sim@openPASS Systemeditor

Freitag, 1. Februar 2019 13:34

Meeting Date: 01.02.2019 08:30
Location: FIZ Konferenzzone > Raum 17 VC (01.50/014.0 - 1. OG)
Invitation Message
Participants

- Findling Katharina, FG-410 (Meeting Organizer)
- Stark, Lukas (K-GERFK/U) (Accepted in Outlook)
- Schoenawa, Stefan, Dr. (K-GERFK/U) (Accepted in Outlook)
- Das Arun, FG-410 (Accepted in Outlook)
- Gottwald, Fabian (EXTERN: EDAG)

openPASS - Follow Up Telko

Mittwoch, 13. Februar 2019
14:34
Meeting Date: 13.02.2019 14:30
Location: Skype-Besprechung
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Participants

- Schoenawa, Stefan, Dr. (K-GERFK/U) (Meeting Organizer)
- Stark, Lukas (K-GERFK/U)
- Gottwald, Fabian (EXTERN: EDAG)
- Findling Katharina, FG-410
- Das Arun, FG-410
- Platzer, Thomas
- Hammouda, Manel
- Vogt, Timo
- Düring, Michael

Notes

- Introduction hierarchical system editor - systems / subsystems (VW GoA Präsi)
- Discussion on BMW proposal scenario based simulation:
  - Setup of an experiment from user perspective
  - Static appConfig contains the basic setup of components and channels. Those are not dependent on the individual agent configuration. Thus no user input is required.

  --> Simulation core instantiates agents according to their individual configuration (defined by the user, stored in combination config)
  --> only sensors and adas that are actually configured and required are instantiated
  --> simulation core is not static! E.g. the channels in the AppConfig could be change, simulation core can handle this. User errors can lead to incorrect instantiation.

- Discussion requirements:
  - General requirements for the simulation:
    - openPASS should still enable the modularity, so that users can set-up and/or exchange components (--> systemConfig)
    - Manipulation of signals (Sensor - ADAS)
    - Modular architecture of ADAS
    - Logical operations on signals
  - Requirements GUI
    - Experiment – Configurator: Environment, Scenery and Traffic are mandatory
      Different components should be choosable by dropdown menus, but the connections are static
  - Requirements AppConfig
    - Define components, which should be moved to systemConfig
    - Define components, which are not configurable by user
      --> Refactor AppConfig
  - Requirements systemConfig
    - Refactor the structure of systemConfig.xml

- Next steps:
  - Discuss findings on 28th February (AC)
  - Create user stories and assign those to the Releases
    - Release 0.7 **(to discuss and define in AC!)**
      - Simulation core: BMW commit with systemConfig integration (only partly, e.g. Sensor -ADAS)
      - GUI: Experiment setup can be visualized
      - GUI: Visualization of the continous toolchain
      - GUI: hierarchical subsystem configuration
    - Release 0.8 **(to discuss and define in AC!)**
      - Further merging AppConfig and SystemConfig
      - …
    - …
    - Release 1.0 **(to discuss and define in AC!)**
      - Final simulation core and architecture are defined and implemented.
      - …

Additional ToDo's:

- OSI Sensor interface - output/input format - should we stick to OSI standard?
- ADAS systems - output/input from sensor - should we stick to OSI standard?
- How do we handle channels/connections? Possibility to choose what to use?