MaaS
Mobility as a Service

Report of MaaS-API working group

5/2/2019, session #18
10:00-12:00, CROW, Jaarbeursplein 22, Utrecht

Attended by (16+9):
Roberto Reyes Garcia (UTwente)
Bon Bakermans (Ministry of Infrastructure and Water Management
Kushagra Sharma (Radiuz)
Edwin van den Belt (DAT Mobility)
Sonila Metushi (KNV)
Ross Curzon-Butler (Cargoroo)
Jef Heyse (Radiuz)
Stefan Bollars (Innovactory)
Gemma Schepers (City of Amsterdam)
Thijs (City of Amsterdam)
Eddy Borremans (Nazza)
Marco Kartman (Translink)
Robbert Baart (Paxx)
Perry Kruin (Emotion)
Peter van Brakel (9292)
Pim van der Toolen (InTraffic)
Ruslan Gainutdinov (MaaS Global) – *via teleconference*
Brylie Oxley (MaaS Global) – *via teleconference*
Jyrki Petsalo (MaaS Global) – *via teleconference*
Markus Schepke (MaaS Global) – *via teleconference*
Stephan Röösli (SBB) – *via teleconference*
Bojan Jukic (GoUrban) – *via teleconference*
Lauri Nurmela (MaaS Global) – *via teleconference*
Tjalle Groen (Taxistop) – *via teleconference*
Gadi Lenz (Urban Mobility Innovations) – *via teleconference*

1. **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

14.1	Different scenarios for payments were discussed	To be discussed by **all** in the Payment subgroup in Slack. User stories will be created and derived from that discussion.	In progress	05-02-2020
14.2	New parties and companies need an easy way to be updated on the TOMP-API	**Kushagra** will create an onboarding form on github. The mailing list will be updated accordingly. **Ross/Kushagra** to discuss how the page should be accessed.	In progress	19-02-2020
16.3	For vehicle characteristics the Netex standards are used as categories (eg bike). More specific subcategories can also be defined (eg female or cargo bike). Should those be predefined or standardized?	For **all** to discuss. Bon to create thread/channel in Slack for the discussion **Update (22-01-20)**: **Edwin** updated the tables. To be reviewed by the group in Slack **Update (5-02-20)**: **Sonila** contacts CEN to give input for the Netex standards.	In progress	19-02-2020
16.5	Update of API v1.1	**Vincent** to update TOMP API v1.1 in Swaggerhub	To do	30-01-2020
16.6	TOs and MPs need a (virtual) MP/TO to test the TOMP API	**Ruud** to discuss the issue at a meeting with MPs at Accept Institute. **Update (10-02-20)**: **Edwin** to also get involved in the discussion with Ruud and Accept	To do	19-02-2020
17.1	Governance proposal	**Ross and Bon** to upload latest version of the proposal to Slack for the review of the group.	In progress	19-02-20
17.3	Funding of the TSC developments	**Gemma and Ross** to work in a proposal for the application for funds from the Ministry of I&W	In progress	19-02-2020
17.4	Communication and dissemination of the WG activities and outcomes	**Roberto** to create Slack channel in Slack	Done	05-02-2020
17.6	Payment scenarios for the TOMP API	**Roberto** to review the payment process flow and share update with the group in Slack for input and review	Done	
18.1	MaaS Global develops software to estimate CO_2 emissions of MaaS trips: Sustainable Mobility API	**All** to give input and suggestions	To do	

18.2	Development of standard for eHubs project in the coming months	**All** to give a technical check and to find collaboration with the TOMP-API.	To do	01-04-2020
18.3	Types of authentication for the TOMP-API	**Jef** to contact the Amsterdam internet exchange for more experience with Oauth authentication **Ruslan** to share his experience with JWT tokens.	To do	19-02-2020

2. **Approval of report of previous working session**
   The report of the previous working session (#17) was reviewed during this session and has been approved. It will be added to Github.

3. **Walkthrough list of current pull requests & issues**
   - No current pull requests
   - Open issues were discussed and updated

4. **Sustainable Mobility API**
   - Brylie shows a Github demo of the sustainable mobility API, which is an open-source software to estimate CO_2 emissions for transportation trips.
   - The software could be useful for MaaS Providers and CO_2 emissions is also part of the learning environment. It does not have to be part of the TOMP-API at this moment.
   - Suggestions and improvements are welcome at Github. (**18.1**)

5. **Data sharing for municipalities**
   - Gemma of the city of Amsterdam presents the eHubs project in which different cities try to enhance smart shared green mobility hubs. They develop a standard to receive twelve data items. It is a parallel project to the learning environment of the ministry.
   - The working group is prepared to help with this standard, but the priority is now on v1.2 of the TOMP-API. (**18.2**)

6. **Authentication**
   - Edwin shares his ideas regarding authentication. Authentication is about trusting the other parties, and necessary, because there are financial agreements.
   - There are different suitable types of authentication; username and password, token, certificates and Oauth.
   - It is important that we implement the authentication part quickly. At this moment Qwic and Turnn try to use a token. The Amsterdam internet exchange uses Oauth. Jef will contact them for an explanation (**18.3**). Ruslan shares his experience with JWT tokens (**18.3**).

7. **Determine tasks for next meeting**
   - The next meeting will be only about authentication and payments.

8. **Any other business**

- The vote in Slack showed that we will use TOMP (and <u>not</u> TO-MP) in our communication.
- Stephan Röösli and Matthias Meyer visit the Netherlands at 18 and 19 February. They will join the TOMP-API meeting and a separate meeting will be organized at **18 February, 10.00h – 12.00h in WTC Utrecht.** Everybody is invited to join the meeting to discuss the MaaS pilots, the SBB's MaaS platform and the integration of the TOMP-API.