



## Report of MaaS-API working group

16/10/2019, session #11  
10:00-12:00, Radiuz, Stadsplateau 11, Utrecht

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### *Attended by (13):*

Edoardo Felici (Ministry of IenW)  
Eddy Borremans (Nazza)  
Roberto Reyes Garcia (UTwente)  
Pim van der Toolen (Intraffic)  
Robert Baart (Paxx)  
Edwin van den Belt (DAT Mobility)  
Ross Curzon-Butler (Cargoroo)  
Stefan de Konink (Stichting OpenGeo)  
Edgar Zeijlemaker (Radiuz)  
Tim Cooper (Skedgo) – *via teleconference*  
Tjalle Groen (Taxistop) – *via teleconference*  
Marijn Rovers (PON) – *via teleconference*  
Gadi Lenz (Urban Mobility Innovations) – *via teleconference*

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

All points from the Report of session #9 have been approved by the attendees.

The following tasks were defined during the previous sessions:

No.	Context	Task	Status
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	Edoardo will refer this issue to the End user data working group to address	To-do, will start again asap.

	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.		
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.	Done
8.2	Define webhook schemas. See <a href="#">issue #12</a>	Edwin and Ross will work on a webhook proposal	Work-in-progress
8.4	a TOMP-API-for-Dummies guide would be of great value for stakeholders interested in understanding what the TO-MP API is and how it works. See <a href="#">issue #52</a>	Tim to make JSON-code samples for the TOMP-API-for-Dummies guide based on the spec updates.	Done
9.1	Edoardo to approve Pull Request for v1.1 update	Edwin will add the latest updates to the pull request on github	Done
9.2	YAML update by Edwin to be added on Swaggerhub	Edoardo to make this new version of the API in Swaggerhub open for everyone	Done
9.3	YAML update by Edwin to be added on Swaggerhub	Roberto will update list of API calls in the blueprint and attach it to the operational flows for a better overview (9.3)	Done
9.4	The allocation of a specific asset will be made explicit in the Trip Execution process, prior the start of the trip (probably as part of the "preparing state")	Roberto will integrate it to the TE operational flow	Done

9.5	Suggestion to change the format of the TO-MP API to REST API standard	Robert and Edwin will work on the changes (see <a href="#">issue #54</a> )	Done
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## 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/>

Issues discussed during the meeting:

- Edwin contributed to a number of issues deemed missing in v1.1:
  1. Conditions/restraints for returning an asset
  2. End points to be added
  3. Facility for no-return, in case a user dumps an asset
  4. Authorization, OAuth to be added
  5. Now coordinates are objects in lon-lat, long routes should be defined in GeoJSON to avoid overhead

Some of these points can be addressed before publication (e.g. 4), others to be added as issues on Github.
- Roberto walked through the latest version of the Blueprint document, with the following comments:
  1. Link to the WIKI needs to be added in the document
  2. User stories section to be refined in the future
  3. Update reference numbers in Swaggerhub
  4. Change from AssetIDs to LegIDs
  5. Change flow for cancellation of legs
  6. Change notation of OR-gate in Booking flow
  7. 4.8 to be removed
  8. Notifications to be added aligned with HTML error code responses
- The Swaggerhub update was discussed, with the following comments:
  1. The call GET/legs should have the Trip Execution states included, so an MSP can find out what state the leg is in.
  2. DELETE/booking should be removed if it is not to be implemented

- Roberto, Edwin and Robert will work on some final details in code and documentation for publication of v1.1 planned on Monday 21 October.
- Updates for the next milestone v1.2 were discussed, with the following suggestions:
  1. Better definition of how MSPs and TOs authenticate themselves at endpoints
  2. Choose single method how MSPs can be reached, whether through callbacks, APIs or subscriptions
  3. Update Blueprint section 9 and 10 on technical specifications and conditions
  4. Define an upgrade path for v1.1. to 1.2 for efficient automatic code generation, with agreement on feature locks and major/minor versioning
  5. Check if asset/operator information modules are getting MSPs the information they need
  6. Discuss how licensing and proper certification can be organized for using the TOMP-API
  7. Work on privacy/registration and payment modules to broaden API functionality.
- The approach for getting to v1.2 was discussed, with the suggestion to start with the privacy/registration module to work on identification, authentication and authorization issues. Accept Institute should become part of the working group to discuss how to implement payment without reinventing the wheel. Next milestone is publication of v1.2 in January 2020, with bugfixes for v1.1 based on implementation and testing and new enhancements based on previous suggestions.
- A quick evaluation was held on the current standing and organization of the working group. Participants are still happy with the current setup and frequency, thanking everyone involved for their hard work in the last few weeks.

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

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

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

- Edoardo will ask Accept Institute to update the testing environment to v1.1