



## Report of MaaS-API working group

7/8/2019, session #6

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

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### *Attended by (8):*

Edoardo Felici (Ministry of IenW)

Roberto Reyes Garcia (UTwente)

Ross Curzon-Butler (Cargoroo)

Robert Baart (Paxx)

Himanshu Gautam (Radiuz)

Pim van der Toolen (Intraffic)

Gerke Henkes (Nazza)

Stefan de Konink (Stichting OpenGeo) – *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 #5.

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	To-do
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	Edoardo will refer this issue to the End user data working group to address	To-do

	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.		
3.4 3.5	The logic and clarity between the Planning and Booking API-modules was addressed, as some confusion appeared as to which functions take place in which modules.	Gerke, Ross and Himanshu proposed to set up a sub-working group to try and create clarity in these processes. (3.4) Gerke has implemented a similar process logic and is willing to share the insights with the working group. (3.5)	Done
3.6 3.7 3.8	The semantics and functions of the Booking state were addressed based on Pim's comments on Github. Main feature is to introduce an Option state during which the User is presented with the different travel options, without the obligation for the TO to keep the asset temporarily reserved. Himanshu proposed to go through the semantics for each different modality in the next WG-session, as the booking process/relevant wording can be different for each.	Pim will update the issue #9 based on the suggestions (3.6) The sub-WG (see 3.4) will make first suggestions for this (3.7) Edoardo will add this point to the next agenda (3.8)	Done
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  To-do

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
5.2	Stefan pointed out a potential issue with language packs. Will English be the standard or is a translation package to be supplied? A single reference pack is required, e.g. the European Key Registry for Addresses or the Inspire publications.	Stefan will add a link to the Inspire publications on Github	Done
5.3	Edoardo summarized what has been determined in the past two meetings about the various booking phases.	Edoardo will make a sequence diagram to clarify and decide on this for the next meeting	Done

## 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. Approval of report of first 5 working sessions

The report of the first 5 working sessions has been approved without comments and will be published.

## 4. 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.
- The Booking State sequence diagram made by Edoardo was discussed and updated. This had been added to issue #9. RELEASED was added as a booking

state (if a PENDING state is cancelled by the MSP/User) and differentiation between Planning phase and Booking phase in the availability check was added.

- Edoardo will write a description to go with the Booking State sequence diagram (6.1)
- As a next step, it was decided the working group needs to look into Trip Execution states (6.2)
- Possible misuse of the PENDING state was discussed, where a User can freeze (too) many assets while choosing a trip. Stefan suggested that a maximum number of pending sessions per User can be defined on each TO platform based on an anonymized User ID.
- The 'lower states' that are possible during Trip Execution (e.g. creating a secondary booking within a booking for an asset) were discussed. It was decided this creates extra complexity we do not need to address yet in v1.1.
- The privacy policy was discussed within the MaaS-ecosystem and the relationship with Accept. Edoardo explained the setup of the data string collection from MSPs through Accept to the Learning Environment of the MaaS programme in NL. Ross commented that TOs will most probably object to the high level of insights the data string will give governments in the business of TOs.
  - Edoardo will refer this to the MaaS-programme for further discussion (6.3)
- Roberto asked for the release of the documents *MaaS Base Code Tables* and *Connecting a MaaS Service Provider to the MaaS-NL-Router version draft, 0.1* Date: 21 March 2019 and *Woordenboek Reizigerskenmerken*.
  - Edoardo will ask if these documents can be released (6.4)
- After a walkthrough of open issues, the following were closed or redefined:
  - #35 Review the blueprint to ensure definitions match coming from a TO perspective (fixed with booking state discussions)
  - #36 API documentation – Swagger link (link outdated)
  - #41 Item 3.4 discussion re: planning and booking logic (fixed with booking state discussion and placed under #9.
  - Edoardo will join together a number of issues containing weblinks into a link list document (6.5).

## 5. Determine tasks for next meeting

- See numbered tasks above
- Everyone is requested contribute to the issues on Github relating to the homework (issue #46)
- How to receive notifications on specific assets through endpoints and webhooks needs to be discussed.

- Trip execution states need to be discussed.

**6. Any other business**

- The next meeting will take place on 21/8 from 10:00-12:00 at CROW in Utrecht (Jaarbeursplein 22), room FIETS.