

Status report of the 3rd GRVA Workshops ADS

November 2024

Content

- Organizational aspects
- Structure of work
- Status update since October
- Items for discussion
- Future sessions

Organization aspects

- Leadership: Richard Damm, Chen Chunmei, Takashi Naono
- Ambassadors: Linda Rasmussen (Australia), Peter Striekwold (NL)
- Three tasks:
 1. Development of administrative requirements for GTR ADS
 2. Development of administrative requirements for UNR ADS
 3. Development of an interpretation document
- Planning:
 - first draft for task 1 & 2 available in January 2025
 - final version for task 1 & 2 available in May 2025

Structure and OPI's for GTR ADS

Detailed Task Decomposition Framework Structure and OPIs Table for GTR. (This file is expecting small changes as informed by Jiajie Wu in last OPI Meeting)			
Task	Topic	Description/comments	OPI
1	Statement of technical rationale	The task is to prepare a statement of technical rationale that can be included in a preamble to both the GTR and UNR. This section is specifically composed of the following parts, it should be summarized and concluded after the following main parts are completed.	Wu, Jiajie (CN), Support by Russ Shields (ITU)
/	Appendix:Development of GTR	The task is to prepare a document setting out how the GTR was developed covering these key headings	/
2	Introduction	The task is to provide an overview and clear and concise summary of the GTR. It should outline the objectives of the regulation, the reasons for its development, and the agreements made by CPs to develop such a GTR.	Zhang, Jiarui(CN)
3	Procedural background	The task is to list details of the procedural steps and historical context that led to the development of the GTR. It includes information on the meetings, discussions, and decisions that were part of the regulatory process.	Roy, Jean- Michael (CA)
4	Technical background	The task is to provide a comprehensive overview of the technical aspects relevant to the GTR. It includes detailed information on the technologies, systems, and engineering principles that underpin the regulation.	Zhou, Bolin (CN) Support by Dan Smith (SAE International)
5	Principle for developing the regulation	The task is to outline the fundamental principles and guiding philosophies behind the development of the GTR.	Roy, Jean- Michael (CA)
6	Technical rationale and justification	The task is to provide a detailed justification for the technical requirements specified in the GTR. It includes the rationale behind the technical standards, backed by data, research, analysis, etc.	Liu, Nan (CN) Support by Roy, Jean- Michael (CA)
/	Recommendations	/ (ADS IWG's Task)	/
/	Existing regulations, directives, and international voluntary standards	/ (ADS IWG's Task)	/
7	Benefits and costs	The task is to prepare a Benefit/Cost analysis that can support contracting parties to implement the GTR and UNR in their national legislation. It may include an analysis of the positive and negative impacts on safety, environment, and industry, as well as the economic implications for manufacturers, consumers, and regulatory bodies accordingly.	Wu, Jiajie (CN), Claus Pastor (GERMANY), Support by Russ Shields (ITU)

Structure and OPI's for UNR ADS

Detailed Task Decomposition and OPIs table for the UN Reg. on ADS			
Para.	Topic	Description/comments	OPI
0	Introduction/preamble Tbc.	May be derived <i>mutatis mutandis</i> from the introduction prepared for the UN GTR	*Cristina Galassi (EC) was requested to take up this section as well in last OPI meeting
1	Scope	(Provided by the IWG on ADS)	/
2	Definitions	(Provided by the IWG on ADS)	/
3	Application for approval	The task is to draft the application for approval section of the UN R, including references to application forms and information documents as set out in annexes	Ramon Gouweleeuw (NL)
4	Approval	The task is to draft the approval section of the UN R – this sets out the grounds on which a type approval authority will be satisfied and must issue an approval	Matt Claydon (UK)
5	Requirement	(Provided by the IWG on ADS)	/
6	Test	(Provided by the IWG on ADS)	/
7	Modification and extension of TA	The task is to draft the modification of vehicle type and extension of approval section of UN R – will require research to determine aspects of vehicle type that may affect compliance	Cristina Galassi (EC) + H. Matsukawa (JP)
8	Conformity of Production	The task is to draft the conformity of production section of the UN R	Cristina Galassi (EC) + H. Matsukawa (JP)
9	Penalties for non-conformity of production	The task is to draft the penalties for non-conformity of production section of the UN R – should be based on standard wording	Cristina Galassi (EC) + H. Matsukawa (JP)
10	Production definitively discontinued	The task is to draft the production definitively discontinued section of the UN R	Cristina Galassi (EC) + H. Matsukawa (JP)
11	Names and addresses of the Technical Services responsible for conducting approval tests and of the Type Approval Authorities	The task is to draft the names and addresses of technical services section of the UN R – should be based on standard wording	Cristina Galassi (EC) + H. Matsukawa (JP)
A1	Communication & Information Document	The task is to draft the communication and information annex of the UN R	Ramon Gouweleeuw (NL)
A2	Arrangement of Approval Marks	The task is to draft the Arrangement of approval marks annex of the UN R	Matt Claydon (UK)

Previous Workshop sessions

- 1st Workshop (Online): held 5 June 2024 - [Link](#)
 - Organizational matters clarified
- 2nd Workshop (Online): held 10-11 September 2024 - [Link](#)
 - Review of some initial input
 - Call for additional volunteers
 - Review of the OICA presentation on the “ADS Regulatory Approach”

Outcome 3rd Workshop 15+16 October (Hybrid, Beijing)

Documents: [Link](#)

UN GTR:

- draft prepared by China together with experts from Canada, Germany, ITU, SAE.
- draft presented and discussed.
 - suggestions for next version with regard to cost/benefit, inclusion of Type Approval in the description and text on AI.

Outcome 3rd Workshop 15+16 October (Hybrid, Beijing)

UNR:

- draft prepared by Japan, UK and the Netherlands.
- draft presented and discussed.
 - proposed text for scope will be discussed with IWG ADS.
- separate proposal from UK underlined the potential risks of both generic requirements (different interpretations, mutual recognition) and national/regional legislation (e.g. traffic rules)
- updated OICA proposal for adding feature approval on top of vehicle approval.
 - request to OICA to involve other participants in this proposal and see if this could become an interpretation (Task 3)

Special thanks!

- The participants in Beijing had some great opportunities driving in different driverless vehicles in normal traffic. All rides went very smooth.
- In addition, a symposium on automated driving systems was organized. Many participants from industry, authorities and science were present. Interesting presentations and demonstrations

Items for discussion in IWG ADS

- Request to OPIs from both groups (IWG and WS) to start reading the draft documents from the other group

Future sessions

	2024						2025											
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WP.29 sessions					12-15 UN				4-7 UN			24-27 UN					18-21 UN	
GRVA sessions			23-27 UN				20-24 UN				19-22 TH	2-6 TH			22-26 UN			
Deliverables									ADS IWG Draft Docum ent of conten t				ADS + WS Inform al Docum ent			ADS + WS Formal Docum ent		
ADS IWG sessions	9-12 EC			8-11 UK		9-13 RoK		17-19 Web		14-18 JP	19-21 Web		7-11 FIN		Early Sept. Web	6-10 CND	xx Web	8-12 ASIA (locati on TBC)
									WS Draft Docum ent of conten t									
GRVA ADS Workshops			10-11 Web	15-16 CN		17+19 Web		13-14 Web	25-26 Web			9-10 Web			18-19 GVA		4-5 Web	

Legend –
 UN – UN office, Geneva
 EC – European Commission, Brussels
 CN – China
 UK – United Kingdom
 JP – Japan
 RoK – Republic of Korea
 TH – Thailand
 Web – Online Meeting

In-Person event only

Hybrid Session

Web-only sessions