



## Report of MaaS-API working group

*4/9/2019, session #8*

*10:00-12:00, CROW, Jaarbeursplein 22, Utrecht*

---

### *Attended by (9):*

Edoardo Felici (Ministry of IenW)

Eddy Borremans (Nazza)

Roberto Reyes Garcia (UTwente)

Stefan Bollars (Innovactory)

Edwin van den Belt (DAT Mobility) – *via teleconference*

Ross Curzon-Butler (Cargoroo) – *via teleconference*

Adrien Debono (Cityway) – *via teleconference*

Tjalle Groen (Taxistop) – *via teleconference*

Tim Cooper (Skedgo) – *via teleconference*

### **1. Summary of decision points & feedback from actions from previous working session**

Edoardo walked through the decision points and tasks from the Report of session #7.

All points have been approved by the attendees.

The following tasks were defined during the previous sessions:

<i>No.</i>	<i>Context</i>	<i>Task</i>	<i>Status</i>
3.1	In NETEX stop definitions are standardized. It is important that Accept uses this as well in their base code tables, as NETEX will be mandatory starting Dec 1 <sup>st</sup>	Edoardo will refer this to Accept	Done
3.2	Ross brought up GDPR issues related to fraudulent customers. The obligation to remove end	Edoardo will refer this issue to the End user data working group to address	To-do, will start again in Sep.

	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.		
3.9 3.10	Ross put forward different methods for implementing webhooks. Different options were discussed. Himanshu mentioned that Accept already has authorization keys implemented which can be re-used.	Ross will summarize these options on Github, so WG members can start looking into their preferences. (3.9) Edoardo will check possible re-use of Accept authorization processes (3.10)	Work-in-progress  Done, see <a href="#">issue #7</a>
5.1	As homework for all it was decided that we should have an overview of business models that TOs use, as a check that we are incorporating all the necessary scenarios in the API specifications	See <a href="#">issue #46 on Github</a>	To-do
6.4	Roberto asked for the release of the documents <i>MaaS Base Code Tables</i> and <i>Connecting a MaaS Service Provider to the MaaS-NL-Router version draft, 0.1 Date: 21 March 2019</i> and <i>Woordenboek Reizigerskenmerken</i> .	Edoardo will ask if these documents can be released.	To-do
7.1	Edoardo will make a suggestion to modify the Booking State sequence diagram and update this to a state transition diagram	Roberto has offered to work on updated the flow diagrams	To-do
7.2	Eddy brought forward the risk of possible malicious intent during the booking process. Stefan added that this brings forward	Edoardo will add this to the Github as a backlog item (7.2) for further development after v1.2.	Done

	the discussion about the need for historical logging. Who is going to log what? Can a MSP retrieve historical logging on all transactions from a TO?		
--	--	--	--

## 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/>

Approved during the meeting:

- No pull requests were made or approved during the meeting

Issues discussed during the meeting:

- [Issue #46](#) (homework under action point 5.1) still needs to be filled in by all, so we can have an overview of various business model the API needs to take into account.
- A clarification was asked of the role of Accept Institute. They offer a router that will forward all trip information in the data-string format from MSPs to the Learning Environment at TNO. From there, lessons can be extracted from the MaaS-pilots in NL. Also, Accept will issue unique IDs for Transport Operators, MaaS Service Providers and Users within the Dutch MaaS Ecosystem, and offer lookup-APIs for this. A concern was raised by Edwin about the difficulties of cross-border travel, as this currently will only work in NL. To be addressed in MaaS-alliance and during MaaS-pilot Limburg.
- The latest Trip Execution States were discussed (see [Issue #49](#)) and explained. No modifications were made. Roberto has offered to update the flows from the Blueprint to reflect these latest changes.
- The subject of webhooks was addressed. Ross and Edwin will work on a proposal the following weeks. It was agreed that a BaseURL should be exchanged to avoid having to send update information in headers. Whitelist, tokens, authentication and schematype should also be included.
- A number of Issues was assigned to working group members for further specification.
  - Edwin will work on updating the booking specs this week (8.1)
  - Edwin and Ross will work on a webhook proposal (8.2)

- Tjalle has offered to make a proposal for the headers (8.3)
- Tim offered to make JSON-code samples for a TOMP-API-for-Dummies document based on these spec updates (8.4).

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

- See numbered tasks above
- Everyone is requested contribute to the issues on Github relating to the homework (issue #46)
- Discuss how to deal with versioning, update frequency and backwards compatibility once API has been released.
- 2 October: draft proposal for v1.1 ready for review
- 16 October: definitive document v1.1

#### **5. Any other business**

- The next meeting will take place on 18/09 from 10:00-12:00 at Radiuz in Utrecht (Stadsplateau 11), room SATURNUS
- Edoardo will not be present during the next meeting. Roberto ([j.r.reyesgarcia@utwente.nl](mailto:j.r.reyesgarcia@utwente.nl)) from UTwente has offered to chair the meeting in his place.