

openPASS AC – 13.01.2022

Donnerstag, 13. Januar 2022 13:58

Date: 13.01.2022 14:00

Location: Microsoft Teams-Besprechung

Participants

- [Das Arun, FG-461](#) (BMW Group)
- [Hammouda Manel, EG-342](#) (BMW Group)
- jan.dobberstein@daimler.com (Mercedes Benz AG on behalf of Daimler TSS)
- Per.Lewerenz@daimler.com (Mercedes Benz AG on behalf of Daimler TSS)
- [Platzer Thomas, EG-342](#) (BMW Group)
- [Duong Quang, Tuan](#) (TÜV SÜD Auto Service GmbH)
- Daniel.Schmidt6@de.bosch.com (Robert Bosch GmbH)
- [Lucas, Gwendal, Dr. \(K-AERT/A\)](#) (VW on behalf of VW GoA)
- [Schoenawa, Stefan, Dr. \(K-AERM/A\)](#) (VW on behalf of VW GoA)

Notes

Outlook Workshop "PCM data in openPASS" on 14.01.2022

The workshop builds up on the Integration of PCM in release v0.8 of openPASS. The goal is to present openPASS as a tool which can already be applied for simulation of PCM, OpenDRIVE and OpenSCENARIO and discuss how to the future of crash data, PCM cases and GIDAS looks in combination with simulation.

Future Repository Structure

Goal: Offer a space for models close to openPASS but without slowing down the core development.

A new repository for simulation models will be set up within the simopenpass project. Within the repository, models will be categorized by sensors, algorithms, behavior models and actuators.

The next step is to define the conjunction of simulation core and simulation models. This has to account for:

- Integration of model documentation in openPASS documentation (Sphinx)
- Execution of unit and integration tests on the CI
- Configuration management for E2E Tests and execution on the CI
- Temporarily disabling models to account for incompatibilities

Most likely an according mechanism in the CMakeLists.txt has to be implemented.

Additionally a guideline for model developers has to be set up. Rough collection of content:

- Development process
- "DoD" -> i.e. Tests, Docu, Coding Guidelines
- Obligations for updates
- Deactivation and removal in case of missing updates and maintenance

Along with the creation of the described repository structure, existing models will be located in the separate simulation model repository. Those models will be marked as maintained directly by the simopenpass project. Furthermore, the modularity among developments within the working group can be increased by placing the GUI in a separate repository. Possibly also interfaces can be placed separately for simple usage through models, GUI and simulation core.

Discussion on Development Process

The discussion on the development process is held on Gitlab:

<https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/issues/83>

Publication will happen in Gitlab Wiki on Working Group level. This is above all projects and accounts for any contributions and collaboration within the openPASS Working Group.

Discussion on Requirements for Determinism

Presentation of first thoughts on what determinism means and how to enforce it. Detailed analysis on feasibility has to follow. An issue in Gitlab has been created for further tracking and discussion: <https://gitlab.eclipse.org/eclipse/simopenpass/simopenpass/-/issues/112>

Documentation of Requirement Refinement Meetings

List of requirement refinement meetings since last AC meeting:

- 19.11.2021 Synchro meeting on current developments of OpenSCENARIO Engine / API
- 03.12.2021 Synchro meeting on current developments of OpenSCENARIO Engine / API

If you plan to attend one of the following meetings, contact one of the attendees to forward you the meeting or approach Arun Das.