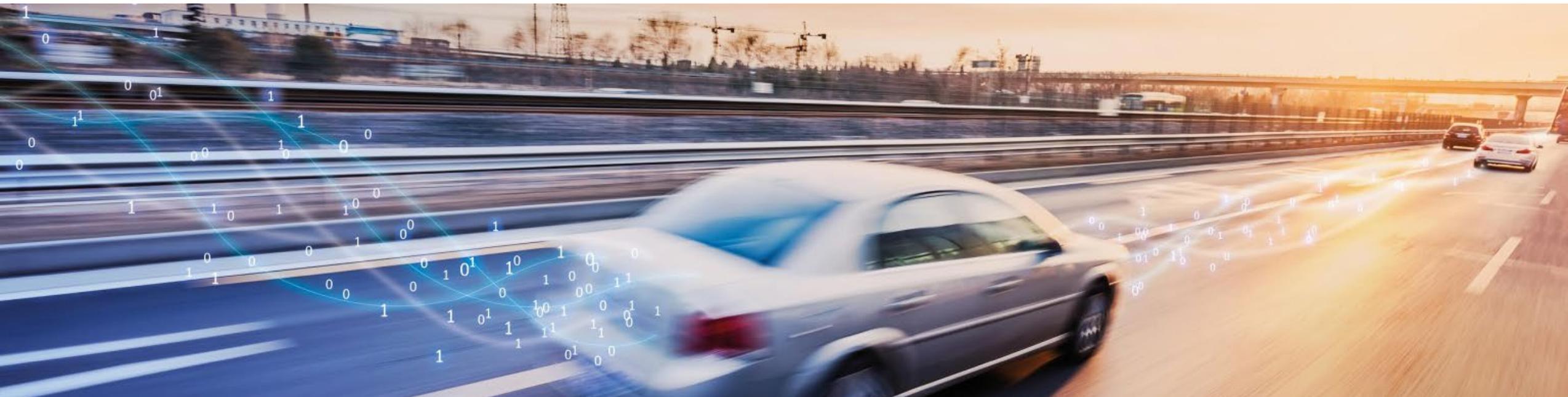


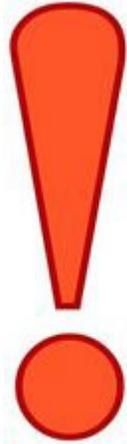
ASAM OpenSCENARIO V2.0.0

Public Release Candidate (PRC) kickoff webinar

Ben Engel
ASAM e.V.

17th January
14:00 – 17:00 CET





Disclaimer...

This webinar and all content being shared is being recorded, it will be published online and made freely available to the public.

Agenda

| Part 1: Intro and Overview | |
|--|---|
| 14:00 | Status of ASAM OpenSCENARIO V2.0.0 and the Public Release Candidate (PRC) |
| 14:15 | Overview of the standard |
| 15:15 | Submitting feedback on the standard |
| 15:30 | Mode of work for the PRC phase |
| 15:45 | Coffee Break (10 mins.) |
| Part 2: Getting started with the Standard | |
| 15:55 | Implementation Q&A “Ask us anything”/ “Beat the expert” |
| 16:25 | Introduction to writing scenarios |
| 16:55 | Closing words |

The ASAM OpenSCENARIO V2.0.0 standard in a nutshell

- An easily extendable, declarative, domain specific programming language designed from the ground up for scenario descriptions
- The language supports abstract, logical and concrete levels of scenario abstraction
- Includes a domain model specifying entities with their properties and actions
- A series of guidelines on using and applying the language for different use cases

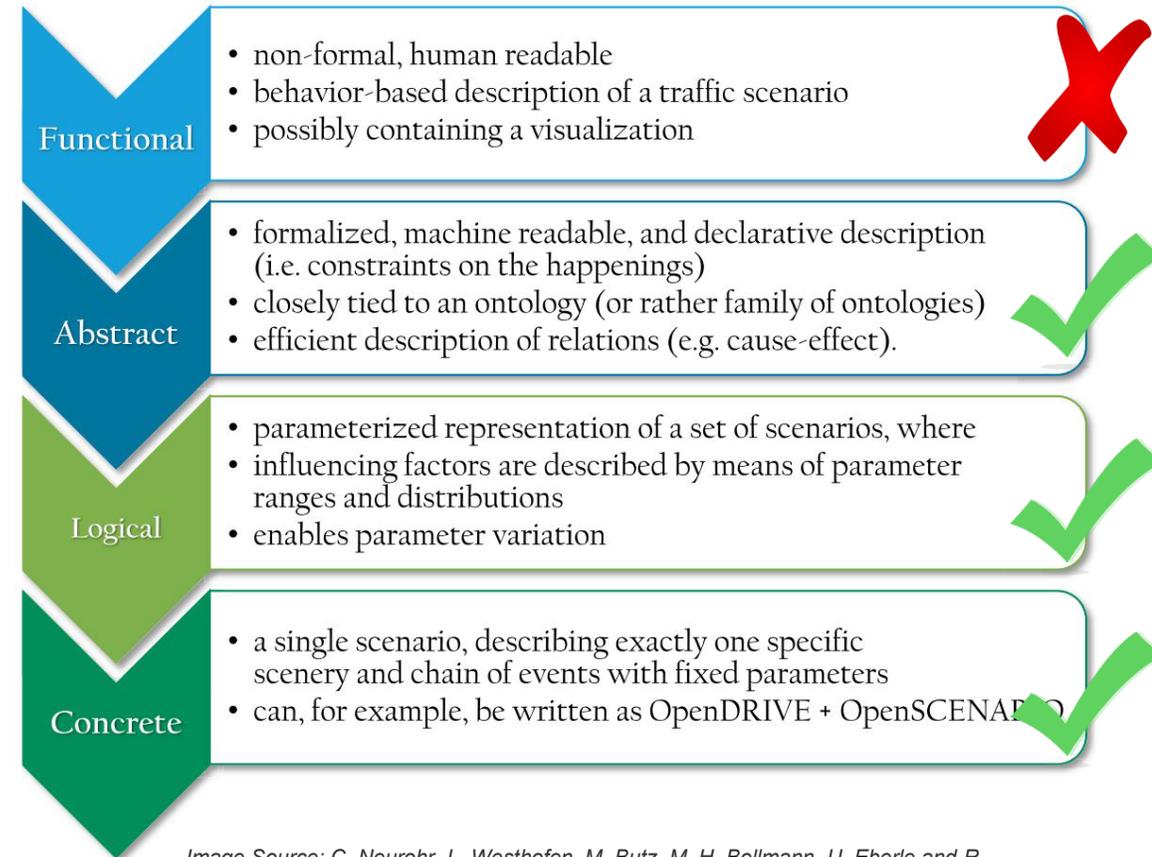
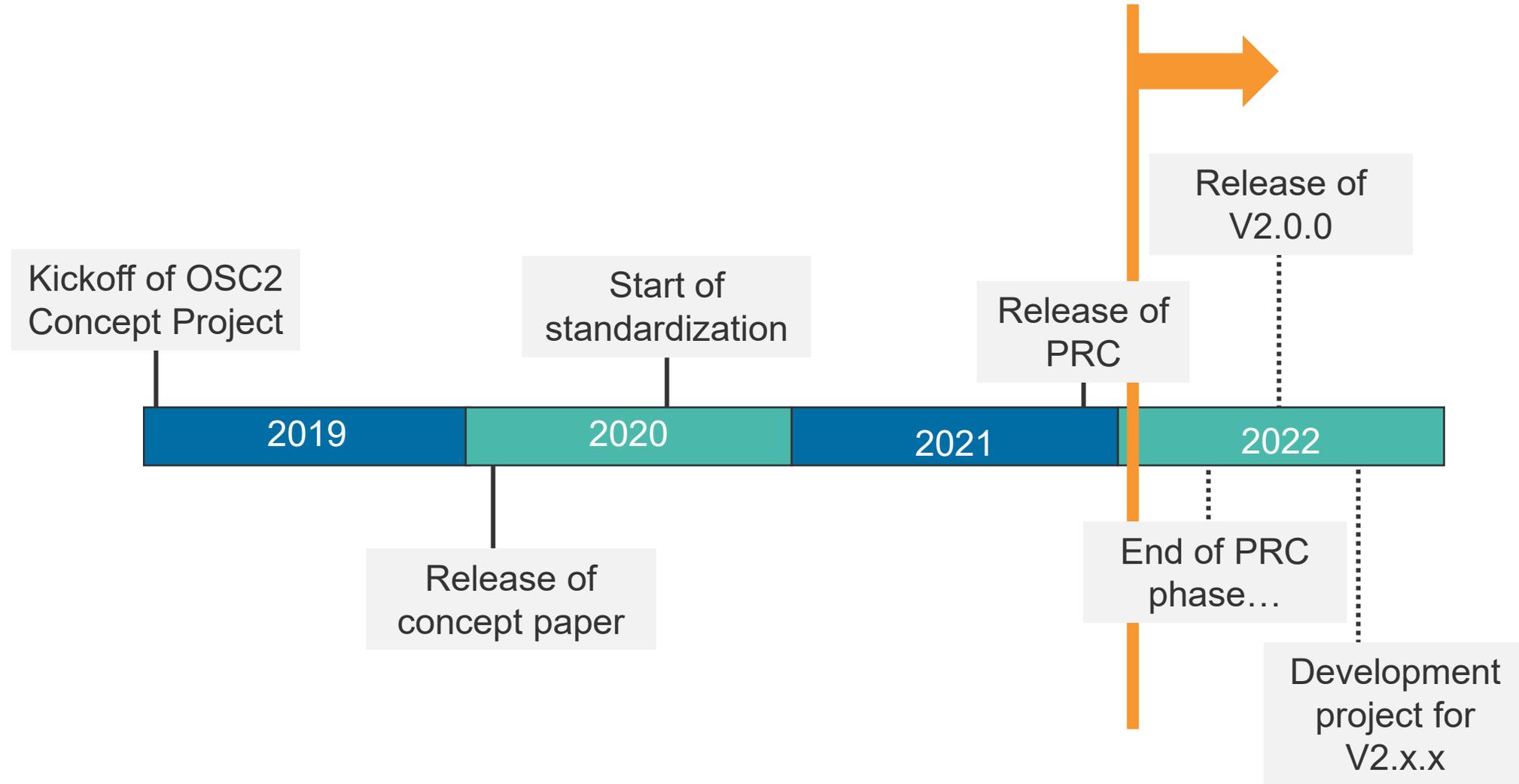


Image Source: C. Neurohr, L. Westhofen, M. Butz, M. H. Bollmann, U. Eberle and R. Galbas, "Criticality Analysis for the Verification and Validation of Automated Vehicles," in IEEE Access, vol. 9, pp. 18016-18041, 2021, doi: 10.1109/ACCESS.2021.3053159.

ASAM OpenSCENARIO 2.0.0 so far...



What next?

- Release of the standard as a Public Release Candidate (PRC)
- Timeframe for now: 3 months (end of Q1 2022)
- ASAM OpenSCENARIO has reached a state where it is ready to enable useful implementations.
[As every technology, it will require future improvements and releases]
- BUT, due to the scale of the standard and the groundbreaking feature set, together with considerations of the existing landscape, we might have missed something in the design. Some examples...
 - The language grammar allows combinations of constructs where no clear semantics are defined
 - Combinations of various actions and modifiers may not be clear enough

What next?

- This is a phase that allows users/implementers to start applying the standard while still being able to submit feedback
- Core goal of the phase: proactively focus on implementations – in order to uncover issues and inconsistencies.
- No major changes are planned
- Minor changes will take place : documentation improvement, clarification, minor fixes
- We do intend to improve the wording on the standard documents during this phase, better alignment and consistency between sections.
- Should major problems be uncovered, the project will attempt to address them in a non-breaking way, but if this is unfeasible the project reserves the right to make breaking changes
- Bottom line: Consistency/coherency of the standard is a major goal for the phase.

What next?

- Goal of the PRC: Make the standard available to the public and collect feedback from ‘fresh’ eyes, possibly identifying hidden issues that are only visible from the perspective of an implementer or user
- We need your feedback!
- We want to support the feedback generation as much as possible
- More on how we plan to do this shortly...

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