



Report of MaaS-API working group

13/11/2019, session #13
10:00-12:00, CROW, Jaarbeursplein 22, Utrecht

Attended by (19):

Edoardo Felici (Ministry of IenW)
Bon Bakermans (Ministry of IenW)
John Peter Veldkamp (Ximedes)
Kushagra Sharma (Radiuz)
Robert Baart (Paxx)
Marijn Rovers (PON)
Martijn van der Linden (Mobiliteitsfabriek)
Ross Curzon-Butler (Cargoroo)
Jetske Jonker (Cargoroo)
Pim van der Toolen (Intraffic)
Edwin van den Belt (DAT Mobility)
Roel Testroote (Accept Institute)
Stefan Bollars (Innovactory)
Brylie Oxley (MaaS Global) – *via teleconference*
Tjalle Groen (Taxistop) – *via teleconference*
Gadi Lenz (Urban Mobility Innovations) – *via teleconference*
Olaf Bender (Urban Mobility Innovations) – *via teleconference*
Eddy Borremans (Nazza) – *via teleconference*
Roberto Reyes Garcia (UTwente) – *via teleconference*

- 1. Summary of decision points & feedback from actions from previous working session**
All points from the Report of session #11 have been approved by the attendees.

The following tasks were defined during the previous sessions:

No.	Context	Task	Status
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3.2	Ross brought up GDPR issues related to fraudulent customers. The obligation to remove end user data might allow misuse, as customers can sign up again without blacklisting. Stefan mentioned that GDPR does allow exceptions to prevent fraud, but this asks for a central organization to keep track of the blacklist on behalf of MSPs/TOs.	Edoardo will refer this issue to the End user data working group to address	To-do when dealing with registration
8.2	Define webhook schemas. See issue #12	Edwin and Ross will work on a webhook proposal	Work-in-progress
11.1	New API version 1.1 means the test server can be updated as well	Edoardo has asked Accept Institute to update the testing environment to v1.1	To-do, ready by next session
11.2	Learn from previous experiences in ETC from Accept to avoid duplicating effort in payment module and learn about international standardization possibilities	Edoardo has asked Roel and Vincent from Accept to join the meetings	Done
12.1	Discussion on payment necessity and high-level requirements for TOMP.	Edoardo will put together a two-pager with these considerations based on the discussion	Done, see github issue #69
12.2	Discussion on licensing requirements	Edoardo suggested to contact Brylie Oxley to have some input from him.	Done, presented by Brylie in session #13
12.3	Discussion on licensing requirements	Edoardo suggested to work towards another two-pager to include these principles, to start the discussion.	To-do
12.4	TOs can deliver a chance of availability in operator information. This should be	Edoardo will contact NS to see if their chance of	Done, waiting for reply

	standardized in form and function as much as possible.	availability can be used in TOMP-API specs (12.4).	
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2. Approval of report of previous working session

The report of the previous working session has been approved without comments and will be added to Github.

3. Walkthrough list of current pull requests & issues

Using <https://github.com/efel85/TOMP-API/>

Issues discussed during the meeting:

- Roel Testroote presented the scope and work of the European Travellers Club project, offering international interoperability for ticketing and payment for MaaS. It works on top of existing e-ticketing schemes and business rules, by adding a side-token on the respective cards or ticket stacks. An 'interop' system communicates between national systems and issues unique mobility numbers to users in the respective countries. Upgraded terminal software is required to accept the side-tokens.

The main take-away relevant for the TOMP-API are:

- Evolution towards account-based travelling is good
 - Creation of an ETC advisory council is good, as this enables international cooperation.
 - Issuing tickets through TOMP-API becomes first priority
 - Enabling payment exchange between TOs and MSPs is second priority.
- Brainstorm on possible payment states was postponed to a next session.
- With regards to licensing, Brylie Oxley prepared a short presentation to guide us through the options. A number of different licensing opportunities are available to support the creation of the TOMP-API with the necessary protections. Two possible licenses for the API were discussed, the group should look into the EU Public License and Apache 2.0. The site Hdrlegal.com offers a good overview of possible licenses and their scope.
- Stefan brought forward an issue regarding the complexity of having different Terms & Conditions for each TO-MSP relation. It would be worth an effort to harmonize this. Edoardo suggests he will relay this to the Ministry, to create a

separate work process to tackle this, as it is not directly in the scope of the TOMP-API.

4. Determine tasks for next meeting

- See numbered tasks above and contribute to issues on Github.
- John Peter Veldkamp has offered to present about his experience in payment ecosystems in the next meeting.

5. Any other business

- Edoardo announced his departure from the Ministry of Infrastructure and Water Management starting Dec 1st, moving to Brussels to work for the European Commission. He will hand over the role of chairperson of the TOMP-API working group, this will be announced shortly.
- Cycling Industries Europe have invited to present the TOMP-API work at an event in Antwerp on Dec 2nd. Ross Curzon-Butler has offered to make himself available for this meeting.