

Report of MaaS-API working group

*10/06/2020, session #27
10:00h-12:00h, Teleconference*

Attended by (19):

Bon Bakermans (Ministry of IenW)
Brylie Christopher Oxley (MaaS Global)
Christiaan Rakowski (XXImo)
Eddy Borremans (Nazza)
Edwin van den Belt (DAT Mobility)
Jens Kjærby Frandsen (Donkey Republic)
Kushagra Sharma (Radiuz)
Marijn Rovers (PON)
Perry Kruin (Emotion)
Peter van Brakel (g292)
Rens Wagenbuur (Translink)
Robert Baart (Paxx)
Roberto Reyes Garcia (University of Twente)
Ross Curzon-Butler (Cargoroo)
Ruud Mollema (Ministry of IenW)
Sonila Metushi (KNV)
Stephan Rösli (SBB/Digital Infrastructure for Mobility)
Steven Pauwels (Roolit)
Tjalle Groen (Taxistop)

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 way to be updated on the TOMP-API	Update (10-06-20): Kushagra and Ross to present website, see tomp-wg.org	In progress – almost done	24-06-2020
19.1	Identity management	Update (10-06-20): Sequence is presented, to be further discussed in next meeting	In progress	24-06-2020

23.1	Support module functions in TOMP API	Update (10-06-20): To be released in the next version, reviewed support module	Done	13-05-20
25.1	Overview of TOMP implementations to learn from each other and accelerate overall implementation	Eddy will come up with a list of current implementations and presents it in the WG	In progress	24-06-20
25.4	Unclear communication in Slack	Edwin will merge the unnecessary Slack channels.	To do	24-06-20
26.2	Hosting the TOMP website also gives the possibility to create some email addresses.	WT4 will propose different names Update (10-06-20): Vote in slack channel	In progress	12-06-20
27.1	Release of version 1.0	Everybody is asked to report missing items that are not already on the issue list	In progress	24-06-20
27.2	A questionnaire will be sent to all the participants of the TOMP WG for check the status of implementation.	A secured Google drive is used for the results. If needed Eddy and Tjalle discuss how to set up a secured environment.	In progress	24-06-20
27.3	Address different transport operators to discuss TOMP dialects	Roberto will plan a meeting between WT2 and WT4 (27.3)	To do	24-06-20
27.4	Square logo	Steven will also create a logo for TOMP-API and TOMP-CDS (27.4)	To do	24-06-20

1. Approval of report of previous working session

The report of the previous working session (#26) was reviewed during this session and has been approved. It will be added to GitHub.

2. Afsprakenstelsel by KNV MaaSlab

- Creating an afsprakenstelsel (or framework agreements) is the key to create an open and inclusive MaaS ecosystems. This is one of the activities in the MaaSlab.
- Several key players in the MaaS ecosystem (public transport and taxi) participate in the development of the afsprakenstelsel. It is a proven concept in other sectors (iShare, iDeal and MedMij). The MaaSlab will also look into the principles and architecture of IDSA (international data space association).

3. MaaS blockchain challenge

- One of the objectives of the Dutch MaaS program is to learn about the MaaS ecosystem. Blockchain may be a disrupting technology in MaaS, but we do not know all about it. One of the issues is how to deal with privacy and sensitive information on the blockchain. Also, blockchain may be too slow.
- Sony participated in the challenge and showed a blockchain with 6 nodes for parts of record history, subscription and revenue sharing in MaaS. They were capable of completing 7 million transactions per day. That would be sufficient for MaaS in the Netherlands.
- One next step is to find out how distributed ledger technology can be used in MaaS in Europe or worldwide. Also the use of smart contracts should be further investigated.
- Questions can be addressed to Ruud Mollema, see also his presentation in the attachment.

4. WT1 Technical issues

- A flow scheme for identity management is presented. It is based on a token request to ensure the only the required user data is shared. The further discussion for next steps and the impact on TOMP is needed (19.1). This also depends on the way of authentication.
- The team is working towards the 1.0 release. Everybody is asked to report missing items that are not already on the [issue list](#) (27.1).

5. WT2 Reference implementation and certification

- Working team provide a questionnaire for the progress of TOMP implementation. Eddy will present the current status of implementation (25.1)
- The questionnaire will be sent to all the participants of the TOMP WG. A secured Google drive is used for the results. If needed Eddy and Tjalle discuss how to set up a secured environment (27.2).
- There is a discussion on different dialects of TOMP, due to different versions or extra requirements. The working team will look into a basic flow, is it sufficient for all stakeholders? Also, target communication is needed towards different transport operators. Roberto will plan a meeting between WT2 and WT4 (27.3)
- The team is working on a meta reference lookup with endpoints of each party. This is part of the MaaS tables and should be hosted by the NDW. Edwin has discussion with Tiffany Flemmings of the NDW and will be joined by Ruud of Bon.

6. WT3 Standards

- Next meeting an overview of internal, external and parallel standards will be presented.
- The working team started the communication with the MaaS Alliance and works on a co-collaboration strategy.

7. WT4 Dissemination and communication

- Created a general roadmap with BigPicture in Trello. Will be maintained by the working team.
- A suggestion is made for email addresses. Everybody is able to give input before 13 June in Slack (26.2).

- The working team presents a squared logo. No binary code is used in this logo due to the size. Steven will also create a logo for TOMP-API and TOMP-CDS (27.4)
- A proposal is done to use names of animals for the marketing version of TOMP. This is international and easier to market. All participants of today's meeting agree. The working team will create a picture for version *Dragonfly*.

8. Any other business and tasks for next meeting

- A separate roadmap and governance proposal (including financing) will be made to discuss with the ministry.

Next online meeting (working session #28) on Wednesday 24-06-2020, 10:00h