Antitrust Policy Notice

> Eclipse Foundation meetings involve participation by industry competitors, and it is the intention of the Eclipse Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore important that attendees not participate in any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

> Examples of types of actions that are prohibited at Eclipse Foundation meetings and in connection with Eclipse Foundation activities are described in the Eclipse iFoundation Antitrust Policy available at https://www.eclipse.org/org/documents/Eclipse_Antitrust_Policy.pdf.

> If you have questions about these matters, please contact your company counsel, or if you are a member of the Eclipse Foundation, feel free to contact legal@eclipse.org.
1. Current developments
2. Release procedure
3. Requirement collection
   a. Repository structure
   b. Functionality and tasks of the core, the scenario engine and the API
   c. Modularity and standards on component level
1. CURRENT DEVELOPMENTS
2. RELEASE PROCEDURE

Strong delay in the publication of the latest releases
→ More releases with smaller changes
→ SC/AC decides whether a new release should be published
3.A) REPOSITORY STRUCTURE

Status quo

- simopenpass
- simopenpass_core
- simopenpass_GUI
- simopenpass_models (bicycle model, modular driver, AEB, ...)
- OpenSCENARIO1_Engine
- MantleAPI
- OSC1_Engine_Codegenerator
- YASE

Proposal

- simopenpass
- simopenpass_core
- simopenpass_GUI
- simopenpass_models (bicycle model, modular driver, AEB, ...)
- OpenSCENARIO1_Engine
- MantleAPI
- OSC1_Engine_Codegenerator
- YASE
Current functionalities and tasks of the simulation core:

The core consists of the simulation manager and the simulation executable
- Simulation manager (opSimulationManager.exe):
  - collects and organizes input data
  - triggers one simulation process for each configured scenario/experiment
  - can start several experiments simultaneously
- The simulation executable (opSimulation.exe) is the one performing the actual simulation:
  - run several simulations for one stochastically changed scenario / experiment
  - Read all configuration files and provide the data to the corresponding modules / components
  - Load all needed / configured libraries (agent components, core modules)
  - Instantiate all configured agents and ensure the correct data exchange between the components and modules
  - schedule / trigger each component and module in the correct order
- Core components: spawner, driver, vehicle components, stochastics, world, collision, …
- Agent/model components: sensor, algorithm, dynamics

TÜV SÜD

Core
- Credibility assessment

Scenario Engine
- Parameter variation through an integration of OpenSCENARIO 1.1
- Short/Mid term: Parse OpenSCENARIO V1.0.0, V1.1.0 and V2.0 into an openPASS readable format
- Long term: Parse any scenario description language into an openPASS readable format

API
- 

General
- Visualization
3.C) MODULARITY AND STANDARDS ON COMPONENT LEVEL