

Progress report of the informal group on Automated Driving Systems and the GRVA Workshops on Automated Driving Systems

Addendum

The text reproduced below is based on GRVA-19-41, which was submitted by the chairpersons of the informal group on ADS and the chairpersons of the GRVA Workshops on ADS. It contains the progress report to AC.3. on the development of a new UN GTR on ADS (ECE/TRANS/WP.29/AC.3/64).

I. Objective of this proposal

1. The representatives of China, Canada, the European Commission, Japan, the United Kingdom of Great Britain and Northern Ireland and the United States of America proposed the development of a UN Regulation and a UN GTR on Automated Driving System (ADS).

This activity is based on the work and results of the two informal working groups Functional Requirements for Automated and Autonomous Vehicles (FRAV) and Validation Methods for Automated Driving (VMAD) and their joint deliverable, namely the FRAV-VMAD integrated document (ECE/TRANS/WP.29/2024/39).

II. Background

2. At the 191st session of the World Forum for Harmonization of Vehicle Regulations and the 68th session of the Executive Committee of the 1998 Agreement in Nov. 2023, WP.29 adopted a proposal for the regulatory approach for Automated Driving Systems (WP.29-191-30/Rev.1), including among others, the collaborative development of a UN GTR as well as UN Regulation for ADS until 2026 with the establishment of an IWG on ADS and the organisation of at least two ADS related two-days-workshops per year by GRVA

3. The amendments to the programme of work and the framework document on automated/autonomous vehicles were adopted equally (WP.29-191-31, WP.29-191-32).

4. At the 18th session the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) the regulatory approach for Automated Driving Systems was discussed as adopted by WP.29. GRVA discussed about the establishment of a bureau composed by Canada, China, European Commission, United Kingdom, Japan, and the United States of America to lead the activity. GRVA adopted the draft terms of reference for the IWG on ADS and the WS on ADS and submitted them to WP.29 (GRVA-18-41/Rev.2 and GRVA-18-42/Rev.2).

5. At the 192nd session of the World Forum for Harmonization of Vehicle Regulations and the 69th session of the Executive Committee of the 1998 Agreement in March 2024, WP.29 noted that the IWG on ADS would be sponsored and led by Canada, China, European Commission, Japan, United Kingdom of Great Britain and Northern Ireland and the United States of America. WP.29 also noted that the secretariat services would be provided by the representatives of AAPC, OICA, JASIC and SAE International. The IWG on ADS will develop the technical requirements for the ADS regulation. The Workshop will develop the administrative requirements for the ADS regulation. Two ambassadors (from Australia and

the Netherlands) are tasked to align the activities of the IWG on ADS and the Workshops, and evaluate the progress of both activities.

6. WP.29 during the same session adopted an amendment to the Framework Document on automated/autonomous vehicles (ECE/TRANS/WP.29/2024/33 based on informal document WP.29-191-31).

7. AC.3 endorsed at its 69th session the request authorization to develop a new UN GTR on ADS (ECE/TRANS/WP.29/2024/38, ECE/TRANS/WP.29/AC.3/62).

8. The first meeting of the Workshop on ADS took place on 5 June 2024. The main outcome of this meeting was to inform the participants about the mandate and tasks, to define the organization and methods for carrying out the three tasks, to prioritize the tasks, and to set a schedule.

9. The second meeting of the IWG on ADS was held on 17 May online.

10. The activities to draft a UNR and a GTR on ADS were reported during the 19th session of GRVA in May/June 2024. The status report (GRVA-19-52) of the IWG on ADS was endorsed. It was explained that sections of the regulation under development were assigned to Officers of Principle Interests (OPIs) with a specific role. The first Workshop took place on 5 June 2024.

The expert from OICA provided views and considerations for an Automated Driving System (ADS) regulation (GRVA-19-34). GRVA advised act under both the 1958 and the 1998 Agreements and to discuss this document at a future session of the IWG on ADS.

11. The first Workshop on ADS took place on 5 June 2024 under the leadership of the Chair and Vice-chairs of GRVA. The Ambassadors from Australia and the Netherlands including the Secretariat supported the management of the discussion. This workshop was intended to clarify mainly organizational matters for the tasks of the workshop.

12. At the 193rd session of the World Forum for Harmonization of Vehicle Regulations and the 70th session of the Executive Committee of the 1998 Agreement Canada on behalf of the sponsoring countries informed delegates about the ongoing activities of the informal group on ADS. The delegates were informed about the first meeting and the management of the group. The information was given that the second meeting was planned as web conference for 17 May 2024 to start the technical discussion and to transpose the integration document into text for the regulations on ADS. The third meeting would be held from 9 to 12 July 2024 in Brussels hosted by the European Commission, also with the possibility of online participation (hybrid format).

13. From 9 to 12 July 2024 the 3rd IWG on ADS session was held in Brussels. The IWG reviewed the progress of Phases 1 to 3. Phase 1 is set to conclude by December, focusing on ADS requirements. Phase 2 will begin in July, addressing regulatory provisions and test methods, also aiming for December completion. Phase 3 will start later in 2024 and finish by May 2025, including discussions on open issues.

13.bis Key discussions included the core document (ADS-03-10rev.2), with agreements on the scope for the UN regulation and preparations for the GTR. Unfinished business was categorized for further discussion, and OPIs were assigned tasks for Phase 2. Industry representatives presented principles for ADS regulation, initiating discussions that will continue in future meetings.

14. The 2nd Workshop on ADS was held online on 10-11 September 2024. The main outcome of the meeting was to monitor the progress on the tasks 1 and 2 and prepare for the 3rd Workshop scheduled as an in-person (hybrid) meeting in Beijing.

15. The fourth session for IWG on ADS was held in London from 8-11 October 2024. The IWG has been moving in phases. The first phase concerns the review and transposition of the ADS guidelines into common (1958 and 1998 Agreement) regulatory provisions (with a first step focused on requirements and second step on assessment methods/processes). The IWG expects to complete this first phase by the end of the year. The second phase concerns

the transposition of the common provisions into UN GTR and UN Regulation texts plus the integration of the GRVA ADS WS outcomes into the respective texts. The IWG has appointed volunteers as officers of principal interest (OPI) to prepare draft proposals for IWG consideration. The last IWG meeting of 2024 will take place in Seoul during 9-13 December.

16. The third workshop on ADS was held in Beijing on 15-16 October 2024 in hybrid mode. The workshop reviewed the progress done by OPIs and their submissions of proposals towards tasks 1 and 2. The next forth workshop is being planned as an online meeting in December 2024.

III. Subjects for review and tasks to be undertaken

17. The informal working group has divided its work and tasks in three phases:

Phase 1

- Collating existing standards
- Scope, purpose and definitions
- Safety management system
- Performance of the dynamic driving task
- Interactions with users
- ADS safety assessment
- In-service monitoring and reporting
- Virtual testing credibility assessment

Phase 2:

- Audit
- Testing
- Safety assessment
- In-service monitoring and reporting
- Provisions relevant to CS/OTA, EDR/DSSAD, AVC and FADS

Phase 3 (*to be further specified and detailed at a later stage*):

- Open items
- New issues

18. The three deliveries of the Workshop on ADS are the development of the administrative requirements for the GTR ADS, likewise for the UNR ADS and the development of an interpretation document. The work was divided in tasks and topics:

<i>Task</i>	<i>Topic</i>
1	Statement of technical rationale
2	Introduction
3	Procedural background
4	Technical background
5	Principle for developing the regulation
6	Technical rationale and justification
7	Benefits and costs

IV History of the discussions

19 During the 1st session of the IWG on 22nd April, which was held as online conference, the work plans and a draft structural framework referring to the ADS GTR and UNR content were explained based on the specific sections (ADS-01-03), especially for the sections “General requirements”, “Performance requirements/Test specifications” and “Assessment/Test procedures”. It was agreed to install “Officers of principal interest” (OPI) for each section. The OPI acts as a point of contact and a coordinator responsible for its section. The OPI will receive assistance of experts in ADS IWG.

The initial objective of the IWG is to transpose the existing guidelines (FRAV/VMAD integrated document) into draft regulatory requirements.

The GRVA Chair explained the setup, planning and tasks of the GRVA workshops (ADS-01-04). He introduced ambassadors from Australia and the NL who serve not only as point of contacts, but also give advice and recommendations to both the IWG and the WS.

The coordination between the IWG ADS and other related IWG such as TF AVC and TF FADS was discussed. As these activities are within GRVA, the ambassadors could take a role for coordination.

Areas of primary responsibility between the IWG ADS and the GRVA workshops were indicated during the discussion.

The IWG also agreed on the internal methodology for the work. It will hold sessions roughly every 2-3 months. Volunteers will serve as OPI to prepare draft content for specific sections and to act as points of contact to consolidate input from experts. The plan is to have a phased development with defined OPI tasks for work between the IWG sessions.

20. The 2nd meeting on 17th May was held as online conference. The main objective was to review and discuss the updated core document structure (ADS-01-03 and ADS-02-03).

The initial objective of the IWG to work on a “translation” of the Integration document into an UNR & GTR was further defined. While new and additional considerations not addressed yet in here may come up during the preparation, these shall become part of a “list of open issues” and be considered for follow up versions of the regulations (example: ADS interaction with other road users).

The items of Annex 10 of the Integration document (“parked items”) shall be prioritized based on both urgency and timing needed to be delivered. The guideline document (Task 3 of Workshop of IWG on ADS) can be used to address some of these items (example: template for description of an ODD).

21. First WS on ADS - 05 June 2024

The first GRVA Workshop on Automated Driving Systems was conducted as an online meeting in June 2024. This workshop brought together a diverse group of experts who engaged in an in-depth review of the three key tasks assigned by the Regulatory Approach for Automated Driving Systems, as outlined in document WP.29-191-31/Rev.1. The tasks discussed were as follows:

- (1). Drafting Administrative provisions for a UN Global Technical Regulation: The participants focused on identifying and discussing the essential provisions necessary for establishing a UN Global Technical Regulation. This included a detailed assessment of the technical rationale behind these provisions to ensure they bring harmony within regulatory approaches by contracting parties.
- (2). Drafting administrative provisions for a UN Regulation: The workshop to deliver drafting specific provisions for a UN Regulation. This task involved discussing various aspects, including marking requirements, that are crucial for compliance and identification purposes in the context of automated driving systems.

(3). Preparing a Guiding Document for Implementation: Another significant focus was on preparing a guiding or interpretation document that would assist in the implementation of these regulations. This document aims to clarify the regulations and provide practical guidance for stakeholders involved in the deployment of automated driving technologies.

In addition to these discussions, the workshop called for volunteers to take on the role of “Officers of Principal Interest” (OPI). These individuals will be responsible for developing the necessary paragraphs related to tasks (1) and (2), ensuring that the provisions are comprehensive and aligned with the overarching goals of the regulatory framework.

19. From July 9 to 12 the 3rd IWG meeting was held in Brussels, Belgium.

The status of work for the phases 1 to 3 was reviewed. Phase 1 covering the ADS requirements on the basis of the FRAV work is under progress. Plan is to finish it in December during the 5th meeting of the IWG. The activities for Phase 2 are starting in July and include the regulatory provisions for the ADS assessment and the test methods, both based on the VMAD work. It is also planned to finalise this task until December at the 5th meeting.

While the beginning of Phase 3 is scheduled for later in 2024, the plan is to finish it until May 2025. This includes the consideration of open issues in Annex 10 (“parked items”).

A main part of the 3rd meeting was to further work on the core document (ADS-03-10rev.2). While the scope for the UN regulation was agreed (categories M and N with regard to ADS), the scope of the GTR is under preparation with the objective to fix it at the 4th session. Further items under discussion were the critical occurrence, the safety management system, the safety assessment, the ADS performance of the DDT, the credibility assessment, the In Service Monitoring and Reporting requirements (ISMR) and the coverage of existing regulations, directives and international voluntary standards.

For the unfinished business and open issues, a categorization in three patterns was seen (new expressions needed during transformation, structural changes in the document, deeper discussion of new or open items issues)

The planning of phase 2 was further defined and OPIs were tasked for the assessment and test methods (SMS Audit, virtual, track, real-world testing, ISMR, safety assessment). For the incorporation of inputs from other IWG (CS/OTA, EDR/DSSAD, FADS/AVRS/AVSR, AVC) the responsibilities were agreed.

The forward planning includes major open issues that were identified during the discussion. These are going to be addressed at the following meetings. The schedule of IWG session was discussed and agreed with a specific timeline for the submission of contributions and task deliveries.

Industry presented “Considerations for ADS regulation - Basic principles and conceptual overview”. It led to a first discussion which will be continued during the further development, especially as general consensus was that this concept might need discussion by the GRVA Workshop given it is mainly a type approval consideration.

20. 2nd WS on ADS 10-11 September 2024

The second GRVA Workshop on Automated Driving Systems was held as an online meeting in September 2024. During this session, participants engaged in a comprehensive review of the initial contributions submitted by the volunteers who had taken on the role of Officers of Principal Interest (OPI). The workshop emphasized that the final wording of the provisions would evolve based on the feedback received during the review of the draft paragraphs, particularly in light of the advancements made by the Informal Working Group (IWG) on Automated Driving Systems (ADS).

Additionally, the workshop received a presentation from industry expert, who presented document on approach the regulation of Automated Driving Systems.

21. From October 8 to 11 the 4th IWG meeting was held in London, UK.

The ADS IWG continued its review and discussion of common provisions applicable under the 1998 and 1958 Agreements. During the session, the IWG agreed to a conceptual restructuring of the provisions based on Safety Management System (SMS), Safety Case, and In-Service Monitoring and Reporting (ISMR). The SMS concerns the manufacturer's management processes for ensuring ADS safety. The safety case demonstrates the application of the SMS to the ADS under assessment, including its design and intended uses (safety concept) and an evidence-based structured argument that the safety concept meets or exceeds the safety requirements. ISMR enables monitoring of ADS performance in the field for compliance with the safety requirements and to identify areas for improvement. Pursuant to a review of the information on SMS (i.e., SMS audit) and the safety case (i.e., safety assessment), the ADS would be subjected to selective testing (virtual, track, and real-world) to verify the manufacturer's documentation and evidence.

The IWG also received reports on the work of other informal groups, including Automated Vehicle Categorisation (AVC), Event Data Recorders and Data Storage Systems for Automated Driving (EDR/DSSAD), Regulation fitness for Automated Driving Systems (FADS), and the GRVA ADS WS. The IWG noted the need for consistency across all these activities with the ADS regulations under development. In particular, AVC is discussing categorisation of ADS features (i.e., Type I and Type II); EDR/DSSAD is developing DSSAD guidelines with the intent to integrate DSSAD provision into the ADS regulations; and FADS (including related AVRS/VSR activities) has identified obstacles to testing some ADS configurations under current regulations. The GRVA WS discussions raised comments on the SMS/Audit and Safety case/Safety assessment concepts: SMS covers management activities applicable across ADS while safety case/assessment is specific to the ADS under assessment. For efficiency, SMS validation pursuant to an audit might be applicable across ADS assessments to avoid unnecessary redundancy.

22. 3rd WS on ADS 15-16 October 2024

The third GRVA Workshop on Automated Driving Systems took place in October 2024, hosted by China in Beijing as a hybrid event. This workshop provided a platform for in-depth discussions on the proposals submitted by the designated Officers of Principal Interest (OPIs) concerning both the UN Global Technical Regulation and the UN Regulation.

During the workshop, the experts nominated as OPIs for the UN Global Technical Regulation presented a consolidated draft document outlining the technical rationale and justification for the proposed regulations. This document was thoroughly discussed, and valuable feedback was gathered from other experts in attendance. Similarly, the OPIs for the UN Regulation submitted a draft addressing the relevant paragraphs necessary for the regulation.

In addition to these draft documents, an industry expert presented a proposal for a new approach to the UN regulation on Automated Driving Systems. The participants acknowledged that while this new approach was important, it should not impede the ongoing work. Industry expert was tasked with preparing a more detailed version of the proposal in collaboration with other participants. One potential avenue for this proposal could be to frame it as an interpretation document, aligning with Task 3 of the regulatory framework.

Furthermore, the workshop addressed the status of the work and the need to synchronize efforts with the Informal Working Group on Automated Driving Systems (IWG-ADS). It was noted that progress on this synchronization could commence once draft structures become available. The participants agreed to revisit this topic in future workshops and during IWG-ADS meetings to ensure alignment and continuity in their efforts.

V. Work schedule

23. Work schedule

(Subject to changes)

	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			22-26 UN				
ADS IWG sessions	9-12 EC			8-11 UK		9-13 RoK		17-19 Web		14-18 JP		2-3 Web			16-18 UN			???
GRVA ADS Workshops			10-11 Web	15-16 CN		17-19 Web		13-14 Web		TBC		9-10 Web			15 & 19		3-4 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

Past sessions

Nov 2023	GRVA to seek consent of WP.29 and AC.3 to mandate a new informal group on ADS
Jan 2024	Proposal of Draft ToR to GRVA (informal documents)
Mar 2024	Adoption of Draft ToR by WP.29 and authorisation by AC.3
22 April 2024	1st IWG on ADS session (Web-only)
17 May 2024	2nd IWG on ADS session (Web-only)
May 2024	Progress Report to GRVA
5 June 2024	1st WS on ADS (Web-only)
June 2024	First Progress Report to WP.29
9 to 12 July 2024	3rd IWG on ADS session (Brussels, Belgium, hybrid)
10 to 11 Sept 2024	2nd WS on ADS (Web-only)
September 2024	Progress report to GRVA
8 to 11 Oct 2024	4th IWG on ADS Session (London, UK, Hybrid)
15 to 16 Oct 2024	3rd WS on ADS (Beijing, China, Hybrid)

Next meetings (IWG on ADS and WS on ADS)

- 5th IWG on ADS session, 9-13 December, Seoul
- 4th WS on ADS, 17 & 19 December, ONLINE
- 6th IWG on ADS session, February ONLINE
- 7th IWG on ADS session, 14-18 April (Japan)
- 8th IWG on ADS session, June
- 9th IWG on ADS session, September HYBRID
- 10th IWG on ADS session, October
- 11th IWG on ADS session, December

VI. Documents

24. Documents for the IWG on ADS meetings

- ADS-01-01 (Co-chairs) Invitation to the first ADS informal working group session
- ADS-01-02 (Co-chairs) Agenda for the first ADS IWG session
- ADS-01-03 (Co-chairs) Initial working document structure, contents, and OPI table
- ADS-01-04 (Co-chairs) GRVA workshops structure, tasks, planning, and IWG coordination
- ADS-01-05 (GRVA) ADS IWG terms of reference
- ADS-01-06 (WP.29) GRVA table from Programme of Work

ADS-02-01		Adopted wrap-up report of the first ADS session
ADS-02-02r2		Adopted agenda for the 2nd ADS session
ADS-02-03r1	(Chairs)	Initial structure for content development
ADS-02-04	(Secretariat)	Draft working table (scope, purpose, definitions)
ADS-02-05	(Chairs)	Orientation slides for the 2nd ADS session
ADS-03-01	(Secretary)	Wrap-up report of the 2nd ADS session
ADS-03-02r1	(Chairs)	Agenda for the 3rd ADS IWG session
ADS-03-03-rev1	(OPI)	Initial SMS requirements from ADS guidelines
ADS-03-04	(OPI)	Initial Safety Assessment requirements from ADS guidelines
ADS-03-05	(OPI)	Initial user safety requirements
ADS-03-06	(OPI)	ADS user interactions-open issues
ADS-03-07-rev.1	(OPI)	Directives, regulations, industry standards
ADS-03-08	(OPI)	Initial DDT performance requirements
ADS-03-09r1	(OPI)	Initial monitoring and reporting requirements
ADS-03-10r2	(Secretary)	Table of draft ADS safety provisions
ADS-03-11	(OPI)	Initial provisions concerning virtual testing credibility assessment
ADS-03-12	(OPI)	DDT performance open issues
ADS-03-13	(OPI)	FADS IWG status (inc. AVC task force)
ADS-03-14	(OICA/CLEPA)	Considerations for an ADS Regulation (Principles/concepts)
ADS-04-01	(Chairs)	Wrap-up report of the 3rd ADS IWG session
ADS-04-02r3	(Chairs)	Adopted agenda for the 4th ADS IWG session
ADS-04-03	(OPI)	ADS user interactions draft requirements
ADS-04-04r1	(OPI)	DDT performance proposals and open issues
ADS-04-05r1	(OPI)	Draft In-Service Monitoring/Reporting provisions
ADS-04-06	(OPI)	Progress of the ADS Safety Assessment workstream
ADS-04-07r1	(OPI)	Draft Safety Assessment provisions
ADS-04-08	(OPI)	Draft Safety Management System provisions
ADS-04-09	(OPI-SA)	Presentation-ADS Regulation Structure
ADS-04-10	(OPI)	Virtual Testing Credibility Assessment provisions
ADS-04-11	(OPI)	Initial Audit assessment provisions
ADS-04-12-r1	(OPI)	Presentation-Virtual Testing Credibility Assessment
ADS-04-13	(OPI)	Presentation-Test Methods
ADS-04-14	(Secretary)	Discussion table for ADS-04-07-Rev.1
ADS-04-15r2	(Secretary)	Consolidated table of draft provisions on ADS safety
ADS-04-16	(Waymo)	Safety Cases within a Regulatory Context
ADS-04-17	(OPI)	Draft listing of ADS-relevant standards, regulations, etc.
ADS-04-18	(OPI)	Example text for "standards, regulations" listing

ADS-04-19	(AVC)	Automated Vehicle Categorisation task force report
ADS-04-20	(OPI)	Draft provisions on user information
ADS-04-21	(OPI)	Presentation: ISMR provisions-Phase 1
ADS-04-22	(OPI)	Presentation: ISMR provisions-Phase 2
ADS-04-23	(UK DfT)	Report on GRVA Scenarios Workshops
ADS-04-24	(UK Dft)	Potential application of AV categories and ADS feature types
GRVA-20-20e	(Ambassador)	Status GRVA ADS Workshops

25. Documents for the Workshops on ADS

GRVA-WS01-01		(UNECE) Provisional agenda for the first GRVA Workshop on ADS
GRVA-WS01-02		(Secretariat) Slide deck prepared for the kick off meeting
GRVA-WS01-02/Rev.1		(Secretariat) Slide deck (reflecting the outcome of the workshop)
GRVA-WS02-01		(Secretariat) Provisional agenda prepared for the 2nd GRVA Workshop on ADS*
GRVA-WS02-01/Rev.1 Revision 1		(Secretariat) Provisional agenda prepared for the 2nd GRVA Workshop on ADS - Revision 1
GRVA-WS02-02		(Secretariat) Minutes of the first GRVA workshop on ADS
GRVA-WS02-03 Regulation on ADS		(OPIs) Input provided by the OPIs regarding the relevant paragraphs of a new UN Regulation on ADS
GRVA-WS02-03/Rev.1		(OPIs) Input provided by the OPIs regarding the relevant paragraphs of a new UN Regulation on ADS - Revision 1*
GRVA-WS02-04		(OPIs) UN GTR on ADS - Benefits and Costs section
GRVA-WS02-04/Rev.1		(OPIs) UN GTR on ADS - Benefits and Costs section - Rev. 1
GRVA-WS02-05 GTR		(Secretariat) Detailed Task Decomposition Framework Structure and OPIs Table for GTR
GRVA-WS02-05/Rev.1 - Revision 1		(China) Detailed Task Decomposition Framework Structure and OPIs Table for GTR - Revision 1
GRVA-WS02-06		(Japan) Status report of the 3rd IWG on ADS session
GRVA-WS02-07 for the UN Regulation		(Secretariat) Detailed Task Decomposition Framework Structure and OPIs Table for the UN Regulation
GRVA-WS02-08		(OICA/CLEPA) Considerations on a new approach for the ADS Regulation
GRVA-WS03-01/Rev.1		(Secretariat) Provisional agenda for the 3rd GRVA workshop on ADS
GRVA-WS03-02		(Secretariat) Minutes of the second GRVA Workshop on ADS
GRVA-WS03-03 on ADS		(Secretariat) Running order and tentative timetable for the third GRVA Workshop on ADS
GRVA-WS03-05		(China) Consolidated document with the OPIs input for the UN GTR
GRVA-WS03-06		(OPI (UK)) Peer review and mutual recognition
GRVA-WS03-07		(OPI (UK)) Approval and approval mark
GRVA-WS03-08		(ADS) Status report to the 3rd GRVA Workshop on ADS
GRVA-WS03-09		(OPI (China)) Approach for developing the UN GTR on ADS
GRVA-WS03-10		(OICA) Consideration on a new approach for the UN Regulation on ADS
GRVA-WS03-11		(OPI (NL)) Points of attention/ for the workshop

GRVA-WS03-12 (Secretariat) Detailed Task Decomposition Framework Structure and OPIs Table for GTR

GRVA-20-41 (Sponsors of the UN GTR and UN R on ADS) Draft status report to WP.29 and AC.3

GRVA-WS02-03/Rev.1 (OPIs) Input provided by the OPIs regarding the relevant paragraphs of a new UN Regulation on ADS - Revision 1*
