Report of MaaS-API working group

20/1/2021, session #40
10:00h-11:00h, Teleconference

Attended by (17)
Bon Bakermans (Ministry of IenW)
Christiaan Rakowski (XXIMO)
Christian Erikstrup (Trapeze Group)
Eddy Borremans (Nazza)
Edwin van der Belt (DAT Mobility)
Eric Verbeek (Arriva)
Gadi Lenz (UMI)
Kushagra Sharma (Radiuz)
Laurent Chevereau (Cerema)
Marijn Roverts (PON)
Peter van Brakel (9292)
Ruud Mollema (Ministry of IenW)
Sonila Metushi (KNV/MaaSLab)
Stephan Röösli (SBB/Digital Infrastructure for Mobility)
Stefan Bollars (Innovactory)
Thijs Vos (NS)
Tjalle Groen (Taxistop)

Summary of decision points & feedback from actions from previous working session
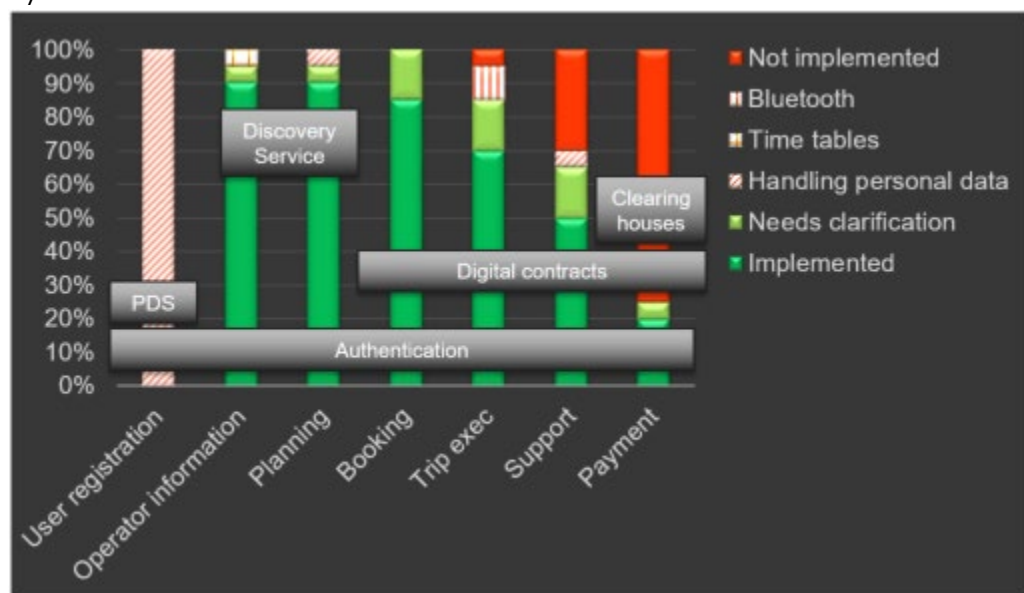The following tasks were defined during the previous sessions:

No.	Context	Task	Status	Due date
40.1	Next step for TOMP organizational structure	**Bon** prepares one pager for discussion	To do	3-2-2021

1. **Approval of report of previous working session**
   The report of the previous working session (#39) was reviewed during this session and has been approved. It will be added to GitHub.

2. **TOMP reflection by Edwin**

- The goal of the TOMP working group has been "to create a standardized language for the technical communication between Transport Operators and MaaS Providers within the MaaS ecosystem by means of an API". The working group agrees that this goal has more or less reached.
- At the moment on average only one issue a month is listed and not much feedback is given to improve the API.
- The modules for Operator Information, Planning and Booking are mature and it is expected that no much changes are needed in the future. Some modules need attention, based on upcoming implementations.
- The API seems to be suitable for all modalities, also for Public Transport. Integrations for SBB and RiVier (PT in Netherlands) are ongoing or planned. TOMP can be integrated for a MaaS trip with pay-as-you-go. Challenging for PT are the wide range of fare structures. Also for the cross-border Limburg pilot PT is incorporated with a dynamic bar code ticket.

- Edwin presents three possible paths or goals for the future:
  1. To *maintain* the standardized language for the technical communication between Transport Operators and MaaS Providers within the MaaS ecosystem by means of an API
  2. To *facilitate the operation* of the standardized language for the technical communication between Transport Operators and MaaS Providers within the MaaS ecosystem by means of an API
  3. To *create* a complete technical architecture for a MaaS ecosystem, allowing Transport Operators/MaaS Providers and other participants to work together to provide mobility to end users using *APIs and technical specifications*.
- The meeting concludes that in the coming weeks the scope of the TOMP working group needs to be redefined.

3. **WT1 Technical issues**
- Only one issue listed.

4. **WT2 Reference implementation and certification**

- Roeland Oosterloo (Travel Electric) joined the working team.
- API Extensions/Updates:
  - Paging - Done
  - Investigate TOMP incorporation of deeplink API - Ongoing
  - Digital contracts - Next up
  - GBFS connection - Next up
  - Validate existing and new scenarios - Ongoing
- Seeking for overlap and cooperation with OSDM (Open Sales and Distribution Model) and UMOS
- Working on a list of known implementations of TOMP. Additions can be sent to WT2.

5. **WT3 Standards**
- Bon and Ruud have been looking for ways to move forward with the organizational structure of the TOMP WG. A few meetings ago Ross proposed to also incorporate other MaaS standards in the structure, such as CDSM and the API for the learning environment.
- For standards in other domains, such as standards Intelligent Traffic Lights and Parking a structure with a Strategic Committee and a Change Advisory Board is successfully implemented by the Ministry in cooperation with private stakeholders
- The Strategic Committee consists of public and private members that are appointed by the Minister. Formal decision making is done by the Committee and they release new (versions) of standards.
- The Change Advisory Board is open for everyone (link this WG) and advices the Strategic Committee.
- The working group agrees that this could be a way to move forward. Bon prepares a one-pager with this proposal, to be discussed in the next meeting (**40.1**)

6. **WT4 Dissemination and communication**
- Upcoming participations: Dutch MaaS congres and ITS world congress

7. **Any Other Business**
- Open Bike II will continue as Open Wheels. The model partner agreement will be made useable for more modalities and some topics need further elaboration. The link with this working group is important, especially related to digital or smart contracts.
- Sonila will give a short update on the progress of the Afsprakenstelsel in the next meeting.

Next online meeting (working session #41) will be on Wednesday 3-2-2021, 10:00h