

# openPASS AC - 30.01.2020

Donnerstag, 30. Januar 2020 15:30

**Date:** 30.01.2020 15:30

**Location:** Skype-Besprechung

## Participants:

- [Das Arun, FG-461](#) (BMW Group)
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- [Stark, Lukas \(K-GERT/A\)](#) (VW on behalf of VW GoA)
- [Schoenawa, Stefan, Dr. \(K-GERT/A\)](#) (VW on behalf of VW GoA)
- Uwe Wössner (HLRS, Guest)

## Notes

### 1. Last feedback for Release v0.6

The last change, that will be performed for release v0.6 is to make the xcopy command more robust on windows machines. The adaptations will be checked and performed by VW GoA until 05.02.2020. Afterwards, ITK will officially release the v0.6 (Tag, Push to master branch).

Minor findings from testing will be reported as bugs and fixed in later versions.

ITK and Daimler are planning to integrate some components once v0.6 is released (e.g. two track dynamics, collision detection and post-crash dynamics).

### 2. CMake pull request / Visualization activities (Uwe Wössner)

Link to the PR: <https://git.eclipse.org/r/#/c/156216/>

The content is related to the EU project OSCCAR (<http://osccarproject.eu/>). The goal is to implement a workflow starting with recordings at a crash site and modelling of the scenario and scenery. Afterwards the simulation can be run and the workflow finishes with an evaluation of the simulation results.

The workflow is planned to be supported by OddLOT for modelling scenery and scenario. openPASS serves as a simulation platform and COVISE / openCOVER will be used for visualization purposes.

A short presentation of OddLOT and COVISE was given in the meeting.

For easy setup of the whole toolchain, a cmake build system was proposed in the pull request by Uwe Wössner. An advantage is the compatibility with other compilers than only MinGW and therefore easier development on Windows.

A change of the build system will be discussed in detail in the requirement workshop in February as it will not only impact the CI but also the development processes of all working group members.

In the future, a coupling of openPASS with openCOVER is targeted to visualize the simulation. The data

will probably be send as OSI messages. This also shall be used with OddLOT to design sceneries and setup scenarios, as the user can get live feedback on the modelling. However, this is expected to have a large impact on the simulation core, making early discussions on integration architecture and core changes essential.

HLRS is also thinking about implementing an installer (e.g. using InnoTools on Windows). The working group would appreciate such contributions, especially as this has already been identified as a much needed feature.

Next steps:

- Create feature branch for cmake proposal (Dmitri)
- Create pull request on the new feature branch instead of on the servant branch (Uwe Wössner)
- The WG members will give feedback on the pull request in the next weeks
- Technical discussions on architectural changes for build system and visualization will be planned

### **3. Overview of framework components, agent components and interfaces (Dmitri Fix)**

Due to timing reasons, the slides will be discussed in the next AC. Early feedback can be send to Dmitri.

### **4. openScenario Catalogs**

This was a ToDo from the AC workshop in December. Currently only 8 catalogs are supported by the openScenario standard (see AC slides). None of those catalogs seem suited to hold sensor profiles, vehicle component profiles or driver profiles.

Jan noted, that support of the trajectory catalog would support the re-simulation of PCM cases. BMW is already working on the import of trajectories from the catalog. More steps towards a full simulation will be identified in the requirement workshop. Open topic: Does the standard support relative trajectories and how are they specified?

### **5. Refinement Workshop**

The workshop is part of the AC. The organization is done by the product manager. Feedback on the agenda will be provided via Email.