

Addendum 1 to GRVA-24-24

Fourth progress report

The text reproduced below is based on formal document ECE/TRANS/WP.29/2025/86 as amended by informal document WP.29-196-10/Add.1. It was transmitted by the chairpersons of the informal working group on Automated Driving System and the chairpersons of the GRVA Workshops on ADS and considered in June 2025. It contains the progress report to the Executive Committee of the 1998 Agreement (AC.3) on the development of a new UN Global Technical Regulation on ADS (ECE/TRANS/WP.29/AC.3/62).

I. Objective of this proposal

1. The representatives of Canada, China, the European Commission, Japan, the United Kingdom of Great Britain and Northern Ireland, and the United States of America have proposed the development of a UN Regulation and a UN Global Technical Regulation (GTR) on Automated Driving System (ADS).
2. This initiative builds on the work and results of two informal working groups: Functional Requirements for Automated and Autonomous Vehicles (FRAV) and Validation Methods for Automated Driving (VMAD). Their joint deliverable, the FRAV-VMAD integrated document (ECE/TRANS/WP.29/2024/39), forms the basis of this proposal.

II. Background

3. The World Forum for Harmonization of Vehicle Regulations (WP.29) adopted, at its 191st session and the sixty-eighth session of the Executive Committee of the 1998 Agreement (A.C.3) in November 2023, a proposal for the regulatory approach for Automated Driving Systems (WP.29-191-30/Rev.1). This approach included, among other things, the collaborative development of a UN Global Technical Regulation (GTR) and a UN Regulation for ADS by 2026, with the establishment of an Informal Working Group (IWG) on ADS and the organization of at least two ADS-related two-day workshops per year by the Working Party on Automated/Autonomous and Connected Vehicles (GRVA).
4. The amendments to the programme of work and the framework document on automated/autonomous vehicles were also adopted (WP.29-191-31, WP.29-191-32).
5. At the eighteenth session of the GRVA, the regulatory approach for Automated Driving Systems, as adopted by WP.29, was discussed. GRVA deliberated on the establishment of a bureau composed of representatives from Canada, China, the European Commission, the United Kingdom, Japan, and the United States to lead the activity. GRVA adopted the draft terms of reference for the IWG on ADS and the workshops on ADS, and submitted them to WP.29 (GRVA-18-41/Rev.2 and GRVA-18-42/Rev.2).
6. At the 192nd session of the World Forum for Harmonization of Vehicle Regulations and the sixty-ninth AC.3 session in March 2024, WP.29 agreed 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 the America Automotive Policy Council (AAPC), the International Organization of Motor Vehicle Manufacturers (OICA), the Japan Automobile Standards Internationalization Center (JASIC) and SAE International. It was agreed that the IWG on ADS would develop the technical requirements for the ADS regulations and that the GRVA Workshops on ADS would develop the administrative requirements for the two ADS regulations. Two ambassadors (from Australia and the Netherlands) were tasked to align the activities of the IWG on ADS and the Workshops and evaluate the progress of both activities.

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

8. AC.3 endorsed at its sixty-ninth 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).

III. Subjects for review and tasks to be undertaken

9. The informal working group has identified the following areas of work :

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

10. 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
/	Appendix: Documentation of development of GTR

IV. History of the discussions

A. 22 April 2024, first session of IWG on ADS, Online

11. During the first session of the IWG on 22 April 2024, held as an online conference, the work plans and a draft structural framework referring to the ADS GTR and UNR content were explained based on specific sections (ADS-01-03), particularly “General requirements,” “Performance requirements/Test specifications,” and “Assessment/Test procedures.” It was

agreed to appoint “Officers of Principal Interest” (OPI) for each section, who would act as points of contact and coordinators, receiving assistance from IWG on ADS experts.

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

13. The GRVA Chair explained the setup, planning, and tasks of the GRVA workshops (ADS-01-04). He introduced ambassadors from Australia and the Netherlands, who serve as points of contact and provide advice and recommendations to both the IWG and the WS.

14. Coordination between the IWG on ADS and other related IWG, such as the Task Force (TF) on Automated Vehicle Categorization and TF on the Fitness of UN Regulations and GTR for ADS (FADS), was discussed. As these activities are within GRVA, the ambassadors could play a role in coordination.

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

16. 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 act as points of contact to consolidate input from experts. The plan is to have phased development with defined OPI tasks for work between the IWG sessions.

B. 17 May 2024, second session of IWG on ADS, Online

17. The activities to draft a UN Regulation and a UN GTR on ADS were reported during the nineteenth session of GRVA in May/June 2024. The status report (GRVA-19-52) of the IWG on ADS was endorsed. GRVA noted that sections of the regulation under development were assigned to Officers of Principle Interests (OPIs) with a specific role.

18. 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.

19. At the 193rd session of the World Forum for Harmonization of Vehicle Regulations and the seventeenth AC.3 session, the representative of Canada, on behalf of the sponsoring countries, informed delegates about the ongoing activities of the informal group on ADS. He reported on 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. He added that 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).

20. The second meeting on 17 May 2024 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).

21. The initial objective of the IWG to work on a “translation” of the Integration document into an UN Regulation and a UN 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).

22. 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).

C. 5 June 2024, first GRVA Workshop on ADS, Online

23. The first GRVA Workshop on ADS took place on 5 June 2024 under the leadership of the Chair and Vice-chairs of GRVA, with support from the Ambassadors from Australia and the Netherlands and the secretariat. This workshop aimed to clarify organizational matters for the tasks, inform participants about the mandate and tasks, and define the organization, methods, prioritization, and schedule for the three tasks.

24. The workshop, conducted as an online meeting, 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:

- (1) *Drafting Administrative Provisions for a UN Global Technical Regulation: Participants focused on identifying and discussing the essential provisions necessary for establishing a UN Global Technical Regulation, including a detailed assessment of the technical rationale to ensure harmony within regulatory approaches by contracting parties.*
- (2) *Drafting Administrative Provisions for a UN Regulation: This task involved discussing various aspects, including marking requirements, 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 to assist in the implementation of these regulations, aiming to clarify the regulations and provide practical guidance for stakeholders involved in the deployment of automated driving technologies.*

25. 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.

D. 9-12 July 2024, third session of IWG on ADS, Brussels, Belgium.

26. The third IWG on ADS session was held in Brussels from 9 to 12 July 2024. The IWG reviewed the progress of Phases 1 to 3. Phase 1, focusing on ADS requirements, was set to conclude by December 2024. Phase 2, addressing regulatory provisions and test methods, was planned to begin in July and also aimed for completion in December 2024. Phase 3, starting later in 2024, aimed to finish by May 2025, including discussions on open issues.

27. 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.

28. The status of work for Phases 1 to 3 was reviewed. Phase 1, covering ADS requirements based on the FRAV work, was in progress with a plan to finish in December during the fifth IWG meeting. Phase 2 activities, starting in July, included regulatory provisions for ADS assessment and test methods based on the VMAD work, also planned to finalize by December at the fifth meeting.

29. Phase 3, scheduled to begin later in 2024, aimed to finish by May 2025, including consideration of open issues in Annex 10 (“parked items”).

30. A main part of the 3rd meeting was to further work on the core document (ADS-03-10rev.2). The scope for the UN Regulation was agreed (Categories M and N with regard to ADS), while the scope of the GTR was under preparation with the objective to finalize it at the fourth session. Further items under discussion included critical occurrences, the safety management system, the safety assessment, ADS performance of the DDT, credibility assessment, In Service Monitoring and Reporting requirements (ISMR), and coverage of existing regulations, directives, and international voluntary standards.

31. Unfinished business and open issues were categorized into three patterns: new expressions needed during transformation, structural changes in the document, and deeper discussion of new or open items.

32. The planning of Phase 2 was further defined, and OPIs were tasked with assessment and test methods (SMS Audit, virtual, track, real-world testing, ISMR, safety assessment). Responsibilities for incorporating inputs from other IWG (CS/OTA, EDR/DSSAD, FADS/AVRS/AVSR, AVC) were agreed upon.

33. Forward planning included addressing major open issues identified during the discussion. The schedule of IWG sessions was discussed and agreed upon, with a specific timeline for the submission of contributions and task deliveries.

34. Industry presented “Considerations for ADS regulation - Basic principles and conceptual overview,” leading to a first discussion that will continue during 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.

E. 10-11 September 2024, second GRVA Workshop on ADS, Online

35. The second Workshop on ADS was held online on 10-11 September 2024. The main outcome was to monitor the progress on tasks 1 and 2 and prepare for the third workshop scheduled as an in-person (hybrid) meeting in Beijing.

36. 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 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).

37. Additionally, the workshop received a presentation from an industry expert on the approach to regulating Automated Driving Systems.

F. 8-11 October 2024, fourth session of IWG on ADS, London, UK.

38. 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, focusing first on requirements and then on assessment methods/processes. This phase is expected to be completed by the end of the year. The second phase involves transposing the common provisions into UN GTR and UN Regulation texts and integrating the GRVA ADS WS outcomes into these texts. Volunteers have been appointed as Officers of Principal Interest (OPI) to prepare draft proposals for IWG consideration. The last IWG meeting of 2024 will take place in Seoul from 9-13 December 2024.

39. The ADS IWG continued its review and discussion of common provisions under the 1998 and 1958 Agreements. 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 identifying areas for improvement. Following a review of the 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.

40. 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 provisions 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.

G. 15-16 October 2024, third GRVA Workshop on ADS, Beijing, China

41. The third workshop on ADS was held in Beijing on 15-16 October 2024 in hybrid mode. The workshop reviewed the progress made by OPIs and their submissions of proposals towards tasks 1 and 2.

42. During this session, participants engaged in 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. The 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.

43. An industry expert presented a proposal for a new approach to the UN Regulation on ADS. The participants acknowledged the importance of this new approach but emphasized that it should not impede ongoing work. The 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.

44. The workshop also 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.

H. 9-13 December 2024, fifth session of IWG on ADS, Seoul, Republic of Korea

45. The 5th session of the Informal Working Group (IWG) on Automated Driving Systems (ADS) was held from December 9-13, 2024, in Seoul, chaired by representatives from Japan with participation from various countries and organizations. The primary focus was on advancing the development of UN regulations and Global Technical Regulations (GTR) for ADS, addressing key regulatory challenges, and ensuring the safety and reliability of ADS technologies. Participants included experts from government, industry, and international organizations. Each OPI presented their work for review and discussion. Significant progress was made in several areas, including the topic of the dynamic driving task.

46. Several critical topics were discussed in detail. The session began with an overview of the status of work on ADS regulations, highlighting progress and challenges. Japan presented the foundational principles of the ADS regulations, elaborating on the role of liability and the judiciary in ADS safety. Canada emphasized that vehicle safety falls within their jurisdiction, while liability issues do not. The EC raised questions about the acceptable level of safety for ADS compared to human drivers, underscoring the complexity of defining "how safe is safe enough."

47. Germany presented the approval process for defined operating areas, involving a three-step process: vehicle approval, approval of the defined operating area, and vehicle registration. Participants discussed approaches among countries, noting the need for harmonization of ADS requirements across different jurisdictions and expressing a desire to share documents and experiences.

48. The session also delved into the safety concept and safety case, with Canada presenting updates on document structure and harmonization. The discussion highlighted the importance of separating provisions on products and processes and the need for clear documentation requirements. Amendments to the Safety Management System (SMS) provisions were proposed and approved to enhance post-deployment processes, safety assurance, and safety promotion. The idea of introducing certification for the SMS system, like UN Regulation 157, was supported, though it might require further elaboration and could be discussed in future workshops.

49. Virtual testing credibility assessment was another critical area, with the EC presenting simulation credibility requirements and assessment methods. The proposed text for virtual testing was approved, reflecting the group's consensus on the importance of robust testing methods for ADS validation. The session also addressed the integration of existing regulations, directives, and international standards, with China providing an updated list. The need for consistency and harmonization across different regulatory frameworks was emphasized, with participants agreeing to reach out directly to Officers of Principal Interest (OPIs) to address any errors or misunderstandings.

I. 17 and 19 December 2024, fourth GRVA Workshop on ADS, Online

50. The fourth GRVA Workshop on Automated Driving Systems (ADS) was held online on December 17 and 19, 2024, with 72 experts representing various Contracting Parties and organizations. The workshop aimed to review the progress of the Informal Working Group (IWG) on ADS and discuss the development of the UN Global Technical Regulation (GTR) and the UN Regulation on ADS. The session also focused on integrating inputs from different task forces and informal groups to ensure a harmonized approach to ADS regulation.

51. The workshop began with a progress review of the IWG on ADS, presented by the expert from Japan. The presentation highlighted upcoming meetings, projected deliverables, and the coordination between the IWG on ADS, GRVA ADS workshop, and ambassadors. The group agreed on the proposed timeline to finalize draft inputs by April 2025 and present an integrated document by July 2025. The discussion also covered the agreed structure of the regulation and the progress on various chapters, including the overlap between the new UN Regulation on ADS and UN Regulation No. 157 (ALKS).

52. The review of inputs prepared for the UN GTR on ADS included presentations on the Detailed Task Decomposition Framework Structure and OPIs Table for GTR. The group discussed the need for additional volunteers for open sections in the GTR and reviewed the integrated document prepared by the expert from China. Key sections such as the introduction, procedural background, technical background, principles for developing the GTR, and technical rationale and justification were discussed. The group noted the need to revisit the terminology used for Operational Design Domain (ODD) and agreed to further review the benefits and cost section in the upcoming workshop.

53. For the UN Regulation on ADS, the secretariat presented the updated Detailed Task Decomposition Framework Structure and OPIs Table. The expert from the Netherlands presented documents relevant to the scope of the draft UN Regulation on ADS and justifications to exclude ALKS from its scope. The group discussed the need to harmonize the text and agreed to further discussions on the safety management system, approval, and approval marking. The expert from the United Kingdom, on behalf of the OPI for the approvals topic, presented possible solutions for mutual recognition based on the 1958 Agreement, and the group agreed that further discussion was needed. The experts from Japan, Netherlands, and the United Kingdom jointly presented a consolidated document, and the group agreed to use color coding to differentiate agreed text from sections still under discussion.

54. The workshop concluded with a briefing on future sessions and the integration of documents with the IWG on ADS. The group also agreed to prepare a report for consideration by GRVA in January 2025.

J. 13 and 14 February 2025, fifth GRVA Workshop on ADS, Online

55. The fifth GRVA Workshop on Automated Driving Systems (ADS) was held online on February 13 and 14, 2025, with 72 experts representing various Contracting Parties and organizations. The workshop aimed to review the progress of the Informal Working Group (IWG) on ADS and discuss the development of the UN Global Technical Regulation (GTR) and the UN Regulation on ADS. The session also focused on integrating inputs from different task forces and informal groups to ensure a harmonized approach to ADS regulation.

56. The workshop began with a review of the inputs prepared for the UN GTR on ADS. The expert from China presented the integrated document, which included sections on the

introduction, procedural background, technical background, principles for developing the GTR, and technical rationale and justification. The group discussed the need to revisit the terminology used for Operational Design Domain (ODD) and agreed to further review the benefits and cost section in the upcoming workshop. The expert from the Netherlands emphasized the need to clarify the scope of the UNR-ADS and distinguish it from UN R157 (ALKS).

57. For the UN Regulation on ADS, the expert from the Netherlands presented three options for the regulation's scope: retaining separate regulations with a generic scope, linking the new UNR-ADS to UNR157, and adopting specific requirements from UNR157 into an annex of the new UNR-ADS. The group discussed the need to harmonize the text and agreed to further discussions on the safety management system, approval, and approval marking. The expert from the United Kingdom presented possible solutions for mutual recognition based on the 1958 Agreement, and the group agreed that further discussion was needed.

58. The workshop concluded with a briefing on future sessions and the integration of documents with the IWG on ADS. The next session is scheduled for March 25-26, 2025, in an online format. The group also agreed to prepare a report for consideration by GRVA in January 2025 and requested the secretariat to compile the information for WP.29 and AC.3. The workshop ended with no additional business discussed.

K. 17 and 18 February 2025, sixth session of IWG on ADS, Online

59. The sixth session of the Informal Working Group (IWG) on Automated Driving Systems (ADS) was held online on February 17 and 18, 2025, chaired by representatives from the UK, EC, and Japan, with participation from various countries and organizations. The primary focus was on advancing the development of UN regulations and Global Technical Regulations (GTR) for ADS, addressing key regulatory challenges, and ensuring the safety and reliability of ADS technologies. Participants included experts from government, industry, and international organizations. Each Officer of Principal Interest (OPI) presented their work for review and discussion. Significant progress was made in several areas, including the topic of the dynamic driving task.

60. Several critical topics were discussed in detail. The session began with an overview of the status of work on ADS regulations, highlighting progress and challenges. The secretary of GRVA reported on the highlights of the 21st GRVA session. The expert from AAPC presented the consolidated common provisions document, explaining the integration of OPI submissions. The group discussed the need to fill gaps and balance chapters, with an expectation to complete draft provisions on ADS requirements in the March session and compliance assessment in the April session.

61. The session also delved into specific OPI updates. Japan reported on the progress of the Safety Management System (SMS) audit, with phases 1 and 2 mostly completed and new subjects to be discussed in phase 3. The Netherlands and EC/JRC provided updates on testing, aiming to finalize their work by April. Canada and SAE presented additional provisions for the assessment of safety case completeness and robustness, proposing a change from "Minimal Risk Condition" to "Mitigated Risk Condition." The UK explained their approach to deriving verifiable performance criteria for the dynamic driving task.

62. The workshop concluded with a briefing on future sessions and the integration of documents with the IWG on ADS. The next session is scheduled for March 17-21, 2025, in Petten, Netherlands, and the following session for April 14-18, 2025, in Tokyo, Japan. The group also discussed the need for consistency and harmonization across different regulatory frameworks, with participants agreeing to reach out directly to OPIs to address any errors or misunderstandings. The session ended with no additional business discussed.

L. 17-21 March 2025, seventh session of IWG on ADS, Petten, Netherlands

63. The 7th session of the Informal Working Group (IWG) on Automated Driving Systems (ADS) took place in Petten, the Netherlands, from March 17 to 21, 2025. The session was chaired by representatives from the UK, EC, and Canada, and attended by experts from over 20 countries and organizations, including JRC, SAE, OICA, and ITU. Opening remarks

emphasized the importance of international cooperation in achieving Vision Zero and preparing legal frameworks for the deployment of ADS technologies. The group adopted the agenda and approved the previous session's report without modifications, setting the stage for a week of intensive technical discussions.

64. The session focused on reviewing amendment proposals to the working document on common provisions, with particular attention to definitions, scope, and structure. Key agreements were reached on terminology such as "functional scenario," "road safety agent," and "anticipatory behaviour," while other terms like "event" and "complex scenario" were removed. Discussions on the dynamic driving task (DDT) performance led to consensus on provisions related to critical traffic scenarios, remote termination, and interaction with priority vehicles. The group also addressed the integration of remote assistance and the need for clearer definitions in future drafts.

65. Significant progress was made in aligning the Safety Management System (SMS) and Safety Case sections with the broader regulatory framework. Provisions related to in-service monitoring, data collection, and audit traceability were refined, and the group debated the appropriate placement of general legal disclaimers within the regulation. The Post-Deployment Safety Assessment section was updated to reflect a shift from "critical" and "non-critical" occurrences to "significant occurrences," with further work planned on annexes and reporting templates. The group also discussed the relationship between ADS and other vehicle systems such as ESC, and the need for consistent terminology across documents.

66. The session concluded with a strategic discussion on the path forward. A new "Posting template" was introduced to streamline the submission of proposals, and participants agreed to prioritize refinement of the current text over introducing new content. The consolidated document, updated with changes from this session, will serve as the base for the 8th session in Tokyo. The group also reviewed the future schedule, including key milestones in Helsinki, Canada, and Asia, with the goal of submitting a finalized draft regulation to GRVA at the earliest. The Co-Chairs emphasized the importance of maintaining momentum and ensuring consistency across all regulatory components.

M. 25-26 March 2025, sixth GRVA workshop on ADS, Online

67. The 6th GRVA Workshop on Automated Driving Systems (ADS) was held online on March 25 and 26, 2025, chaired by the GRVA Chair. The session brought together participants from Contracting Parties, industry, and international organizations to review progress on the development of the UN Global Technical Regulation (GTR) and UN Regulation on ADS. The group reviewed the integrated documents prepared by OPIs, noting structural changes and the consolidation of existing directives and standards into annexes. Updates were provided on the introduction, procedural background, and technical background sections, including agreement on terminology such as the use of "ODD" and updates to the term "vehicle manufacturer."

68. The workshop also addressed the rationale and justification for safety case requirements, with the expert from SAE International emphasizing the need for a clear explanation of the safety assessment framework. Discussions on cost-benefit analysis highlighted differing perspectives, with SAE proposing a model based on regulatory impact and crash prevention benefits, while OICA raised concerns about focusing too heavily on regulatory development costs. The GRVA Secretary clarified that the 1998 Agreement allows flexibility in defining cost-benefit approaches and recommended focusing on the costs imposed by regulatory provisions rather than the broader development costs of ADS technologies.

69. In reviewing the draft UN Regulation on ADS, the group discussed key topics including the scope of application, validity of the Safety Management System (SMS), multi-stage approval, and mutual recognition. The Netherlands led discussions on scope options, while the UK and OICA provided input on SMS reassessment timelines. SAE and OICA emphasized the importance of clarifying responsibilities in multi-stage approvals. The UK presented a proposal for mutual recognition under the 1958 Agreement, encouraging broader consultation among type approval authorities. The GRVA Secretariat supported further exploration of harmonized solutions and advised against country-specific requirements.

70. The Co-Chair of the IWG on ADS presented a summary of the 7th IWG session, highlighting areas of alignment and mutual interest with the GRVA Workshop. The Ambassador from the Netherlands introduced a proposal for developing interpretation documents to support implementation of the UN GTR and UN Regulation. The group acknowledged the importance of these documents in ensuring consistent application across Contracting Parties. The session concluded with a briefing on upcoming meetings, including the next GRVA Workshop and the preparation of formal reports for WP.29 and AC.3. No additional business was discussed.

N. 14-18 April 2025, eighth session of IWG on ADS, Tokyo, Japan

71. The 8th session of the Informal Working Group (IWG) on Automated Driving Systems (ADS) was held in Tokyo, Japan, from April 14 to 18, 2025, chaired by the Co-Chair from Japan. The session saw record participation, with over 70 physical attendees and more than 50 posted documents. The group adopted the agenda (ADS-08-02-rev.3) and approved the amended wrap-up of the previous session. Discussions began with updates to definitions and terminology, including agreement to unify references to “manufacturer” and to add definitions for ADS states. The group also agreed to include a new provision under manufacturer responsibilities and to revisit the definition of “safety case” later in the session.

72. The group reviewed several sections of the draft regulation, including Safety Management System (SMS), audit, and performance of the Dynamic Driving Task (DDT). Amendments were agreed for provisions such as “competent and careful driver,” “collision avoidance,” and “signalling intent to enter a Minimal Risk Condition (MRC).” Some provisions, such as those related to evasive action and unmanned ADS, were deferred or marked for inclusion in the interpretation document. The group also addressed user interaction topics, agreeing on changes to terminology, deletion of certain provisions, and the relocation of others. Feedback mechanisms and user monitoring systems were discussed, with several items marked for further review.

73. Updates were provided on the safety case structure, ISMR, and testing provisions. The group agreed on simplified definitions for “occurrence” and “critical occurrence,” and accepted several amendments to manufacturer requirements. Discussions on software updates, confirmatory testing, and the inclusion of assessment flowcharts led to the conclusion that some elements would be better suited for interpretation documents. The group also reviewed proposals from the FADS Task Force and EDR/DSSAD IWG, noting the need for coordination on overlapping topics such as post-deployment safety and data reporting. Several definitions, including those for “remote user,” “passenger,” and “fallback user,” were discussed with agreement to continue refinement in future sessions.

74. The session concluded with a prioritization of open issues and planning for upcoming meetings. High-priority items were identified across all major sections, including definitions, DDT performance, SMS, safety case, testing, ISMR, and user interaction. The group agreed to consolidate annexes related to testing and DDT to avoid duplication. Future meetings were scheduled for May, July (Helsinki), October (Canada), and December (Tokyo), with a possible additional session in June. The group also agreed to use the DSSAD guidance document to inform regulatory requirements and interpretation. The session ended with a reaffirmed commitment to resolving outstanding issues ahead of the Helsinki meeting.

O. 28 and 30 April 2025, seventh GRVA workshop on ADS, Online

75. The 7th GRVA Workshop on Automated Driving Systems (ADS) was held online on April 28 and 30, 2025, chaired by the GRVA Chair. The session was attended by 69 participants from Contracting Parties, industry, and international organizations. The group adopted the agenda (GRVA-WS07-01/Rev.2) and approved the minutes of the previous workshop (GRVA-WS07-02). The Co-Chair of the IWG on ADS from Japan presented a progress report on the Tokyo session, highlighting chapter-wise updates to the draft ADS regulation, including closed and open issues. He also noted the review and acceptance of proposals from the DSSAD IWG and the FADS Task Force, and informed participants of upcoming online meetings ahead of the July session in Finland.

76. The workshop reviewed the integrated document for the UN Global Technical Regulation (GTR) on ADS. Updates were provided across several sections. The procedural background was expanded with references to WP.29 and GRVA reports, and the technical background was updated to reflect agreement on the use of “ODD” as the standard abbreviation. The section on technical rationale and justification was revised to include new content based on previous workshop feedback, while the benefits and cost section was drafted to reflect the broader impact of ADS technologies. Participants were encouraged to provide further input to OPIs to refine these sections.

77. The group also reviewed the draft UN Regulation on ADS. The Netherlands proposed a new introductory section referencing UN Regulation No. 157, which will be revisited in future sessions. Discussions on the scope section led to the removal of references to fully automated vehicles, and the terminology debate around “manufacturer” versus “vehicle manufacturer” was noted for further review. The UK and Netherlands provided updates on the approval and mutual recognition sections, with the Netherlands volunteering to coordinate expert input for the next draft. The workshop emphasized the need for continued collaboration among Contracting Parties and industry stakeholders.

78. The Ambassador from the Netherlands introduced initial considerations for developing interpretation documents to support implementation of the UN GTR and UN Regulation on ADS. These documents are intended to clarify regulatory intent and support consistent application across jurisdictions. The GRVA Chair concluded the session by outlining the schedule for upcoming meetings, including the next online session on June 10–11, 2025. He also reminded participants of the formal reporting process to WP.29 and AC.3, supported by the GRVA Workshop Secretariat, IWG on ADS, and Ambassadors. No additional business was discussed.

P. 19 May 2025, ninth session of IWG on ADS, Online

79. The co-chairs from the UK, EC, and Japan opened the ninth session by emphasizing the progress achieved in Tokyo and Petten and urging participants to consolidate outputs for Helsinki. Delegates adopted the agenda and confirmed the wrap-up of the 8th session with only minor editorial edits.

80. OPIs presented updates on the Safety Management System (SMS), safety case, Dynamic Driving Task (DDT) performance, and user interaction provisions. The group accepted several proposals, while it placed some open issues on the agenda for Helsinki. The co-chairs urged experts to finalize the draft Status Report (GRVA-22-28) and the consolidated common provisions for submission to the 22nd session of GRVA.

81. France, UK, SAE, and OICA initiated work on clarifying the definition of “manufacturer” and responsibilities in multi-stage approvals. Ambassadors highlighted the need to integrate WS outputs with the IWG work, especially for interpretation documents and “parked items.”

82. The co-chairs invited all members to review and comment on the consolidated draft table by early June so the mid-term review could include the feedback. They reminded the group that the Helsinki session would serve as the final physical meeting before GRVA-23 in September. Ambassadors confirmed they would oversee consistency between IWG and WS outputs, and participants endorsed the plan for a joint review in September.

Q. 23 May 2025, tenth session of IWG on ADS, Online

83. The European Commission chaired the tenth session and underlined the urgency of resolving DSSAD integration and SMS provisions before Helsinki. The Agenda was adopted followed by detailed discussions on various topics.

84. The DSSAD Co-chair from Japan presented the updated guidance document and announced plans to translate it into regulatory text in June. The group debated whether to treat the DSSAD annex as compulsory or optional. Sweden and Australia supported for a stand-alone DSSAD regulation, while the co-chairs pressed for efficiency by annexing it to

the ADS regulation. The group agreed to revisit the issue in Helsinki after the June DSSAD meetings.

85. The UK introduced amendments to SMS and audit sections, which the group discussed and adopted. France and Japan insisted on including explicit collision mitigation requirements, and the group agreed to revise the DDT provisions accordingly. EC/JRC proposed periodic inspections for vehicles without manual controls, and participants accepted the proposal for further drafting.

86. The group also addressed terminology. The UK proposed replacing “operational safety” with “SOTIF,” and members adopted the change unanimously. Canada presented new safety case provisions on safety-relevant objects and “evidence,” which the group accepted with OICA’s editorial refinements. The co-chairs closed the session by urging OPIs to integrate all adopted proposals into the consolidated provisions before Helsinki and by encouraging participation in DSSAD meetings to secure alignment.

R. 27 May 2025, eleventh session of IWG on ADS, Online

87. The co-chairs opened the eleventh session by stressing the need to resolve outstanding issues before Helsinki. Participants adopted the agenda and confirmed the 10th session wrap-up.

88. The Safety Case OPI (Canada) introduced provisions on maintenance information. The group debated their placement across several sections, including ADS requirements, Safety Case, and General Requirements. Members did not reach consensus and tasked Canada to revise the draft for Helsinki. Canada also introduced proposals on ADS marking and definitions of “evidence,” which the group accepted with editorial refinements and square brackets for unresolved items.

89. The ISMR OPI (JRC) presented revised provisions on data templates and critical occurrence thresholds. Members accepted sections 1–3 but retained section 4 in brackets until they clarified references to EDR systems. Participants accepted provisions on emergency manoeuvres and revised definitions of user roles, deleting ambiguous wording while retaining flexibility for Contracting Parties.

90. The secretariat reminded participants to submit all documents for Helsinki by 18 June 2025. The co-chairs urged OPIs to finalize revisions on safety case maintenance, ISMR thresholds, and ADS marking for detailed review. They emphasized that Helsinki would serve as the last physical meeting before GRVA-23 and confirmed that the September GRVA Workshop would check the consistency of the IWG’s integrated document with WS outputs. The group closed the session with agreement on clear deliverables and deadlines.

S. 10-11 June 2025, eighth GRVA workshop on ADS, Online

91. The eighth GRVA Workshop on Automated Driving Systems (ADS) was held online over two sessions on 10 and 11 June 2025. The agenda was adopted at the beginning of the session, and the minutes of the previous workshop were approved with the addition of discussion element regarding the scope of the draft UN Regulation (paragraph 15).

92. The workshop began with a progress update from the Informal Working Group on ADS, summarizing recent developments and outlining the prioritization of open items for resolution at the upcoming hybrid meeting. The group also received an update on the guidance document related to data storage systems for automated driving, which was scheduled for presentation at the next GRVA session.

93. Participants reviewed the integrated draft for the UN Global Technical Regulation on ADS, which included consolidated inputs from designated contributors. Updates were discussed across several sections, including editorial refinements to the introduction, amendments to the technical background—particularly the section on sensing and perception—and the inclusion of rationale for safety case development within the technical justification. The section on benefits and cost was noted as complete, with contributors inviting further feedback for refinement.

94. The draft UN Regulation on ADS was also reviewed. The introduction section was discussed and updated to reflect recent developments. The scope section included proposals to extend coverage to additional vehicle categories, which were supported in principle. Clarifications were provided regarding the definition of vehicle type, and the group agreed to further evaluate its placement within the regulation. Updates to the approval section were shared, including insights on approval marking and mutual recognition, reflecting outcomes from recent discussions among Contracting Parties and stakeholders.

T. 7-11 July 2025, twelfth session of IWG on ADS, Helsinki

95. The European Commission chaired the twelfth session of the Informal Working Group on ADS in Helsinki. The IWG adopted the agenda prepared for that session as well as the minutes of the previous IWG.

96. The co-chairs opened the meeting and stressed the importance of closing open issues and not opening new issues given the time remaining. The Secretary explained the structure of the Consolidated draft texts for the UN GTR and UN Regulation which included the current ADS Workshop text.

97. The Ambassadors to the GRVA Workshops provided an update from the June online workshop. It was noted that the workshop output of the UN GTR text was near to complete and that the major outstanding issue for the UN Regulation of mutual recognition was still under discussion. The Ambassadors also provided the results of the mid-term review and later in the meeting shared the list of interpretation and guidance items for Task 3. It was proposed that OPI begin prioritising possible interpretations and that an online meeting to begin organising the process would be held in September.

98. While a large number of open items were resolved, remaining issues included acceptance of track testing as a requirement for confirmatory testing, requirements for cybersecurity and software updates, and incorporation of DSSAD text into the two regulations. OICA/CLEPA proposed allowing ADAS driver assistance systems as part of the fallback state, however a number of contracting parties had concerns with possible mode confusion and preferred to address this in future revision of the regulations.

99. The next milestones for the IWG would be the submission of the draft UN GTR and UN Regulation as agreed during the meeting as an informal document for the to September 2025 session of GRVA. The annexes to regulations would be finalised by the end of September and seek to reach an agreement at the fourteenth session of the IWG in Vancouver in October 2025. The Vancouver session would review the draft formal documents, and seek to submit the finalised formal documents by October 24 for the January 2026 session of GRVA.

U. 10-11 September 2025, thirteenth session of IWG on ADS, Online

100. The co-chair from the United Kingdom chaired the 13th session of the Informal Working Group on ADS. The IWG adopted the agenda for the 13th session as well as the minutes of the previous session.

100Bis The 13th session saw proposals submitted on cybersecurity, software updating and electromagnetic compatibility by the United Kingdom as a follow up to proposals submitted in the 12th session. The IWG also reviewed proposals submitted by the experts from Japan on the safety concept and on 'useful life' of the ADS.

100Ter. The secretary introduced the latest draft text to the IWG in preparation for the 14th session in Canada whilst the co-chair from the United Kingdom introduced the draft status report slides for submission as an informal document to the 23rd session of GRVA.

V. 18-19 September 2025, ninth GRVA workshop on ADS, Geneva

101. The ninth GRVA workshop on ADS was held in Geneva on 17-18 September 2025. The workshop was chaired by the GRVA Vice Chair Mr. Naono. The Workshop adopted the agenda prepared for that session as well as the minutes of the previous workshop.

102. The workshop reviewed the administrative elements prepared for the draft UN GTR on ADS and discussed the need to keep the values derived from experimentations provided by participants regarding the potential benefits of ADS. The workshop agreed to consider updates to the existing text to align it with the most recent developments at the IWG on ADS.

103. The workshop reviewed the administrative provisions prepared for the draft UN Regulation on ADS. It agreed to incorporate a new introduction in the existing document. It reviewed in detail the draft communication form and the information document. It discussed the proposal for amendments to the administrative provisions aimed to support the mutual recognition of type approvals issued pursuant to the UN Regulation, inspired by the text in Schedule 6 and in UN Regulation No. 155.

104. The workshop reviewed the elements prepared for structuring the activities relating to Task 3 of the mandate. It reviewed a list of issued collected during the meetings of the IWG on ADS and the workshops. It reviewed the potential timeline leading the endorsement of a guidance document expected in November 2026.

105. The workshop participants agreed to organize a next web call in order to prepare a stable submission for review by the IWG on ADS at its October session in Vancouver, Canada.

W. 30 September 2025, tenth GRVA Workshop on ADS, Online

106. The tenth GRVA Workshop on ADS was held online on 30 September 2025. Participants adopted the agenda and the minutes of the ninth workshop. The group reviewed the administrative elements of the draft UN GTR on ADS, confirming the retention of values derived from experimentation on potential ADS benefits. Canada's proposals for editorial and structural refinements were accepted, with the consolidated input forwarded to the IWG on ADS for consideration at its October session in Vancouver.

107. The workshop continued with a review of the administrative provisions of the draft UN Regulation on ADS. Participants discussed proposed amendments related to mutual recognition, with broad support for the UK approach and requests from the European Commission and Germany for closer alignment with UN Regulation No. 157. OICA expressed concerns about requirements related to informing Contracting Parties of the ODD. The group agreed to continue work on the communication form and information document and to transmit the revised package to the IWG on ADS.

108. The workshop concluded with agreement on the next steps and confirmation that the following workshop would be held online on 4–5 November 2025. No additional issues were raised under other business.

X. 13-17 October 2025, fourteenth session of IWG on ADS, Vancouver

109. The IWG on ADS held its fourteenth session in Vancouver, chaired by Canada, with participation from Contracting Parties and stakeholders. The co-chairs emphasized that the group had entered the final phase of preparing the draft UN GTR and UN Regulation for submission to GRVA. Participants adopted the agenda and reviewed the consolidated GTR–UNR comparison table, noting that some unresolved issues might need deferral to the second iteration.

110. The session focused on closing outstanding items. The group agreed to retain only high-level cybersecurity and software-update provisions for the first iteration and accepted the DSSAD text already agreed by the DSSAD/EDR IWG, while keeping several elements under review pending the Tokyo session. General requirements were simplified, and

discussions continued on vehicle combinations and ADS/ADAS transition, with the UK tasked to refine proposals.

111. The IWG reviewed the draft formal provisions for GRVA submission, adopting several definition updates and SMS, safety-case, and test-environment amendments. Some UN Regulation administrative elements, including application-for-approval sections and several annexes, were placed in square brackets for consideration by the GRVA Workshop. Additional items were identified for treatment in an Interpretation Document.

112. Further open issues were resolved during the week, including electromagnetic-interference provisions linked to UN Regulation No. 10, refinements to scenario-based testing text, and the addition of user-gaze-monitoring requirements. The group agreed that the Communication, DSSAD, and ODD-based behaviour annexes would remain in square brackets until the Tokyo meeting. The introductions to both the GTR and UNR were accepted with limited remaining bracketed text.

113. The IWG closed the session by confirming the roadmap to the December Tokyo meeting, identifying the removal of bracketed provisions as the top priority. The group also discussed future work beyond delivery of the regulatory package, including development of interpretation and guidance documents, resolution of any remaining issues, and follow-up on parking-lot items such as ADS–ADAS transitions. The co-chairs noted upcoming online sessions in October and November and meetings planned for 2026.

Y. 28 October 2025, Fifteenth session of IWG on ADS, Online

114. The fifteenth session of the IWG on ADS was held online on 28 October 2025, chaired by Japan. The group adopted the agenda and noted that the wrap-up of the previous meeting would be posted ahead of the next session. The session focused on the final confirmation of the draft UN Regulation and UN GTR on ADS. Most sections of the UN Regulation were accepted without square brackets, although several definition items and selected manufacturer requirements remained pending for review at the Tokyo session, together with outstanding DSSAD elements. A number of administrative provisions were identified for further consideration by the GRVA Workshop, and several cross-references will require final checking. The IWG also reviewed the GTR draft text, agreeing to retain definitions not currently referenced and confirming that no justification text would be required for the formal submissions. The secretariat committed to preparing the final regulatory packages by 31 October. The group confirmed that the next online session would be held on 28 November and that any new proposals for the Tokyo meeting must be submitted by 21 November.

Z. 4–5 November 2025, eleventh GRVA Workshop on ADS, Online

115. The eleventh GRVA Workshop on ADS took place online on 4–5 November 2025, with participation from Contracting Parties, industry, and international organizations. The agenda was adopted. The group reviewed the minutes of the tenth workshop, noting OICA’s request to expand the record of its position on mutual-recognition provisions. The minutes will be adopted at the next session once updated wording is provided.

116. The workshop conducted a detailed review of the mutual-recognition-related provisions in the draft UN Regulation. Proposals from the United Kingdom and OICA were discussed, with some elements retained (including temporarily, via footnotes) and others deferred for clarification in the Interpretation Document. EC/JRC presented updates to the approval communication form and information document, though further review was requested by OICA. The group also revisited the stability-assessment topic, which may require coordination with ongoing work in the FADS Task Force.

117. The workshop reviewed the draft text of the UN GTR on ADS, focusing in particular on the cost–benefit section. Participants reiterated the need to source the data included in the introduction. OICA volunteered to identify well-documented inputs from multiple regions. The workshop also received an update on the development of the interpretation/guidance

document, including a proposed structure derived from the template used for UN Regulation No. 155.

118. The workshop confirmed that the next online meeting would be held on 1 December 2025 and closed the session without raising additional items.

AA. 28 November 2025, Sixteenth session of IWG on ADS, Online

119. The IWG on ADS held its sixteenth online session on 28 November 2025 under the chairmanship of the UK. The co-chairs noted that the formal GTR and UN Regulation on ADS had been successfully submitted to GRVA in late October and emphasized the need to prepare efficiently for the Tokyo meeting. The group adopted the agenda and endorsed the wrap-ups of the fourteenth and fifteenth sessions. The secretariat outlined the status of the submitted documents, noting that minoreditorial corrections and cross-reference checks were still required and would be clarified with the GRVA secretariat ahead of Tokyo.

120. The Ambassadors provided an update on the remaining work at the GRVA Workshops, including discussions on mutual recognition, completion of annexes, and development of the interpretation document. Japan reported that outstanding DSSAD issues would be addressed at the forthcoming DSSAD session. The co-chairs encouraged experts to clarify whether new proposals were intended for inclusion in the first or second iteration of the regulatory package.

121. The IWG adopted several proposals on open items, including deletion of paragraph 5.3.2.5 as redundant and editorial improvements to provisions on safety assessment and confirmatory testing, all of which were accepted without objection. The group reviewed preparations for the Tokyo session, including the draft timetable and requests for dedicated agenda time. OICA indicated its intention to table a proposal on ESC alternative assessment, which the co-chairs agreed to consider once submitted.

122. The session concluded with logistical information for the February 2026 meeting in Shanghai and a reminder that the Tokyo session would aim to resolve as many outstanding bracketed items as possible. The next steps include finalizing proposals by 31 November for Tokyo and confirming whether an additional online meeting will be required before the January 2026 GRVA session.

AB. 1 December 2025, Twelfth GRVA Workshop on ADS, Online

123. The twelfth GRVA Workshop on ADS was held online on 1 December 2025 with participation from Contracting Parties and stakeholders. The agenda was adopted, and the minutes of the tenth and eleventh workshops were approved with minor revisions, including the incorporation of OICA's positions and deletion of wording proposed by the United Kingdom.

63. The group reviewed the initial official document for the draft UN Regulation on ADS (ECE/TRANS/WP.29/GRVA/2026/3) and adopted amendments related to mutual recognition provisions and administrative annexes, based on proposals from the United Kingdom and the European Commission. OPIs were requested to submit the revised text for integration into the IWG's informal document.

64. The workshop also examined the draft UN GTR on ADS (ECE/TRANS/WP.29/GRVA/2026/2), agreeing to delete bracketed text in paragraphs 85 and 96 and adopting amendments to paragraph 45. These changes will be forwarded to the IWG for consolidation.

65. Participants discussed the development of the interpretation and guidance document under Task 3, reviewing Canada's proposal to group items by topic. The group agreed instead to proceed with a paragraph-by-paragraph approach. The next workshop was scheduled for 13–14 January 2026. No additional business was raised.

AC. 8-12 December 2025, Seventeenth session of IWG on ADS, Tokyo

124. The seventeenth session of the IWG on ADS was held in Tokyo with 75 participants, marking a critical step toward finalizing the draft UN GTR and UN Regulation on ADS for endorsement by WP.29 in June 2026. The group adopted the agenda and previous report and reviewed editorial corrections to the GRVA working documents. The secretariat confirmed that minor edits could be incorporated into formal documents without requiring informal submissions.

125. The session focused on resolving open issues. Amendments to the GTR included deletion of cost-benefit statistics lacking sources, while updates to the UN Regulation addressed definitions, footnotes, and administrative annexes, ensuring removal of all square brackets. DSSAD provisions were discussed extensively, with agreement to finalize outstanding data tables and definitions by the DSSAD subgroup; unresolved items will remain outside the first iteration unless endorsed by GRVA in May.

126. Key technical topics included ADS-ADAS transition, ESC approval pathways, and updates to Annexes on ODD analysis. The group accepted proposals clarifying AI use in ADS decision-making, confirming that in-vehicle online learning will not modify system behavior post-approval. Additional amendments were adopted on simulation toolchain wording, traceability in safety case assessments, and deletion of redundant provisions. Several concerns—such as confirmatory testing protocols, confidentiality, and remote termination—were deferred to the interpretation document or future iterations.

127. The workshop also advanced work on the interpretation and guidance document, agreeing on scope and timelines: interpretation text by February 2026 and guidance by April 2026. The session concluded with planning for next steps, including the #18 web session on 14 January, the hybrid meeting in Shanghai (February), and Bangkok (April). Participants acknowledged significant progress in resolving open issues and emphasized the need to address remaining DSSAD and ADS/ADAS transition topics before GRVA-24.

AD. 13 January 2026, Thirteenth GRVA workshop on ADS, Online

<Forthcoming>

AE. 14 January 2026, Eighteenth session of IWG on ADS, Online

<Forthcoming>

V. Work schedule

125. Work schedule as of October 2025 (Subject to changes)

2026												
	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
WP.29 sessions			10-13 UN			23-26 UN					17-20 UN	
GRVA sessions	19-23 UN				18-22 CND					27-30 UN		
ADS IWG sessions	14	11-12 Shanghai, CH		29-30 Bangkok, TH			[BE or UK]			[AUS]		[NL]
ADS IWG Outputs	Informal GIR + UNR to WP.29		Formal GIR + UNR to WP.29									
GRVA ADS Workshops	13	9-10 Shanghai, CH	2-3	27-28 Bangkok, TH	[1-2]	[BE or UK]		[7-8]				
ADS WS Outputs				Draft Interpretation to GRVA	Draft Interpretation to WP.29		Formal Interpretation to GRVA	Formal Interpretation to WP.29	Informal update Interpretation to GRVA	Informal update Interpretation to WP.29		

126. Overview of the sessions:

November 2023	GRVA to seek consent of WP.29 and AC.3 to mandate a new IWG on ADS	
January 2024	Proposal of draft Terms of Reference to GRVA (informal documents)	
March 2024	Adoption of draft Terms of Reference by WP.29 and authorisation by AC.3	
22 April 2024	First IWG on ADS session	(Web-only)
17 May 2024	Second IWG on ADS session	(Web-only)
May 2024	Progress Report to GRVA	
5 June 2024	First WS on ADS	(Web-only)
June 2024	First Progress Report to WP.29	
9-12 July 2024	Third IWG on ADS session	(Brussels, Belgium, hybrid)
10-11 Sept 2024	Second WS on ADS	(Web-only)
September 2024	Progress report to GRVA	
8-11 Oct 2024	Fourth IWG on ADS Session	(London, UK, Hybrid)
15-16 Oct 2024	Third WS on ADS	(Beijing, China, Hybrid)
9-13 Dec 2024	Fifth IWG on ADS Session	(Seoul, RoK, Hybrid)
17 and 19 Dec 2024	Fourth WS on ADS	(Web-Only)
13-14 Feb 2025	Fifth WS on ADS	(Web only)
17-18 Feb 2025	Sixth IWG on ADS	(Web only)
17-21 Mar 2025	Seventh IWG on ADS	(Petten, Netherlands, Hybrid)
25-26 Mar 2025	Sixth WS on ADS	(Web only)
14-18 Apr 2025	Eighth IWG on ADS	(Tokyo, Japan, Hybrid)
28 and 30 Apr 2025	Seventh WS on ADS	(Web only)
19 May 2025	Ninth IWG on ADS	(Web only)
23 May 2025	Tenth IWG on ADS	(Web only)
27 May 2025	Eleventh IWG on ADS	(Web only)
9-10 June 2025	Eighth WS on ADS	(web only)
7-11 July 2025	Twelfth IWG on ADS	(Helsinki, Finland, Hybrid)
10-11 Sept 2025	Thirteenth IWG on ADS	(Web only)
18-19 Sept 2025	Ninth WS on ADS	(Geneva, Switzerland, Hybrid)
30 Sept 2025	Tenth WS on ADS	(Web only)
13-17 Oct 2025	Fourteenth IWG on ADS	(Vancouver, Canada, Hybrid)
28 Oct 2025	Fifteenth IWG on ADS	(Web Only)
4-5 Nov 2025	Eleventh WS on ADS	(Web Only)
28 Nov 2025	Sixteenth IWG on ADS	(Web Only)
1 Dec 2025	Twelfth WS on ADS	(Web Only)
8-12 Dec 2025	Seventeenth IWG on ADS	(Tokyo, Japan, Hybrid)
13 Jan 2026	Thirteenth WS on ADS	(Web Only)
14 Jan 2026	Eighteenth IWG on ADS	(Web only)

127. Next meetings (IWG on ADS and WS on ADS):

Nineteenth IWG on ADS session, 9-13 February 2026, Shanghai, China

Twenty-first IWG on ADS session, 27 Apr – 1 May 2026, Bangkok, Thailand

VI. Documents

129. 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
- ECE/TRANS/WP29/2024/39 (GRVA) ADS guidelines and recommendations submitted to WP.29
- 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(Co-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-03-03r1(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-03-07r1 (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(Sec.) 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-04-12r1 (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-20-20(Ambassador)	Status GRVA ADS Workshops
ADS-05-00 (Host)	Logistical information for the 5th session
ADS-05-00a2(Host)	In-room wifi networks
ADS-05-00a1 (Sec.)	Session travel advisory
ADS-05-01 (Sec.)	Wrap-up of the previous session
ADS-05-02 (Chairs)	Invitation to the 5th ADS IWG session
ADS-05-03r1(Chairs)	Agenda for the 5th ADS IWG session
ADS-05-04 (Chairs)	Session orientation
ADS-05-05 (OPI)	In-service monitoring and reporting draft provisions
ADS-05-06r2(OPI)	Safety concept and case draft provisions
ADS-05-07 (OPI)	Virtual Testing Credibility Assessment provisions
ADS-05-08 (UK)	ADS feature type definitions
ADS-05-09 (OPI)	Draft DDT performance requirements
ADS-05-10 (OPI)	Draft user information requirements
ADS-05-10 (OPI)	Draft user information requirements
ADS-05-11 (UK)	Proposal for general ADS requirements
ADS-05-12 (OPI)	Proposal for general requirements
ADS-05-13 (OPI)	Draft Safety Management System provisions
ADS-05-14 (OPI)	Draft provisions on SMS audit procedures
ADS-05-15 (MLIT)	Premises of the Discussions on ADS Regulation
ADS-05-16 (OPI)	Draft provisions on test procedures
ADS-05-17 (FADS/AVRS chairs)	Regulatory Fitness for ADS-Horizontal issues

ADS-05-18 (OPI) Draft provisions for ISMR assessment

ADS-05-19 (OPI) Draft ISMR reporting templates annex

ADS-05-20 (OPI) Progress report on Safety Case provisions

ADS-05-21 (OPI) Progress report on Safety Assessment provisions

ADS-05-22 (AVC task force chairs) AV Categorisation status report

ADS-05-23 (KBA) Assessment guide with requirements and assessment criteria for granting an approval of defined operating areas

ADS-05-24 (OPI) Update on structure and harmonization

ADS-05-25 (WS OPI) Vehicle approval and SMS

ADS-05-26 (RDW) Approvals versus Safety Management Systems

ADS-05-27 (WS OPI UNR) ADS workshop draft input

ADS-05-28r1(WS Ambassadors) Progress report from the GRVA ADS workshops

ADS-05-29r1(OPI) Update on drafting test method provisions

ADS-05-30 (OPI) Update on virtual testing credibility assessment provisions

ADS-05-31 (OPI) Updated user-safety provisions

ADS-05-32 (OICA/CLEPA) Comments on ADS feature types

ADS-05-33 (KADIF) Korea Autonomous Driving Development Innovation Program

ADS-05-34 (OPI) In-Service Monitoring and Reporting progress report

ADS-05-35 (KATRI) Korea R&D Project on ADS

ADS-06-01 (Secretary) Wrap-up of the previous session

ADS-06-02 (Chairs/Secretariat) Orientation slides on common provisions

ADS-06-03r2(Chairs) Agenda for the 6th ADS IWG session

ADS-06-04r1ADS regulations: Consolidated common provisions as of the 5th ADS IWG session

ADS-06-05 (OPI) Proposal for "Mitigated Risk Condition"

ADS-06-06 (OPI) Proposal for "Regulations, directives, standards" section

ADS-06-07 (OPI) Regulations, directives, standards spreadsheet

ADS-06-08 (OPI) Proposal for annex on competencies and scenarios

ADS-06-09 (OPI) Testing credibility update

ADS-06-10 (OPI) Assessment of the safety case update

ADS-06-11 (OPI) In-Service Monitoring and Reporting update

ADS-07-00 (Chairs) Invitation to the 7th ADS IWG session

ADS-07-00a1 (Hosts) Logistical information for the 7th session

ADS-07-00a2 (Hosts) Additional information for the session in Petten

ADS-07-00a3 (Host) Bus from Centraal Station to JRC Petten

ADS-07-01r1 (Chairs) Wrap-up report of the 6th ADS IWG session

ADS-07-02r1 (DDT, ISMR, Testing, Safety assess OPI) Proposals to amend ADS-06-04/Rev.1

ADS-07-03 (SAE) Proposals to amend ADS-06-04/Rev.1

ADS-07-04 (OPI) Draft text on regulations, directives, and standards

ADS-07-05 (OPI) Table of regulations, directives, and standards

ADS-07-06 (China) Proposals to amend ADS-06-04/Rev.1
ADS-07-07r1(Chairs) Agenda for the 7th ADS IWG session
ADS-07-08 (SAFE) Proposals to amend ADS-06-04/Rev.1
ADS-07-09 User Safety OPI) Proposals to amend ADS-06-04/Rev.1
ADS-07-10 (OPI) Open issues in user-safety discussions
ADS-07-11r1 (OPI) Structure and harmonisation input
ADS-07-12 (Japan) Proposals to amend ADS-06-04/Rev.1
ADS-07-13 (WP.29 groups on regulatory fitness for ADS) Follow-up on issues from non-ADS regulations
ADS-07-14 (UK) Comments on terms and definitions
ADS-07-15 (OPI) SMS and audit status report
ADS-07-16 (OPI) Discussion of definitions
ADS-07-17 (OPI) status of "definitions" and open issues
ADS-07-18 (OPI) Credibility and testing provisions
ADS-07-19 (OPI) Safety case and safety case assessment update
ADS-07-20 (OPI) Links between Testing and Safety Case sections
ADS-07-21 (OPI) DDT performance-open items
ADS-07-22 (OPI) ISMR/Post-deployment status report
ADS-07-23 (OPI) Status update on ISMR annexes
ADS-07-24 (OICA/CLEPA) ADS: Big picture and comments on approach
ADS-07-25 Safety of user interactions discussion table
ADS-07-26 (OPI) ISMR priority issues
FADS-J4-02 (FADS) Updated technical translations and standard wordings
ADS-08-01r1 (Chairs) Wrap-up of the 7th ADS IWG session
ADS-08-02r3 (Chairs) Agenda for the 8th ADS IWG session
ADS-08-04r1 (UK) Consolidated draft common provisions
ADS-08-04r1a1 (Sec) Discussion table: Chapter 3. Definitions
ADS-08-04r1a10 (Sec) Discussion table: §7.3. Assessment of the safety case
ADS-08-04r1a11 (Sec) Discussion table: §7.4. Assessment of post-deployment safety
ADS-08-04r1a2 (Sec) Discussion table: §5.1. DDT performance requirements
ADS-08-04r1a3 (Sec) Discussion table: §5.2. User safety requirements
ADS-08-04r1a4 (Sec) Discussion table: §6.1. SMS requirements
ADS-08-04r1a5 (Sec) Discussion table: §6.2. Testing environment requirements
ADS-08-04r1a6 (Sec) Discussion table: §6.3. Safety case requirements
ADS-08-04r1a7 (Sec) Discussion table: §6.4. Post-deployment safety requirements
ADS-08-04r1a8 (Sec) Discussion table: §7.1. SMS audit procedures
ADS-08-04r1a9 (Sec) Discussion table: §7.2. Testing environment assessment
ADS-08-05r1 (Sec) Consolidated list of open issues
ADS-08-06 (OPI) ISMR/Post-deployment status report
ADS-08-07r1 (OPI) Proposal to amend "safety case" definition

ADS-08-08 (OPI) User information provisions
ADS-08-08 (OPI) User information provisions
ADS-08-09 (OPI) Safety case and assessment update
ADS-08-10 (UK) Proposal for term "manufacturer"
ADS-08-11 (UK) Proposal on definition of ADS feature states
ADS-08-12 (UK) Assessment flow and confirmatory testing
ADS-08-13 (NL/ETSC) Proposal to amend para. 5.2.2.2.
ADS-08-14r1 (OPI) DDT performance open issues (post IWG discussion)
ADS-08-15r1 (OPI) Proposals for §6.2., §7.2. and a new Annex on Scenarios
ADS-08-16r1 (EC/France) Proposal to define "remote user"
ADS-08-17 (Sec) ADS user roles proposal
ADS-08-18 (OPI) Proposals to amend post-deployment safety provisions
ADS-08-19 (Sec) ODD under SMS, testing, and safety case proposal
ADS-08-20 (Japan) Clarification of the scope of critical scenarios
ADS-08-21 (China) ADSF-1/2 and road-safety agents proposal
ADS-08-22 (China) Proposal to specify "detectable collision" in para. 5.1.3.2.
ADS-08-23 (China) Proposal on remote termination and ADS feature types
ADS-08-24 (China) User-requested deactivation proposal
ADS-08-25 (China) User access/intervention proposal
ADS-08-26 (China) Proposal to amend para. 6.3.2.10. on evidence
ADS-08-27 (China) Clarification of para. 6.1.5.6.3. on data retention
ADS-08-28 (China) Proposal to delete KPI parenthetical in para. 7.1.1.3.
ADS-08-29 (China) Proposal to require testing inside and outside ODD boundaries
ADS-08-30 (China) Editorial correction to scenarios/competencies annex
ADS-08-31 (China) Real-world test routes and complex scenarios
ADS-08-32 (China) Proposal to amend provision on fires in occurrence reporting
ADS-08-33 (OPI) Comments on ADS-08-04r1a6 safety case discussion
ADS-08-34r1 (OPI) Comments on ADS-08-04r1a10 safety assessment discussion
ADS-08-35 (Sec) Proposal to clarify scenario categories
ADS-08-36 (FADS/AVRS/AVSR) Non-DDT: Safety case and working condition of the ADS vehicle
ADS-08-37 (FADS/AVRS/AVSR) Non-DDT: Facilitating maintenance and repair
ADS-08-38 (FADS/AVRS/AVSR) Non-DDT: Safety risks to passengers when vehicle in motion
ADS-08-39 (FADS/AVRS/AVSR) Non-DDT: Working condition of the ADS vehicle
ADS-08-40 (FADS/AVRS/AVSR) Non-DDT: Safety case and ADS user safety
ADS-08-41 (Sec) Proposal to define "situation"
ADS-08-42 (OPI) SMS and audit status report
ADS-08-43 (OPI) "passenger" definition
ADS-08-44 (OPI) "suitably engaged" definition

ADS-08-45 (OPI) ADS feature "suggest" footnote
ADS-08-46 (OPI) Definition of fallback user availability
ADS-08-47 (DSSAD SG chairs) DSSAD guidance document status
ADS-08-48 (OPI) Credibility and testing provisions status
ADS-08-49 (OPI) Credibility and testing provisions-Open issues
ADS-08-50 (IWG ambassadors) Status of the GRVA ADS workshops
SG-DSSAD-26-02 (DSSAD SG chairs) DSSAD guidance document
SG-DSSAD-26-03 (DSSAD SG chairs) DSSAD guidance document (revision 1)
ADS-09-01 - (Chairs) Draft agenda for the 9th ADS IWG session
ADS-09-02 - (Chairs) Wrap-up report of the 8th ADS IWG session
ADS-09-03 - (Chairs) Draft status report to GRVA
ADS-09-04 - (Sec) Comments table for draft GTR/UNR purpose
ADS-09-05 - (Sec) Comments table for draft GTR/UNR scope
ADS-09-06 - (Sec) Comments table for draft terms and definitions
ADS-09-07 - (Sec) Comments table for draft general requirements
ADS-09-08 - (Sec) Comments table for draft DDT requirements
ADS-09-09 - (Sec) Comments table for draft user-interactions requirements
ADS-09-10 - (Sec) Comments table for draft other ADS requirements
ADS-09-11r1 - (Sec) Comments table for draft SMS requirements
ADS-09-12 - (Sec) Comments table for draft testing environments requirements
ADS-09-13 - (Sec) Comments table for draft safety case requirements
ADS-09-14 - (Sec) Comments table for draft post-deployment safety requirements
ADS-09-15r1 - (Sec) Comments table for draft SMS audit provisions
ADS-09-16 - (Sec) Comments table for draft testing environments assessment provisions
ADS-09-27 - (EC/UK) Proposal to facilitate maintenance and repair
ADS-09-28r1 - (UK) Proposal to amend SMS requirements and audit provisions
ADS-09-29 - (OPI) Proposal to add collision-mitigation ADS requirement
ADS-09-30 - (UK) Proposal for SOTIF definition
ADS-09-31 - (IWG ambassadors) Status of the GRVA ADS workshops
ADS-09-32 - (OPI) Safety case and non-trivial damage
ADS-09-33 - (OPI) Proposal for "evidence" definition
ADS-09-34 - (OPI) Proposal on maintenance information
ADS-10-01 - (Chairs) Draft agenda for the 10th ADS IWG session
ADS-10-02 - (Chairs) Draft status report to GRVA (revisedADS-09-03)
ADS-10-03 - (SG-DSSAD) Draft DSSAD guidance document
ADS-10-04 - (UK) ADS IWG experts comments on DSSAD guidance document
ADS-10-05 - (Sec) Consolidated draft common provisions for ADS safety
ADS-10-06 - (OPI) Safety case evidence other than testing
ADS-10-07 - (OPI) Remote interactions under safety case
ADS-11-01 - (Chairs) Agenda for the 11th ADS IWG session

ADS-11-05 - (OPI) Marking of ADS hardware and software

ADS-11-06 - (OPI) Proposal for "evidence" definition

ADS-11-07 - (OPI) Clarification of ISMR template use

ADS-11-08 - (OPI) Critical Occurrences

ADS-11-10 - (OPI) User role definitions

ADS-12-00 - (Host) Logistical information for the 12th ADS IWG session

ADS-12-00-Add.1 - (Host) Helpful tips for Helsinki

ADS-12-00-Add.2 - (Host) Meal options for IWG dinner

ADS-12-01 - (Chairs) Wrap up of the 9th, 10th, and 11th (May online) sessions

ADS-12-02r2 - (Chairs) Draft agenda for the 12th ADS IWG session

ADS-12-03r3 - (OPI, Ambassadors) Consolidated draft provisions for an ADS GTR and UNR (post Helsinki session)

ADS-12-04 - (China) Proposal to amend ADS-10-05: Safety concept

ADS-12-05 - (China) Proposal to amend ADS-10-05: ADS users

ADS-12-06r2 - (User safety OPI) Draft requirements for user safety (§5.2.)

ADS-12-07 - (China) Proposal for "timely" feedback to user

ADS-12-08 - (OPI/Secy) ISMR post-deployment safety amendments

ADS-12-09 - (OPI) §6.3. safety case proposals, updates, and clarifications

ADS-12-10 - (China) Proposal on state of vehicle controls (para. 5.2.2.3.9.)

ADS-12-11 - (China) Proposal to amend provision on suppression of controls (para. 5.2.2.1.2.)

ADS-12-12 - (OPI) Proposals for §6.3. safety case

ADS-12-13 - (China) Proposal to amend "activation" definition

ADS-12-14 - (China) Nominal scenario definition

ADS-12-15 - (China) Driving behaviours (para. 5.2.1.5.)

ADS-12-16 - (China) Post-collision proposal (para. 5.1.3.2.)

ADS-12-17 - (China) Proposal of SMS safety analysis process documentation

ADS-12-18 - (China) Editorial improvement to para. 6.1.5.3.

ADS-12-19 - (China) Data management in the development phase (para. 6.2.1.3.4.)

ADS-12-20r2 - (OPI) Updates, revisions, and clarifications to testing provisions (§4.3.2, 6.2., 7.2., 7.3.2. and 7.3.3.)

ADS-12-21 - (China) Optional use of stochastic models

ADS-12-22 - (China) misuse provisions (para. 6.3.1.9)

ADS-12-23 - (OPI-DDT) Scenarios and situations

ADS-12-24 - (EC/JRC/OPI-SMS) Proposals to improve SMS and audit sections

ADS-12-25 - (OPI) Annex on ODD analysis

ADS-12-26 - (OPI) ADS maintenance provisions (updated ADS-09-34)

ADS-12-27 - (OPI-SA) Modification of assessment criteria for non-testing evidence

ADS-12-28r1 - (FADS) Non-DDT items in ADS safety case provisions

ADS-12-29 - (WS Ambassadors) UNR introduction section

ADS-12-30 - (China) Proposal for amendments on failure response provisions (6.3.1.22, 6.3.1.24.)

ADS-12-31 - (China) Collision Fire

ADS-12-32 - (EC/JRC) ISMR Template

ADS-12-33 - (EC/JRC) Reporting Template

ADS-12-34 - (OPI) Clarification of MRC provisions

ADS-12-35 - (EC/Safety case OPI) Proposals for competencies and scenarios in safety case (§6.3)

ADS-12-36 - (Sec) Consolidated list of open issues

ADS-12-37 - (OICA/CLEPA) Minor amendments

ADS-12-38 - (OICA/CLEPA) Definitions

ADS-12-39 - (OICA/CLEPA) ISMR

ADS-12-40 - (OICA/CLEPA) Clarification of claims and evidence (para. 6.3.2.2. and 6.3.2.7.)

ADS-12-41 - (OICA/CLEPA) Big Picture: High-Level Overview

ADS-12-42 - (OICA/CLEPA) Definition of "manufacturer"

ADS-12-43 - (China) Proposal to add definitions for "scene" and "ODC"

ADS-12-44 - (China) Presentation on ODC

ADS-12-45 - (EC/JRC) Credibility Testing

ADS-12-46 - (EC/JRC) ISMR Open items

ADS-12-47 - (DSSAD) Status of DSSAD activity

ADS-12-48 - (DSSAD) Provisions and annex proposals for DSSAD in the ADS regulations

ADS-12-49 - (DSSAD) DSSAD guidance and ADS draft provisions: Side-by-side comparison

ADS-12-50 - (FADS) Questions from the WP.29 AV Regulatory Fitness groups

ADS-12-51 - (MinTC) Regulating the deployment of automated vehicles in Finland

ADS-12-52 - (WS Ambassadors) Items identified for interpretation / guidance document

ADS-12-53 - Presentation by VTT

ADS-12-54 - (UK) Proposal to address cyber security, software updates, and EMC

ADS-12-55 - (Ambassadors) GRVA development of guidance for the ADS regulations

ADS-13-01 (Sec) Wrap up of #12 ADS session

ADS-13-02 (Sec) Consolidated list of open items

ADS-13-03 (Sec) Side-by-side ADS GTR and UNR main provisions

ADS-13-04 (UK) Proposal for cyber security, software updates, and electromagnetic compatibility provisions

ADS-13-05 (UK) Proposal for an annex on software updates

ADS-13-06 (UK) Proposal for an annex on cyber security

ADS-13-07 (Sec) Working draft UNR on approval of ADS

ADS-13-08 (Japan) Comments on useful life

ADS-13-09 (Japan) Comments on safety concept

ADS-13-10 (Chairs) Agenda for the 13th ADS IWG session

ADS-13-11 (Chairs) Draft status report to GRVA

ADS-13-12 (JRC) Compromise on confirmatory testing

ADS-14-01r3(Chairs) Agenda for the 14th ADS IWG session

ADS-14-02 Wrap-up of the previous session

ADS-14-03r5(Sec) Side-by-side ADS GTR and UNR main provisions as amended during the session

ADS-14-04r1(China) Proposal to amend ADS-13-03 (para. 6/8.3.3.1.1.)

ADS-14-05 (China) Proposal to amend ADS-13-03 (para. 2.7.)

ADS-14-06r1(UK) Proposal to clarify confirmatory testing

ADS-14-07r2(UK) Proposal to address vehicle combinations

ADS-14-08 (Sec) WIP draft GTR submission

ADS-14-10 (OICA/CLEPA) Annex 4: "other sources" proposal

ADS-14-11 (OICA/CLEPA) Annex 4: GNSS coordinates proposal

ADS-14-12 (Workshops) Proposal for GTR statement of rationale

ADS-14-13r1(CA/JP/EC/UK) Proposal on vehicle lifecycle

ADS-14-14 (EC) Proposal to clarify SMS audit

ADS-14-15r1(EC) Proposal on assessment service qualifications

ADS-14-16 (SAE) Clarification of feature available definition

ADS-14-17 (SAE) Proposal for "area of operation" definition

ADS-14-18 (SAE) Clarification of "shall not cause collision" provision

ADS-14-19 (SAE) Proposal on technical service qualification

ADS-14-20 (SAE) Clarification of quality management accreditation

ADS-14-21 (SAE) Clarification of safety case and confirmatory testing comparison

ADS-14-22 (SAE) Clarification of "infractions" clause

ADS-14-23 (SAE) Proposal on residual risk (corrected version)

ADS-14-24 (SAE) Clarification of deterministic re-execution of simulations

ADS-14-25 (UK chair) Proposal for General requirements section

ADS-14-26 (Canada) SMS policy amendment

ADS-14-27 (Canada) GTR editorial improvements

ADS-14-28 (UK) Proposals to address the use of "scenario" and "situation"

ADS-14-29 (EC) Proposal for confirmatory testing

ADS-14-30r1(EDR/DSSAD) Proposals for DSSAD requirements

ADS-14-31 (EC) Proposal to clarify confirmatory testing

ADS-14-32 (OPI) Safety case and eye gaze proposal

ADS-14-33 (NL/ETSC) Alignment on "abuse"

ADS-14-34 (OPI) Clarifications to safety-case robustness

ADS-14-35 (Ambassadors) ADS Workshops status update

ADS-14-36 (NL) Proposal to address UN R157 ALKS

ADS-14-37 (Ambassadors) UNR-specific provisions from the GRVA ADS workshops

ADS-14-38 (UK) Cyber security and software updates proposal

ADS-14-39 (China) Options for confirmatory testing
ADS-14-40 (ws) gtr provisions
ADS-15-01 (Chairs and Secretaries) the provisional agenda
ADS-15-04r3(Sec) Draft proposal for a new UN GTR on ADS
ADS-15-05r3(Sec) Draft proposal for a new UN Regulation on the approval of ADS
ADS-16-01r1(UK) Proposal to delete GTR/UNR para. 5/7.3.2.5.
ADS-16-02r1(Canada) Editorial improvement to para. 6/8.1.11.2.3.
ADS-16-03r1(Canada) Editorial improvements to para. 6/8.3.3.3.1.
ADS-16-04r1(Chairs) Agenda for the 16th ADS IWG session
ADS-16-05 (Chairs/Secretaries) Wrap-up of #14 session
ADS-16-06 (Chairs/Secretaries) Wrap-up of #15 session
ECE-TRANS-WP.29-GRVA-2026-02e (GRVA) Proposal for a new UN GTR on ADS
ECE-TRANS-WP.29-GRVA-2026-03 (GRVA) Proposal for a new UN Regulation on ADS
ADS-17-01r5(Chairs) Agenda for the 17th ADS IWG session
ADS-17-02 The wrap-up of the previous session
ADS-17-03 (Canada) Verification of claim traceability
ADS-17-04r1(Germany) Para. 4/6.3.6.-Clarification on other system signals
ADS-17-05 (UK | DE) ADS fallbacks to ADAS
ADS-17-06r3(OICA) Alignment of GTR para. 45 and UNR para. 1
ADS-17-07 (OICA | CLEPA) Confidential ISMR information
ADS-17-08r2(OICA) Simulation toolchain and data retention: para. 5/7.2.1.3.1.
ADS-17-09 (OICA) Provision of personnel information
ADS-17-10r2(Sec) Editorial corrections to GRVA/2026/2
ADS-17-11r1(Sec) Editorial corrections to GRVA/2026/3
ADS-17-12 (Sec) Collected proposals for editorial improvements
ADS-17-13 (OPI) Revision of Annex 5/7 (ODD-based scenario generation)
ADS-17-14r3(OICA | CLEPA) Clarification of AI in GTR and UNR introductory sections
ADS-17-15 (SAE) Clarification of crash causation provision
ADS-17-16 (SAE) Clarification of confirmatory testing
ADS-17-17r1(SAE) Safety case and change in area of operation
ADS-17-18 (SAE) Clarification of remote termination
ADS-17-19 (ADS Workshops) Updated administrative provisions for the ADS UN Regulation
ADS-17-20r1(ADS Workshops) Proposal to amend GTR cost-benefit section
ADS-17-21 (JRC) Proposal to remove brackets in short-term reporting template
ADS-17-22r1(EDR/DSSAD IWG) Proposal to amend GTR provisions related to DSSAD
ADS-17-23r1(EDR/DSSAD IWG) Proposal to amend UNR provisions related to DSSAD
ADS-17-24 (EDR/DSSAD) DSSAD provisions table
ADS-17-25 (Ambassador) Status GRVA ADS Workshops

ADS-17-26 (Germany) Comments on Annex 7 of the UNR

ADS-17-27r3(Australia) Proposal to clarify text on remote termination

ADS-17-28 (CA | Sec) Alignment of GTR/UNR safety-case assessment provision

ADS-17-29 (CA | FI | NL | NO | UK | ETSC) Driving assistance after feature deactivation

ADS-17-30 (UK) Proposal to reference safety-relevant objects in collision causation provision

ADS-17-31 (EC) Interpretation and Guidance document for the UNR and GTR ADS Regulation

GRVA-WS12-05r1e(GRVA ADS Workshop) Working draft guidance document for ADS regulations

ADS-18-01 The wrap-up of the previous session

ADS-18-02r1(Chairs) Agenda for the 18th ADS IWG session

ADS-18-03r2(Sec) Draft informal submission amending GRVA/2026/2 (GTR)

ADS-18-04r1(Sec) Draft consolidated GTR with tracked changes

ADS-18-05r2(Sec) Draft informal submission amending GRVA/2026/3 (UNR)

ADS-18-07 (Chairs) Draft ADS IWG status report to GRVA

ADS-18-08 (OPI) Updated Annex 5/7 (editorial improvements)

130. Documents for the Workshops on ADS:

GRVA-WS01-01 (UNECE) Provisional agenda for the first GRVA Workshop on ADS

GRVA-WS01-02/Rev.1 (Secretariat) Slide deck (reflecting the outcome of the workshop)

GRVA-WS02-01/Rev.1 (Secretariat) Provisional agenda prepared for the 2nd GRVA Workshop on ADS

GRVA-WS02-02 (Secretariat) Minutes of the first GRVA workshop on ADS

GRVA-WS02-03 (OPIs) Input provided by the OPIs regarding the relevant paragraphs of a new UN R 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 (Secretariat) Detailed Task Decomposition Framework Structure and OPIs Table for GTR

GRVA-WS02-05/Rev.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 (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	(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*
GRVA-WS04-01/Rev.1(Secretariat)	Provisional agenda for the 4rd GRVA workshop on ADS
GRVA-WS04-02	(Secretariat) Minutes of the third GRVA Workshop on ADS
GRVA-WS04-03	(OPI/China) Input for the Global Technical Regulation on Automated Driving System (ADS)
GRVA-WS04-04/Rev.1(Secretariat)	Detailed Task Decomposition Framework Structure and OPIs Table for GTR
GRVA-WS04-05	(OPIs/Japan, Netherlands, UK) Elements for the UN Regulation on ADS*
GRVA-WS04-06/Rev.1(Secretariat)	Detailed Task Decomposition and OPIs table for the UN Reg. on ADS
GRVA-WS04-07	(CLEPA/OICA) Update on the activities regarding a New Reg approach for ADS
GRVA-WS04-08	(OPI/UK) Update on task 5 (Approval and approval marking)
GRVA-WS04-09	(NL) SMS vs. approval
GRVA-WS04-10	(NL) Justification for certification of the Safety Management System (SMS) independent of the vehicle approval under the ADS regulation.
GRVA-WS04-11	(NL) Proposal for the scope for the UNR on ADS*
GRVA-WS04-12	(NL) Justification to exclude UN R 157 from the scope
GRVA-WS04-13	(Japan) Progress report of the IWG on ADS
GRVA-WS05-01	(Secretariat) Provisional agenda for the 5th GRVA workshop on ADS
GRVA-WS05-01/Rev.1(Secretariat)	Revised provisional agenda for the 5th GRVA workshop on ADS
GRVA-WS05-02	(Secretariat) Minutes of the 4th GRVA Workshop on ADS
GRVA-WS05-03	(OPIs) Draft administrative provisions for the UN GTR on ADS

GRVA-WS05-03/Rev.1(OPIs) Draft administrative provisions for the UN GTR on ADS (revision)

GRVA-WS05-04 (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS05-04/Rev.1(OPIs/J/EC) Draft administrative provisions of the UN Regulation on ADS (revision)

GRVA-WS05-05 (NL/OPIs) Options for scope description of UNR-ADS

GRVA-WS05-06 (UK) Options for UN R157 (ALKS) once UN R on ADS is in force

GRVA-WS05-07 (NL) Options for scope description of UNR-ADS

GRVA-WS06-01 (Secretariat) Provisional agenda for the 6th GRVA workshop on ADS

GRVA-WS06-02 (Secretariat) Draft minutes of the 5th GRVA workshop on ADS

GRVA-WS06-03/Rev.2(OPIs) Draft administrative provisions for the UN GTR on ADS (Revision 2)

GRVA-WS06-04 (OPIs) Section 4 - Peer review and mutual recognition

GRVA-WS06-05 (IWG on ADS Co-Chairs) Informal report of the 7th IWG on ADS

GRVA-WS06-06 (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS06-06/Rev.1(Vice-Chair) Draft administrative provisions for the new UN Regulation on ADS (posted online after the 6th workshop)

GRVA-WS06-07 (OPIs) Task 3: interpretations

GRVA-WS06-08 (OPs/NL) Options for scope description of the new UNR on ADS

ADS-08-00r3 (Host) Logistical information for the 8th ADS IWG session

GRVA-WS07-01/Rev.2 (Secretariat) Provisional agenda for the 7th GRVA workshop on ADS

GRVA-WS07-02 (Secretariat) Minutes of the sixth GRVA Workshop on ADS

GRVA-WS07-03 (OPIs) Draft administrative provisions for the UN GTR on ADS

GRVA-WS07-04 (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS07-05 (ADS) Progress report of the IWG on ADS and the GRVA Workshops on ADS

GRVA-WS07-06 (CLEPA/OICA) Comments on GRVA-WS07-04

GRVA-WS08-01/Rev.1 (Secretariat) Provisional agenda for the 8th GRVA workshop on ADS*

GRVA-WS08-02 (Secretariat) Minutes of the seventh GRVA workshop on ADS

GRVA-WS08-02/Rev.1(Secretariat) Minutes of the seventh GRVA workshop on ADS

GRVA-WS08-03 (OPIs) Draft revised administrative provisions for the UN GTR on ADS

GRVA-WS08-03/Rev.1 (OPIs) Draft revised administrative provisions for the UN GTR on ADS - Revision

GRVA-WS08-04 (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS08-04/Rev.1(OPIs) Draft administrative provisions for the UN Regulation on ADS - Revision

GRVA-WS08-05 (OPI/UK) Vehicle Type definition

GRVA-WS08-06/Rev.1 (Ambassadors) Proposal for an introduction for the draft UN Regulation on ADS

GRVA-WS08-07 (OPI/UK) Update on task 5 (Approval) and Approval Marking

GRVA-WS08-08 (OPIs/UK) Update to paragraph 4

GRVA-WS09-01/Rev.2(Secretariat) Provisional agenda for the 9th GRVA workshop on ADS

GRVA-WS09-02 (Secretariat) Minutes of the eighth GRVA workshop on ADS

GRVA-WS09-03 (Ambassadors) Interpretations/Guidelines

GRVA-WS09-04 (EC/JRC) Draft interpretation and guidance document

GRVA-WS09-05 (Ambassador/NL) Items identified for guidelines/interpretation

GRVA-WS09-06 (OPIs) Revised Introduction proposal

GRVA-WS09-07 (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS09-07/Rev.1(OPIs/WS) (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS09-07/Rev.2(OPIs/WS) (OPIs) Draft administrative provisions for the UN Regulation on ADS

GRVA-WS09-08 (OPIs) Draft administrative provisions for the UN GTR on ADS

GRVA-WS09-09 (EC/JRC) Interpretation/guidance document - Testing, ISMR

GRVA-WS09-10 (EC/JRC) Interpretation/guidance document - supporting GRVA-WS09-04

GRVA-WS09-11 (OICA/CLEPA) New approvals, Extensions, Revisions

GRVA-WS09-12 (OICA/CLEPA) ESC / Vehicle stability

GRVA-WS10-01 (Secretariat) Provisional agenda for the 10th GRVA workshop on ADS

GRVA-WS10-02 (Secretariat) Minutes of the 9th GRVA workshop on ADS

GRVA-WS10-03/Rev.1(OPIs) Draft administrative provisions for the UN GTR on ADS - Revision 1

GRVA-WS10-04/Rev.1(OPIs) Draft administrative provisions for the UN Regulation on ADS - Revision 1

GRVA-WS11-01/Rev.1(Secretariat) Provisional agenda for the 11th GRVA workshop on ADS

GRVA-WS11-02/Rev.1(Secretariat) Draft minutes of the 10th GRVA workshop on ADS

GRVA-WS11-03/Rev.1 - (Secretariat) Revision of the administrative provisions for the draft UN Regulation on ADS

GRVA-WS11-04 (Secretariat) Initial draft proposal for an interpretation / guidance document

GRVA-WS11-05 (OICA) Mutual recognition concept

GRVA-WS11-06 (OICA) Proposal for amendments to the administrative provisions of the draft UN Regulation on ADS

GRVA-WS11-07 (OICA) Vehicle stability (ESC/VSF) alternative assessment via the ADS Regulation

GRVA-WS11-08 (OPI/NL) Proposal for amendments to the Communication form and the information document for the draft UN Regulation on ADS

GRVA-WS12-01	(Secretariat) Provisional agenda for the 12th GRVA workshop on ADS
GRVA-WS11-02/Rev.2	(Secretariat) Revised minutes of the 10th GRVA workshop on ADS
GRVA-WS12-03	(OPIs/UK) Mutual recognition related provisions
GRVA-WS12-04	(OPIs/EC/JRC) Proposal for amendments to ECE/TRANS/WP.29/GRVA/2026/3 (annexes)
GRVA-WS12-05	(Secretariat) Draft Interpretation / Guidance document for UN Global Technical Regulation No. [XXX] and UN Regulation No. [YYY] on Automated Driving Systems
GRVA-WS12-05/Rev.1	- (Secretariat) Draft Interpretation / Guidance document for UN Global Technical Regulation No. [XXX] and UN Regulation No. [YYY] on Automated Driving Systems
GRVA-WS12-06	(CLEPA/OICA) Amendment proposal to paragraph 45 in ECE/TRANS/WP.29/GRVA/2026/2
GRVA-WS13-01	(Secretariat) Provisional agenda for the 13th GRVA workshop on ADS
GRVA-WS13-02	(Secretariat) Draft minutes of the 12th GRVA workshop on ADS
GRVA-WS13-03	(Secretariat team) Task 3 - Proposal for Interpretation / Guidance document for the UN GTR and UN R on Automated Driving Systems
GRVA-WS13-04	(Secretariat team) Task 3 - consolidated planning overview
GRVA-WS13-05	(Canada/OPI) Task 3 - Safety Case interpretation and guidance document development plan
GRVA-WS13-06	(EC/OPI) Task 3 - Status and main priorities for testing
