the UE 2017 1926 COMMISSION DELEGATED REGULATION [Target: End 2019]

- Requirements from Europe + from Belgian Steerco (see slides notes for details)
- Implies a conversion of GTFS to NeTeX CEN/TS 16614 & SIRI CEN/TS 15531 format
- 3 categories of data to be shared (with 3 target dates) => goes beyond timetables & realtime
- Data should be published on a National Access Point (NAP)
- Data should be audited regarding quality

3. Ongoing project for Open Source Multimodal Routeplanner [Target: Q2 2019]

- As part of Smartmobility Call, with NextMoov, De Lijn, Tec, STIB
- Goal is to give it back to the community in Open Source + Open Data Layer (combined GTFS)

SNCB as Data/Services provider

> About our Sales API



**About our Sales API** [\[available Today\]](#)

- Ticket delivery : QR Code ticket on smartphone
- Instant Buy through API

- Use of API requires the signature of a contract with SNCB
 - Several signed today
 - Doorstep of 15k to pay by MSP in advance
 - Product range adapted for each segment : Tickets only + 1 pass : (Standard, Weekend, Senior, Go pass 1, famille nombreuse, Railpass, Raillease, Diabolo Stand Alone)
 - MSP may not change price of tickets
 - No commission on ticket sales by MaaS players, unless value-creating



App MSP

Get Token

- Valid 30'
- Based on SSL certificat, user and pwd

Get Stations

Get product

- List of valid/non valid products with price
- Based on contract and traveldata (O/D, class, date, type, ...)

Buy Ticket

- Purchase of ticket with invoice
- Based on traveller data (name, date of birth, email, sex, language, reference)

Back-end NMBS

**Testing** [\[available Today\]](#)

- UAT environment for testing purposes
 - Same master data as in PROD
 - If new version of API: 6 months to implement

Support [\[available Today\]](#)

- Support to implement the API solution
- Supportcenter IT
 - 24/7 for critical issues (through mail and phone)
 - Only for your helpdesk, not end-users
 - Best effort, no SLA