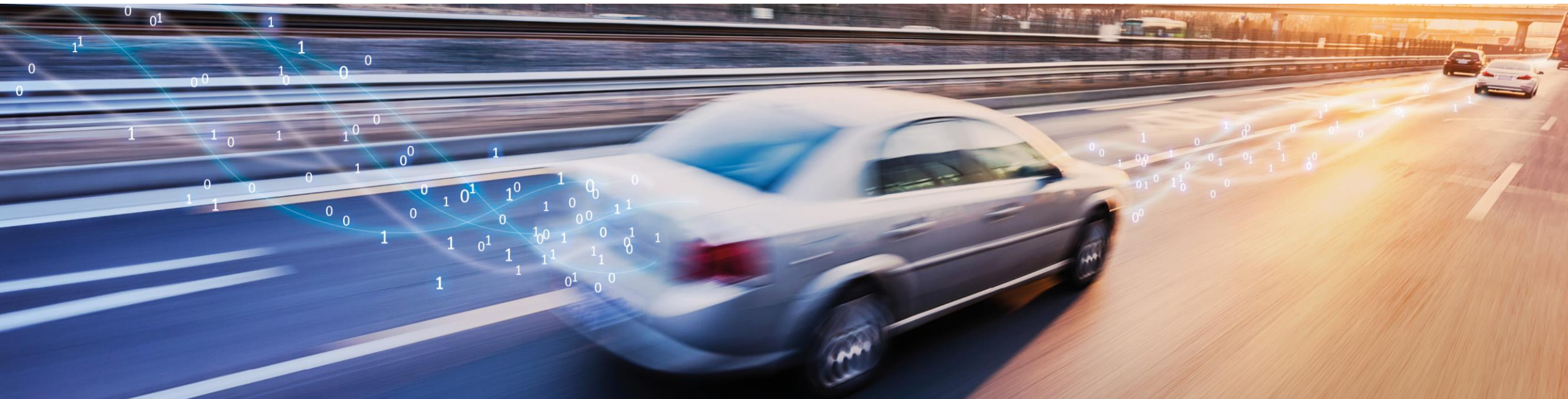


Session D

Transfer Project for OpenCRG

Thomas Thomsen
Global Technology Manager, ASAM e.V.

15.01.2019
Höhenkirchen, Germany



Current Status of OpenCRG

- Delivery content: User Manual, C-Sources, M-Sources.
- Current version
 - Released: 26.05.2017
- User Manual:
 - Some introductory text.
 - Description of the CRG file format.
 - Description of the C-API
 - Description of the M-API
- IP ownership: transferred from VIRES to ASAM in 2018.
- Purpose of transfer:
 - OpenCRG to become a standard of the public domain.
 - All future versions developed and distributed by ASAM.

Next Step: Transfer Project

Includes:

- Mandatory work.
- Recommended work.

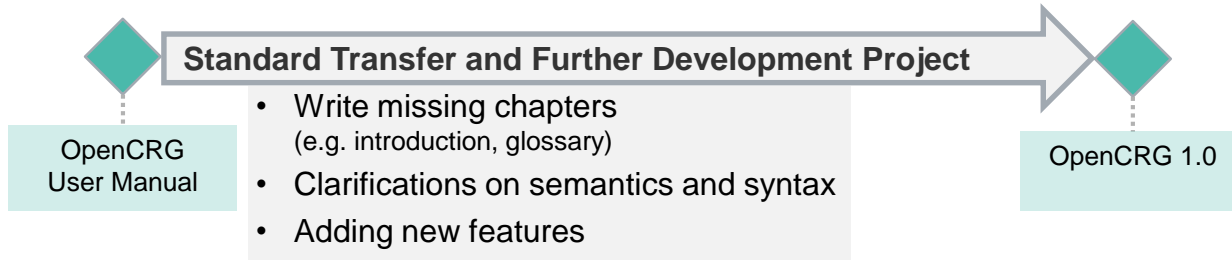
Transfer Project - Mandatory Work

1. Transfer of the document to the ASAM standards template, including adjustment of document styles.
2. Extracting the normative parts of the User Manual and creating the ASAM OpenCRG standard from them.
3. Addition of the mandatory chapters:
 - Relation to Other Standards
 - Terms and Definitions
 - Symbols and Abbreviated Terms
 - Bibliography
 - Appendix with at least figure and table directories

Transfer Project - Recommended Work

4. Clarifications on semantics and syntax, e.g. ambiguities and errors.
5. Adding new features.
6. Developing C- and M-code to support new features.
7. Testing and potentially migrating the code to support the latest ANSI-C and MATLAB versions.
8. Extend the introductory chapters with:
 - description of areas of application
 - use-case definitions
 - list of limitations and open issues

ASAM OpenCRG Roadmap



Features & Requirements for OpenCRG

Requirements

- R001: Harmonize the reference line definition with OpenDRIVE
- R002: Allow wide roads with high curvature
- R003: Show reference line on maps from multiple map-providers

Features

- F001: Georeferencing
- F002: Multiple Data Layers
- F003: Special Areas

Discussion

Questions, comments or changes to the proposed transfer project?

- None

Discussion

Do you agree to the recommended work items and new features?

- There is 100% support among those companies, who would participate in a project.

Features

- F001: Georeferencing
- F002: Multiple Data Layers
- F003: Special Areas

Discussion

Proposals for any new or changed content?

- None

Key Points for Project Planning

Is there a heightened likelihood that your company would send an expert to this project?

- 5 companies would participate in a project group to implement the features.

Key Points for Project Planning

Volunteer for document ownership?

- 3D Mapping Solutions

Key Points for Project Planning

Volunteer for developing C- and M-code to support new features?

- None.

Key Points for Project Planning

Volunteer for testing and potentially migrating the code to support the latest ANSI-C and MATLAB versions?

- None

Key Points for Project Planning

Volunteer for writing the project proposal?

- 3D Mapping Solutions

Thank you!

Thomas Thomsen

Global Technology Manager, ASAM e.V.

Phone: +49 8102 8061 64

Email: thomas.thomsen@asam.net

For more information
on ASAM visit

www.asam.net