ASAM OPENScenario 2.0 Concept Project

P2019-02
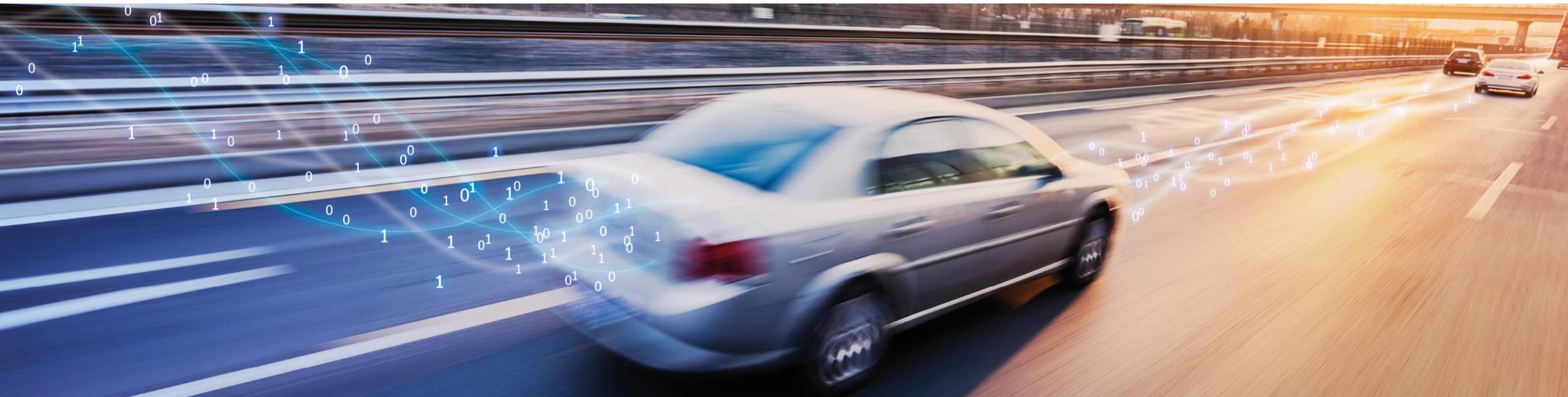
Release Presentation

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ASAM

Association for Standardization of
Automation and Measuring Systems

Agenda

1	Introduction

2	Motivation/Background

3	Concept Document

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Introduction

- TSC approved P2019-02 OPENScenario 2.0 Concept project: Apr-2019

- We report completion of the project, and availability of the Concept Document

- Asking for approval to release to concept document

- A development project proposal is ready and pending future TSC approval

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Motivation/Background

From the concept project proposal:

"Concept project focus:
- Focus on the set of 12 features as defined in the proposal workshop.
- Define architecture for the main scenario models, and interface to other required models (e.g. Environment, Driver, Traffic)
- Address varying levels of requirements for parametrization, accuracy
- Address different use cases of scenarios."

"We must meet an aggressive schedule, and present something to the world toward the end of Q4/2019:
- Core architecture and core concepts to be completed until Q4/2019

Tentative project duration until Q2/2020, so that not so critical subgroups (or topics) can continue their work if needed, while standardization projects based on already clarified concepts can start earlier."

A concept project of this size and scope is a novum for ASAM, hence there is increased timeline risk, which is taken into account in this tentative planning.

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OPENScenario Concept document

- OPENScenario 2.0 Concept document was completed by end of February.

- Document was released to project review in January,

- A full day project review took place on Feb-17

- Issues resolved and document is complete and available

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Concept Document content

Table of Contents

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Relation to Other Standards

- Forward looking coordination with OSC 1.x discussed and agreed in Simulation Coordination Group

- On going interaction with ISO WG9 – Test Scenarios

- SAE interaction in the background.

BACKUP SLIDES

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Deliverables - Planned vs. actual

- The overall expected outcome of the project is a wide set of concept documents.
  It is expected that the content of these document will be close to a draft proposal for a standard.

- Full/Primary Concept document containing:
  - High-level description of the full system
  - Block diagram of the models and their interactions
  - ~~Description /Definition of a suite of tools (optional) that may be required for a complete solution (Architecture diagram)~~
  - Suite of Examples
  - Migration and/or backward compatibility concept description
  - Optional: Proposals for possible starting points and sources of IP – e.g. a number of participating companies might be interested in contributing existing in-house developments in terms of languages or frameworks to the standard.
- Driver and Traffic model concept ~~document.~~
- Weather, Environment models and Localization/Geographies concept ~~document(s).~~
- Vehicle Dynamics Model concept ~~document.~~
- Parameters and constraints handling concept ~~document.~~
- Measurements, Grading and Success criteria concept ~~document.~~
- Scenario creations methods and reuse concept ~~document.~~