



## **Report of MaaS-API working group**

*27/11/2019, session #14  
10:00-12:00, CROW, Jaarbeursplein 22, Utrecht*

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### *Attended by (10+1):*

Bon Bakermans (Ministry of IenW)  
Jef Heyse (Radiuz)  
Kushagra Sharma (Radiuz)  
Ross Curzon-Butler (Cargoroo)  
Edwin van den Belt (DAT Mobility)  
Stefan Bollars (Innovactory)  
Roberto Reyes Garcia (UTwente)  
Steven Haveman (UTwente)  
Arjan Vaandrager (KNV)  
Sonila Metushi (KNV)  
Tjalle Groen (Taxistop) – *via teleconference*

### **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>
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.	Bon 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 <a href="#">issue #12</a>	Edwin and Ross will work on a webhook proposal.	Done – on issue list
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	Done – v1.1 already available
12.3	Discussion on licensing requirements	Edoardo suggested to work towards another two-pager to include these principles, to start the discussion.	Done – Presentation given by Brylie (MaaS Global) on licensing options
12.4	TOs can deliver a chance of availability in operator information. This should be standardized in form and function as much as possible.	Edoardo will contact NS to see if their chance of availability can be used in TOMP-API specs (12.4).	Done, waiting for reply
14.1	Different scenarios for payments were discussed	This will be discussed in the Payment subgroup in Slack. User stories will be created and derived from that discussion.	In progress
14.2	New parties and companies need an easy way to be updated on the TOMP-API	Kushagra will create an onboarding form at the github. The mailing list will be updated accordingly	To do
14.3	TOMP-API working group needs standard presentation slides	Ross will present at Cycling Industries Europe and shares his presentation	Done
14.4	Case SwiftFare: there are some case were a longer pending time of booking is needed (carpooling, TO-platform).	Will be discussed in a smaller group with Edwin van den Belt, Roberto Reyes Garcia and Tjalle Groen	Done – in pull request
14.5	Adopt Netex standards for transport types	<del>Roberto will import the data from Netex to the Blueprint</del> Edwin adapted transport types in TO-MP	Done – in pull request

		API based on Netex standards	
14.6	Start discussion groups in Slack. Various subgroups for discussion on specific subjects have been created	Ross initiated the Slack group	Done

### 1. 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.

### 2. Rotating chair

- Edoardo Felici is moving to Brussels to work for the European Commission, he handed over the role of chairperson of the TOMP-API working group. Bon Bakermans will continue from the Ministry as the linking pin with the Dutch MaaS-pilots and strategy. He will also facilitate the working group with the distribution of reports and agendas.
- The working group agreed that the role of the chairperson will be rotating on a voluntary basis. The following chairs are scheduled:
  - Session #15 to #19: Roberto Reyes Garcia
  - Session #20 to #24: Ross Curzon-Butler
  - Session #25 to #29: Edwin van den Belt
- The following months will be focused on trials, we have to show the proof of the pudding. More parties should be linked to the working group.

### 3. Walkthrough list of current pull requests & issues

Using <https://github.com/maas-nl/TOMP-API/issues>

Issues discussed during the meeting:

- Small issue about formulation of passenger names. Will be updated in version 1.2. (issue #71)
- SwiftFare, a start-up based in Sydney, have been very proactive at implementing the TOMP-API. It is a platform of TOs and they mentioned that such a layer is not present at the TOMP-API. The pending time (of booking assets) has to be longer, this is also the case with for example carpooling. A smaller group, consisting of Edwin van den Belt, Roberto Reyes Garcia and Tjalle Groen will discuss this issue (issue #72) (14.4).
- Concerning Transport types (issue #42), we decide to adopt Netex standards, because these are also adopted on EU level. The description of transport types

should be included in the TO-MP specification. Roberto will import the data from Netex to the Blueprint (14.5).

#### **4. Payments**

- The Blueprint mentions three payments methods: pay as you go, subscription and special payments.
- The TOMP-API has to provide the capability to send the payment message. A TO doesn't want to ask the MSP for payments every single trip due to handling costs. A MSP wants to know how much he has to pay the TO for a certain period of time, and vice versa. Next to that, a single trip may have multiple invoices, for example, if one travels with Eurostar and Thalys.
- The following issues were defined concerning payments:
  - Include real time information of estimated costs during trip execution, for example for free floating assets
  - Define scenarios for payments for TOs and MSPs, including fines or cancelling costs (14.1).
  - Provide multiple currencies and VATs (14.1).
  - Find solutions for handling discounts or price offers (14.1).

#### **5. Determine tasks for next meeting**

- See numbered tasks above and contribute to issues on Github.

#### **6. Any other business**

- KNV is actively involved in MaaS developments and they are searching for synergies with the TOMP-API. They will give a short presentation in the next meeting.
- Ross brought up point of the governance/management (and dissemination) of the works of the TO-MP API group. Creation of committees or a (small) foundation could be a way for the future structure/organization of the group. Further discussion to be held in the coming meetings.
- Stefan raised awareness of the fact that the success of the TO-MP API can only be guaranteed if it actually works. He urged the group to proof its functionality before governments/cities continue to require other parties to implement it. How can the TO-MP API support data sharing with municipalities is something to be further discussed in the coming sessions.
- Ross will upload some basis presentation slides on the TOMP-API for promoting and presenting the developments of the working group (14.3).
- Kushagra is willing to create a general form based on Github for onboarding of new members (14.2).
- Ross will create a new discussion group in Slack (14.5).

- Next meeting is planned on December 11 (10:00 – 12:00).

UPDATE (from session #15 review):

- In current (new) Github repository only Edwin can assign tasks. Everyone should have the possibility to do it. Enabling this functionality will be investigated.
- In March next year, the MaaS Congres 2020 will take place in Amsterdam. Would be nice to have someone from the group presenting the work of the group there.