

openPASS Architecture Committee

Freitag, 14. Dezember 2018 09:55

Meeting Date: 14.12.2018 09:30

Location: Robert Bosch GmbH, 71272 Renningen Robert-Bosch-Campus 1

Link to Outlook Item: [click here](#)

Invitation Message

Content

Participants

- [Findling Katharina, FG-410](#) (Meeting Organizer)
- openpass-sc@eclipse.org
- [Jorge Lorente Mallada \(TME\)](#) (Tentative in Outlook)
- [Raisch Florian, EG-342](#) (Tentative in Outlook)
- heiko.buerkle@daimler.com (Tentative in Outlook)
- [Gnandt, Christian](#) (Tentative in Outlook)
- [Schmidt Daniel \(CR/AEV1\)](#) (Accepted in Outlook)
- [Lich Thomas \(CR/AEV1\)](#) (Tentative in Outlook)
- [Stark, Lukas \(K-GERFK/U\)](#) (Accepted in Outlook)
- [Schoenawa, Stefan, Dr. \(K-GERFK/U\)](#) (Accepted in Outlook)
- [Das Arun, FG-410](#) (Accepted in Outlook)
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- [Dmitri Fix](#) (Accepted in Outlook)
- [Pablo Puente Guillen \(TME,\) \(Pablo.Puente.Guillen@toyota-europe.com\)](mailto:Pablo.Puente.Guillen@toyota-europe.com)

Notes

1. Goals are agreed, as already discussed in the SC in October, 26th (see slides, comments were incorporated accordingly)
2. Pablo (Toyota Europe) presented User Goals
 - The focus in P.E.A.R.S. is contribution to ISO working group to achieve a standard and the harmonized methodology for quantitative assessment of ADAS and active safety systems
 - How can openPASS be used to help achieve these goals?
 - What would be the result of openPASS?
3. Scenario based simulation (Arun, Katharina; BMW)
 - What is the counterpart of the Selector algorithm / where is the logic implemented

Redesign of input files

- Is there compatibility of combinationconfig with PCM file? Was a migration process discussed?
 - No, AC decided that as we don't know how much effort it would be, we won't migrate PCM and Scenario based simulation. There could be 2 openPASS versions - PCM and Scenario. This will be discussed further in the next SC meeting
- As scenario based simulation has a completely new input file structure and architecture, it is essential to define the core architecture / structure to allow further development. Otherwise the overall openPASS development could fall apart after each release.
 - A decision was made to invite developers (BMW, Daimler, VW) to the next AC meeting to set up the minimum requirements for further developments.

Modules and components

- Current collision detection logic is used
- Modules are categorized as in openSource (CoreModules / Components), slides are updated accordingly
- SensorRecordState <-> Observer - why do we need SensorRecordState?
 - To clarify with the developers
- Google Protobuf
 - Is that compatible with mozilla license
- Why do we use google protobuf?

Timeline:

- Presented timeline was approved (see slides). It was also approved that with the BMW commit openPASS Version 1.0 will be created. Nevertheless the final release decision will be made at the next SC meeting

GUI:

- We should think about GUI adjustments to scenario based simulation, which can be committed with the openPASS Release 1.0

Next steps:

- BMW will follow the CI process as far as practicable:
 - Propose scope of major Release to discuss (and finalize) in SC meeting.
 - Create user stories

4. License

- BMW contacted a responsible person from ASAM e.V. regarding license questions:
- *"Bitte beachten Sie, dass für OpenDrive, OpenCRG und OpenScenario die Kostenfreiheit vertraglich vereinbart wurde. In den Lizenzbedingungen ist von "Käufern" der ASAM-Standards die Rede. Wir würde für die Open-Standards den Kaufpreis €0 in unsere Preistabelle eintragen, d.h. effektiv müssen Nicht-Mitglieder auch nichts zahlen für die Standards. Insofern gäbe es dann auch keinen Widerspruch zu den aktuellen Lizenzbedingungen."*

5. General Points for further development (Dmitri; ITK):

- Presented developer documentation and function
- Dimitri will commit new doxygen structure
 - Further documentation should stick to this, learning by doing principle
- EDL 1.0 for templates and artifacts (Eclipse Distribution License) can be used, not have to be used
- AC further todos:
 - AgentInterface should be more generic -> refactoring?
 - Remove / implement dummies
 - General: everybody should take a look, eventually create user stories for refactoring

5. Hierarchical SystemEditor, Documentation GUI, ComponentGenerator (Lukas, Stefan; VW):

- Component generator - user can add documentation
- System editor - subsystem can be added
- VW will implement the proposed changes

In General:

- Upgrade QT and c++ at the beginning of next year
- Any changes what are not compliant with actual architecture should be communicated in advance.
 - > In that case AC / SC will decide if the changes are ok or not
- pcm@openpass and sim@openpass: does it make sense to split discussions?

