

## Report of MaaS-API working group

*15/04/2020, session #23  
10:00-12:00, Teleconference*

---

*Attended by (23 + 2 (skype) guests):*

A. van der Veen (overmorgen)  
Adrien Debono (Cityway)  
Cbrafine  
Christiaan Rakiwski (XXImo)  
Eddy Borremans (Nazza)  
Edwin van den Belt (DAT Mobility)  
Gadi Lenz (Urban Mobility Innovations)  
Jef Heyse (Radiuz)  
Mitchel Smedts (Roolit)  
Peter van Brakel (g292)  
Pim van der Toolen (TURNN)  
Remco Panne (Sneleentaxi)  
Rens Wagenbuur (Translink)  
Robert Baart (Paxx)  
Roberto Reyes Garcia (University of Twente)  
Ross Curzon-Butler (Cargoroo)  
Sonila Metushi (KNV)  
Stefan Bollars (Innofactory)  
Stephan Rösli (SBB/Digital Infrastructure for Mobility)  
Steven Pauwels (Roolit)  
Tjalle Groen (Taxistop)  
Vincent Mastenbroek (ACCEPT Institute)  
Wouter Priem (ACCEPT Institute)

## **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
14.2	New parties and companies need an easy	(update 1-04-2020): <b>Kushagra</b> to share the link of the website. <b>Other</b> to give feedback.	In progress	15-04-2020

	way to be updated on the TOMP-API			
19.1	Identity management	<p><b>Stefan</b> and <b>Ross</b> will start working on an one paper regarding identity management for future versions.</p> <p><b>Update (18-03-20):</b> <b>Stefan</b> will update the sequence on Slack</p>	In progress	18-03-2020
20.1	Future governance of the working group	<p><b>Update (1-04-20):</b> <b>Roberto</b> to propose a governance structure of different working teams. (See 23.3)</p> <p><b>Bon</b> to elaborate on the existing proposal and to find connection with MaaS forum.</p>	In progress	29-04-2020
21.4	We need to make sure that interested companies or new people know how to participate in the TOMP-WG.	<p><b>Bon</b> will start with a FAQ on the WIKI.</p> <p><b>Update (1-04-20):</b> <b>Others</b> to review the <a href="#">FAQ</a>.</p>	Done	15-04-20
22.1	Follow up on the presentation of CEN.	<p><b>Update (15-04-20):</b> <b>Sonila</b> to follow up on collaboration with CEN WG 17</p> <p><b>Bon</b> to contact NEN for next meetings of CEN WG 278.</p>	In progress	15-04-20
22.2	Reference implementation to speed up process of TOMP	<b>Eddy</b> and <b>Edwin</b> to share their progress in Slack and other channels.	In progress	29-04-20
23.1	Support module functions in TOMP API	<b>Ross</b> to set up and share draft document in slack with high level categorization and recommendations at low level	To do	22-04-20
23.2	In TOMP API, Kebab casing will be used for properties and URLs and Camel casing for JSON objects	<b>Edwin</b> to update in Github accordingly	To do	03-06-20
23.3	New pull request by Edwin (0.4.0)	<b>Roberto</b> and <b>Pim</b> to make review before/as approval	To do	20-04-20
23.4	New proposal for Working Teams within the WG	<b>Roberto</b> to share presentation in Slack and ask members to vote for the relevance of subjects and the team they would like to be involved	To do	22-04-20
23.5	Follow up on	<b>Tjalle</b> and <b>Sonila</b> to follow progress of the project and put pressure on getting an answer on a possible collaboration between groups	To do	29-04-20

### 1. Approval of report of previous working session

The report of the previous working session (#22) was reviewed during this session and have been approved. It will be added to Github. A list of updates below:

- **14.2 – Website:** In progress, expectation is to have new update ready by the middle of next week
- **19.1 – Identity management:** Stefan to share presentation one it has been reviewed by his team
- **20.1 – Governance:** Uncertainty (specially from the Ministry) about forming a foundation with regards to raising funds. Discussions ongoing
- **21.4 – FAQ:** Open for editing in Github, looking good so far. Everyone invited to contribute
- **22.2 – Reference implementation:** Cargooro currently implemented (TO side)
  - Reference implementation for MP-side available in Github
  - Nazza: 3-man team working full time on implementation. Feedback expected soon in Slack.

### 2. Presentation and demo by Vincent Mastenbroek & Wouter Priem from ACCEPT Institute

- Ministry asked for a demo for the Limburg pilot which implements the functionalities of both the MaaS NL router infrastructure set by the Ministry and the TOMP API
  - Implementation focused on booking and trip execution, not payment
  - This implementation is just a suggestion not a mandatory reference
  - The TOMP API was adjusted to fulfill the needs of the demo implemented
  - Demo consist of a mock implementation of a 5-leg booking from NL to DE
    - In this implementation the user is in direct contact with the TO (instead of the MP) which in turn connects to the MP
- The TOMP-WG finds the work done by ACCEPT impressive, relevant and aligned with expectations of a reference implementation
  - Documents to be shared when last version is finished and approved by the Ministry
- Downsides of using a central router approach need to be further discussed
  - Single point of failure
  - Centralized data

### 3. Functional Issues/ discussion:

- Support module - What needs to be supported?
  - Trouble tracking and ticketing system (?)
  - Communication and messaging
    - MP <-> TO
    - User <-> TO too?
  - Start with categorizing issues and define action by the support module ← Roos to start document for high level categorization and recommendations at low level, to be shared in Slack/Github (**23.1**)
- TOMP-API standard
  - Review and answer to the questions posted by CEN in previous meeting ← To be discussed in next meeting

- Kebab-casing vs Camel-casing
  - Agreement is to use Kebab casing for URLs and Camel casing for JSON objects
    - i. Edwin to start updates in Github (23.2)

4. **Technical Issues:** Walkthrough list of current pull requests & open issues

- Pull request on minor (0.4.0) ← Roberto and Pim to review (23.3)
- How to cope with Bluetooth devices (scanning & open/close) ← for next meeting
- ETA (notifications?) ← now in pull request 0.4

5. Any other business

- TOMP API internal version is confirmed to be v.03, Github has been updated accordingly.
- Proposal for working teams structure (by Roberto)
  - Feedback from the group:
    - The structure fits with the original governance proposal with TSC and PMC
    - The most relevant subjects to work in and specific goals need to be clarified to avoid people getting confused on what to do
      - i. Roberto to share presentation in Slack and ask members to vote for the relevance of subjects and the for team they would like to be involved with (23.4)
        - Deadline Wednesday 22-04 (23:59h)
- UITP – Data4PT
  - New EU project doing similar MaaS-standard-related stuff ← Tjalle to follow up and provide input to the group. Sonila to put pressure on UITP to get a fast response on a possible collaboration with the TOMP WG (23.5).