

Validation Methods for Automated Driving (VMAD) Informal Working Group: New Assessment/Test Method (NATM)

**United Nations Economic Commission for Europe (UNECE)
Working Party on Automated/Autonomous and Connected Vehicles (GRVA)**
August 7, 2020
WebEx

1. Purpose of Meeting



The intent of this meeting is to:

1. Review and discuss the papers prepared by SG1a (focusing Scenario); and
2. Outline the next steps and path forward for upcoming meetings as well as the process for further developing the NATM Master Document.

2. Wrap-up of VMAD8 (excerpt)



- VMAD IWG received presentations on draft concept papers from SG1a.
- SG1a was requested to elaborate the following questions.
 - Would it be necessary to consider further how to develop scenarios to be added to scenario database? Would criteria and ODD be necessary at this moment?
 - Would it be necessary to study common scenario description language? Existing language used by Pegasus, MUSICC, etc. can be used.
 - Would it be necessary to study common definitions? Existing definitions used by ISO, SAE, etc. can be used.
 - Would it be necessary to elaborate further on how to apply scenarios within the NATM?
 - Would it be necessary to clarify that the purpose of scenario is to assess that the ADS can cope with the situation happen under ODD?

2. Wrap-up of VMAD9 (note from co-Chairs)



- First, we work on (define, etc.) each pillar/element (Activity 1), then together with functional requirements developed by FRAV, we consider which and how test method is used to each functional requirement (Activity 2). This is partly because the functional requirements being assessed will have an impact on what test method is used (VMAD-08-03). With this understanding;
 - we will be engaged in the Activity 1 until September,
 - the result of the Activity 1 would be fed into the first part of the Master Document (result of VMAD10 on scenarios will mainly be fed into section 5 of the Master Document, that of VMAD11 on virtual testing into section 6, those of VMAD12 on Track testing, Real-world Testing, Audit & NATM Integration into section 7, 8, 9, 4 respectively), and
 - the Activity 2 will start after September GRVA and the result of the Activity 2 will mainly be fed into section 10 of the Master Document.

Questions & Comments?



Thank you and stay safe!