

Report of MaaS-API working group

*01/04/2020, session #22
10:00-12:00, Teleconference*

Attended by (19):

Ross Curzon-Butler (Cargoroo)
Bon Bakermans (Ministry of Infrastructure and Water Management)
Gadi Lenz (Urban Mobility Innovations)
Roberto Reyes Garcia (UTwente)
Rens Wagenbuur (Translink)
Eddy Borremans (Nazza)
Kushagra Sharma (Radiuz)
Steven Haveman (UTwente)
Edwin van den Belt (DAT Mobility)
Jef Heyse (Radiuz)
Sonila Metushi (KNV)
Robert Baart (Paxx)
Stefan Bollars (Innofactory)
Adrien Debono (Cityway)
Tjalle Groen (Taxistop)
Marijn Rovers (PON)
Perry Kruin (Emotion)
Stephan Rösli (SBB/Digital Infrastructure for Mobility)
Mark Cartwright (CEN)

1. Summary of decision points & feedback from actions from previous working session

The following tasks were defined during the previous sessions:

<i>No.</i>	<i>Context</i>	<i>Task</i>	<i>Status</i>	<i>Due date</i>
14.2	New parties and companies need an easy way to be updated on the TOMP-API	(update 1-04-2020): <u>Kushagra</u> to share the link of the website. <u>Other</u> to give feedback.	In progress	15-04-2020

19.1	Identity management	<u>Stefan</u> and <u>Ross</u> will start working on an one paper regarding identity management for future versions. Update (18-03-20): <u>Stefan</u> will update the sequence on Slack	In progress	18-03-2020
20.1	Future governance of the working group	Update (1-04-20): <u>Roberto</u> to propose a governance structure of different working groups. <u>Bon</u> to elaborate on the existing proposal and to find connection with MaaS forum.	To do	15-04-2020
21.3	Overview of related standards and working groups	<u>Ross</u> will set up a Slack channel to identify the other initiatives.	Done	1-04-20
21.4	We need to make sure that interested companies or new people know how to participate in the TOMP-WG.	<u>Bon</u> will start with a FAQ on the WIKI. Update (1-04-20): <u>Others</u> to review the FAQ .	To do	15-04-20
22.1	Follow up on the presentation of CEN.	<u>Bon</u> to contact NEN for next meetings of CEN WG 278.	To do	15-04-20
22.2	Reference implementation to speed up process of TOMP	<u>Eddy</u> and <u>Edwin</u> to share their progress in Slack and other channels.	To do	29-04-20

2. Approval of report of previous working session

The report of the previous working session (#21) was reviewed during this session and have been approved. It will be added to Github.

3. CEN technical committee 278

- Mark Cartwright of CEN was invited to give a presentation on technical committee 278 (intelligent transport systems) and the work of CEN on MaaS.
- At the moment there is no coordinated framework for MaaS within CEN. Also there is no specific product on MaaS in development, however working group 17, of TC 278 is following the MaaS initiatives. On the contrary, the European Commission is financially supporting several MaaS projects and there should also be room at CEN in the future. Existing standards of CEN, such as NeTEx, can also be used for MaaS.
- There are three ways for working groups to develop, submit and maintain standards:
 - Self-generated products (voluntary and often slow process)
 - Absorption of external products (dependent on third parties)
 - Funded project teams (robust and independent)
- Mark presented some opportunities and questions to the group. The WG has to realize that Europe is large, and that we do not pay too much attention to CEN or European

Standardization; make sure TOMP is widely used first. Next meeting we will have a further discussion on this topic (22.1).

- For questions or suggestion regarding NeTEx (WG3) we should address Emmanuel de Verdalle.
- Representatives of the TOMP WG are invited to present and discuss TOMP at the WG17 meeting. The presentation of Mark can be found at the [Github](#).

4. Versioning

- Robert Baart presented a proposal on internal and external versioning.
- Internally (for developers) semantic versioning will be used. V1.x should only become available when a stable version is created. The working group agreed that for a stable version a working implementation is needed. Therefore, the TOMP API now continues with v0.3.
- Externally (for marketing) version with names will be used.

5. Reference implementations

- The ACCEPT institute does not make a full reference implementation and focuses on international ticketing and payment. They do use the TOMP specification for that.
- However, a reference implementation is needed to speed up the process of implementing TOMP.
- Both Edwin and Eddy will work on a reference implementation. There needs to be alignment for this reference to avoid dialects or miscommunication (22.2). To be further discussed in Slack and the next meeting.

6. Any other business

- The first session (25 March) of the City Data Specification was successful. The next session will be held on 8 April.
- Kushagra showed a demo website for the enrollment of new members of TOMP. He will share the link, so people can give feedback (14.2)
- Next meeting will be on 15 April via teleconference. Topics are proposal of working groups for future governance (Roberto) and issue on Bluetooth devices (Edwin).