openPASS - Refactoring Workshop I

Intro

Date: March 9th, 2020
Topics: repository structure, coding guidelines and agent interface

Participants:
- Reinhard Biegel
- Dmitri Fix
- Ina Lorenz
- Rene Paris
- Lukas Stark
- Arun Das
- Tuan Duong Quang
- Jan Dobberstein

Minutes

(A) Repository structure

- in-tech presents their suggestion:
  https://wiki.eclipse.org/File:20200212_ReqRefMeeting_DirectoryStructur_CI.pdf
- ITK presents their change proposal:
  https://wiki.eclipse.org/File:OpenPASS_repoStructure_CR_by_ITK.pdf
- VW presents their change proposal:
  Generally VW agrees on the repository structure. An idea on deployment was presented. The output folder should contain the folders "components" and "coremodules" for better overview and sharing between GUI and SIM.
- Final decisions:
  https://wiki.eclipse.org/File:Simopenpass.zip
  - the proposal by in-tech will mainly be accepted
  - change request on moving the third-party dependencies outside repository is declined

(B) Coding style and naming convention

- in-tech proposal is assumed to be known:
  https://wiki.eclipse.org/images/8/80/CodingConventions_Proposal.pdf
- ITK presents their change proposal:
  https://wiki.eclipse.org/File:CodingGuidelinesNamingConventions_Comments.pdf
- VW presents their change proposal:
  Mainly a suggestion is made to leave auto-generated code (GUI) as-is. The proposal is accepted by other devs.
- Further discussion:
  - place Doxygen comments only in Interfaces
  - introduce namespaces, e.g. "openpass::component" or "openpass::core"
  - component sub-namespaces to be discussed
  - .clang proposal
- Final decisions:
  https://wiki.eclipse.org/File:OpenPASS_Conventions.pdf

(C) AgentInterface

- Initial proposal by in-tech in Dec. 2019:
  https://wiki.eclipse.org/File:20191204_Draft_AgentInterface_Refactoring.pdf
- ITK presents their proposal on refactoring of the AgentInterface:
  https://wiki.eclipse.org/File:ConceptAgentInterface.pdf
- Methods mapping
  https://wiki.eclipse.org/File:MappingToNewAgentInterface.pdf
- Sample headers of a split agent interfaces according to responsibilities:
  https://wiki.eclipse.org/File:AgentInterfaceSplit.zip

- Discussion
    - clustering is generally a good idea
    - Interface separation is generally a good idea
    - differentiation of component types (algo, sensor)
    - WorldInterface will be banned from component's constructor

Post-meeting remarks

- in-tech completed the coding guidelines
- ITK suggests adding .gitattributes to root for fixing EOLs

ToDo

ITK

- distribute finalized repo structure
- distribute presented proposal for agent interface

VW

- review and complete repo structure (especially gui)

in-tech

- review repo structure
- provide updated coding guidelines:
- propose git references
- propose .clang: