Report of MaaS-API working group

20/4/2022, session #64
10:00h-11:00h, Teleconference

Attended by (13)
Bon Bakermans (Ministry IenW)
Christian Cagnol (Axway)
Christophe Duquesne (NeTEx)
Edwin van den Belt (DAT mobility)
Gerben Dijkstra (Arriva)
Gerrit Saey (Censys)
Kasia Bourée (NeTEx)
Marijn Roverts (PON)
Markus Meier (SBB)
Paul Theyskens (MaaS alliance)
Sonila Metushi (KNV/MaaSlab)
Tjalle Groen (Mpact)
Tu-Tho Thai (MobilityData)

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*
64.1	Interoperability of standards (Transmodal, TOMP, MobililtyData)	**Tu-Tho, Kasia** and **Edwin** continue the discussion	To do	Next TOMP WG

1. **Approval of report of previous working session**
   The report of the previous working session (#63) was reviewed during this session and has been approved. It will be added to GitHub.

2. **Discussion on upcoming releases and breaking changes**
   - At the moment 4 breaking issues are listed. Those issues require changes to the API that are not backwards compatible. The issues are about the return of errors (list instead of single error), the pagination for available assets, the paginating method in general and about the 204 response in the API. The release of TOMP-API v2.0.0 is

needed to cope with these issues. Especially the change of pagination method may have a large impact on existing implementations.

- The WG discusses the need and timing of the next major release (v2.0.0). In the beginning of last year it was communicated that the current version of the API has a LTS (long-term support). At that moment no breaking changes in the future were foreseen. That is why the WG wants to be careful with new major releases.
- Next to that, some functional extensions (non-breaking changes) are listed for the next version of the API. These are amongst others; compatibility with GBFS 2.1 and 2.2, the requirement of GDPR to remove history, payment methods and custom fields in the planning request. All these extensions have a non-breaking impact on the API and may be release in version 1.4.0.
- For now, the most feasible and credible way is to release version 1.4.0 in Q3 of 2022 and to have a major release (2.0.0) in 2023. For the major release the changes need to be communicated in advance and parties need to have time to respond on the changes.
- The TOMP WG decides that a version 1.4.0 would be appropriate, to be released in the fall of this year. Version 2.0.0, containing the breaking changes can be released early 2023.
- Version 1.4.0 contains at least functional extensions and technical changes, as long they are not breaking. The final list of changes -and where possible their impact on implementations- will be handed over to the SC at least 3 months before the final release date.
- Finally, the Strategic Committee needs to be updated about upcoming changes.

3. **Update WT4**
    - The roadmap of WT4 is presented. The WT has targets for blogposts, newsletters videos and videos. Next to that, it is also planned to make cookbook for specific modes.
    - Tjalle is editing the promotion videos. Tu-Tho mentions that a colleague of MobilityData is also willing to help with editing.
    - The TOMP-API is mentioned in an abstract that was submitted by Tu-Tho for the ITS world congress in Los Angeles.
    - MobilityData organizes a summit in the beginning of June. There are several sessions about interoperability.

4. **Interoperability with NeTEx and SIRI**
    - Kasia Bourée and Christophe Duquesne joined the meeting to update the working group about developments regarding NeTEx and SIRI. NeTEx and SIRI are part of the Transmodal ecosystem of standards.
    - The Transmodal ecosystem focusses on interoperability and consistency across data formats. The ecosystem contains NeTEx (exchange format for scheduled information) SIRI (exchange format for real time information), OpRa (exchange format for operational raw data) and OJP (open journey planner API). The presentation of Kasia is attached.
    - Kasia and Christophe present NeTEx part 5 about alternative modes. For alternative modes the differentiation with conventional modes is made in the mode of operation. New modes of operation are for example vehicle pooling, sharing and rental. The TOMP-API uses the same differentiation in modes as the NeTEx model.

- The TOMP could be integrated between the monomodal information on trip legs with input of SIRI, NeTEx and a trip planner. In this way the TOMP confirms the price of a trip leg.
- Edwin, Kasia and Tu-Tho continue the discussion about interoperability between the different mobility standards (64.1).

Next online meeting (working session #65) will be on Wednesday 25-5-2022, 10:00h