Collaborative Innovation Days

2nd Workshop on Infrastructure Cloud – Operation and Services | workshop 09/06

2017

European Commission

Managing Automated Vehicles Enhances Network (MAVEN)

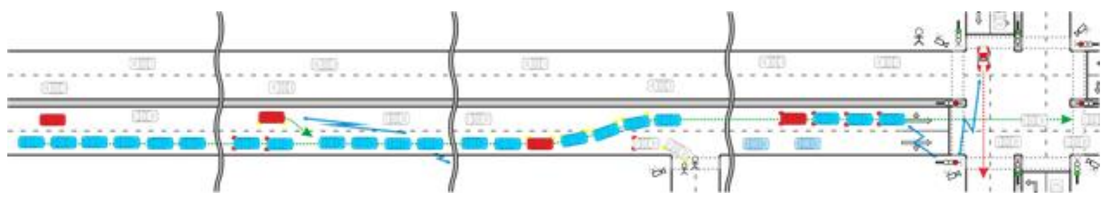
Introduction

In the future, automated road transport in urban areas will be dependent on connectivity and information exchange between automated vehicles and the road infrastructure. Maven is preparing for this future by researching solutions that will provide:

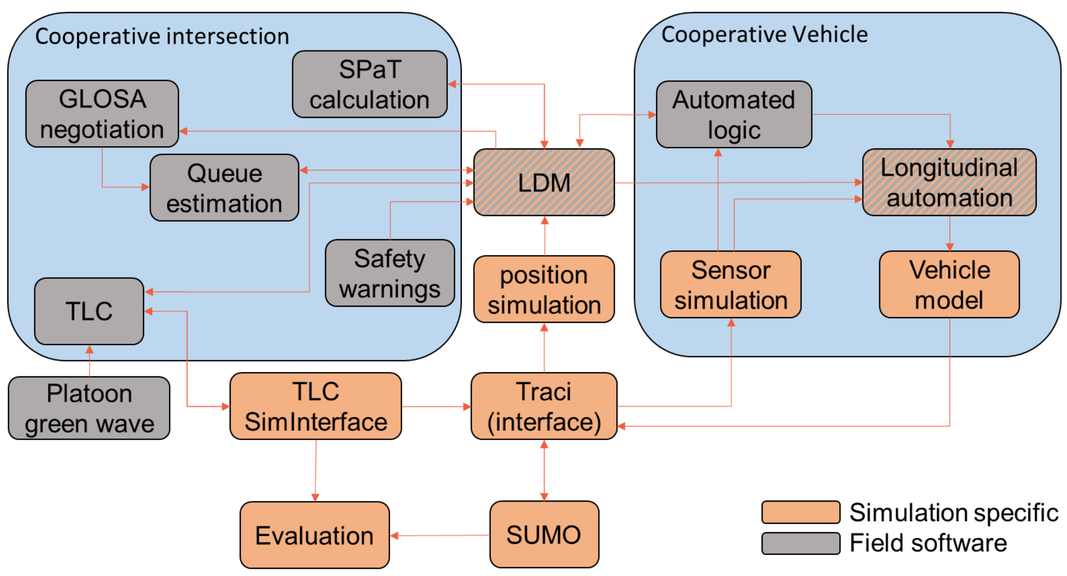
- Management regimes for automated driving in urban areas
- Monitoring, support and orchestration of movements of road users to guide vehicles at signalized intersections
- Further enhancement for ADAS, C-ITS applications and automated transport

Use Cases

- platoon orchestration (e.g. initialisation, lane change, termination)
- Green Light optimal Speed Advice
- enhanced queue modelling
- green wave with platoon priority



Architecture



Collaboration opportunities

- Helmond site – All major intersections equipped with RSUs and adaptive traffic control
- Braunschweigh – Extensive infrastructure detection on AIM site
- Simulations – SUMO scenario's Helmond, Braunschweigh, Prague and Greenwich
- Simulation software – Simpla released as open source to simulate CAV vehicle impact c
- Live data availability – Helmond and Braunschweigh RSUs transmit MAP/SPaT
  Possible to extend to connected through C-MobILE

MAVEN is looking for collaboration!

Contact: http://maven-its.eu/