VMAD SG2. Simulation/Virtual Testing

10° meeting

10 February 2021

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NATM Master Document Simulation Chapter

- New chapter 6 structure submitted to VMAD (v.1.20)

- New chapter adopted during VMAD 16 (15/01)

- NATM Master Document submitted to GRVA and adopted last week

- NATM Master Document submitted to WP29

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Remaining outstanding issues

Subgroup	Outstanding questions/issues/activities to address/develop	Target Completion date
Subgroup 2 (Simulation and virtual testing)	1. Provide an example of a simulation toolchain for virtual testing	January 2021
	2. **Define requirements and methods for simulation tool-chain validation. This includes: i) defining different approaches for ADAS and ADS (in case SG2 will also need to deal with ADAS virtual testing); ii) defining appropriate metrics evaluating toolchain accuracy; and iii) defining the type of scenarios used for toolchain validation**	**April 2021**
	3. **Define documentation requirements for vehicle manufacturers and ADS developers (including the establishment of a clear link with the audit pillar)**	**June 2021**
	4. Define standardization requirements to allow authorities performing in-house virtual testing (following activities carried out by ASAM and other associations)	December 2021+

How to validate a virtual toolchain

How to prove that the toolchain is validated

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Online documentation repository

- https://wiki.unece.org/display/trans/VMAD-9th+SG2+session

Call for inputs to validation

- RDW (10/02). Documentation requirements

- AVL (17/02)

- …

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Thank you

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