ROAT Observatory

ROAT / REGULATORY MAP

Complete landscape: 76 instruments and standards / 12 pillars / snapshot 2026-08-27

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- Binding, in force
- Binding, adopted or phased
- Soft law and guidance
- Draft or in negotiation
- Standard or technical reference
- Verification pending

01 International Road Traffic Law

Geneva Convention 1949
International / UNECE / TA + OP / Binding, in force
Official source

Vienna Convention 1968
International / UNECE / TA + OP / Binding, in force / Backbone
Official source

Vienna Convention Art. 8(5 bis)
International / UNECE / TA + OP / Binding, in force
Official source

Vienna Convention Art. 34 bis
International / UNECE / TA + OP / Binding, in force
Official source

WP.1 Deployment Resolution
International / UNECE / TA + OP / Soft law and guidance
Official source

Draft AV Convention package
International / UNECE / TA + OP / Draft or in negotiation
Groups the zero draft, Q&A and scoping draft.
Official source 1 / Official source 2 / Official source 3

02 Vehicle Type-Approval

UN R157 - ALKS
International / UNECE / TA / Binding, in force
Official source

UN R171 - DCAS
International / UNECE / TA / Verification pending
Official source

New UN Regulation on ADS (2026)
International / UNECE / TA / Binding, adopted or phased / Backbone / New 2026
Official source

EU Type-Approval Regulation 2018/858
European Union / TA / Binding, in force / Backbone
Official source

EU General Safety Regulation 2019/2144
European Union / TA / Binding, in force / Backbone
Official source 1 / Official source 2

EU ADS Implementing Regulation 2022/1426
European Union / TA / Binding, in force / Backbone
Official source

EU ADS Amendment 2026/481
European Union / TA / Binding, in force / Backbone / New 2026
Official source

EU GSR implementing package
European Union / TA / Binding, in force
Grouped ELKS, general construction, distraction, ISA, drowsiness and alcohol-interlock implementing/delegated acts.
Official source 1 / Official source 2 / Official source 3 / Official source 4 / Official source 5 / Official source 6

EU position at WP.29 - Decision 2026/1411
European Union / TA / Binding, in force / New 2026
Official source

US FMVSS modernisation for ADS
National / subnational / TA / Draft or in negotiation
Official source

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03 ADS Safety Validation

UNECE NATM Guidelines
International / UNECE / TA / Verification pending
Official source

UN ADS GTR (2026)
International / UNECE / TA / Standard or technical reference / Backbone / New 2026
Adopted at WP.29's 199th session (June 2026); Global Registry publication details pending. Under Article 7 of the 1998 Agreement a UN GTR has no direct legal force and no mutual recognition of approvals: a Contracting Party that voted in favour must submit it to its own domestic adoption procedure but stays free not to adopt it, giving reasons. Contrast the 1958-Agreement UN Regulation.
Official source

UNECE ADS Guidance & Interpretation
International / UNECE / TA / Draft or in negotiation
GRVA working document ECE/TRANS/WP.29/GRVA/2026/24, tabled for the 26th GRVA session of 14-18 September 2026; the guidance and interpretation document is proposed, not adopted.
Official source

JRC interpretation of EU 2022/1426
European Union / TA / Soft law and guidance
Official source

JRC SMS & Remote Management addendum
Cross-cutting / TA / Soft law and guidance
Official source

ISO 34503 - ODD specification
Standards / Guidance / TA / Standard or technical reference
Official source

ISO 21448 - SOTIF
Standards / Guidance / TA / Verification pending
Official source

ISO 26262 - Functional safety
Standards / Guidance / TA / Verification pending
Official source

UL 4600
Standards / Guidance / TA / Verification pending
Official source

04 Testing and Trial Operation

EU automated-vehicle exemption guidelines
European Union / OP / Soft law and guidance
Official source

Slovakia - test-operation framework
National / subnational / OP / Binding, in force / Backbone
Official source 1 / Official source 2 / Official source 3 / Official source 4

UK trialling framework + PAS 1884
Standards / Guidance / OP / Soft law and guidance
Official source 1 / Official source 2

Croatia - real-world service testing
National / subnational / OP / Binding, in force / Backbone
Official source 1 / Official source 2

California AV testing / incident framework
National / subnational / OP / Soft law and guidance
Official source

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05 Deployment and Passenger Services

UK AV Act + APS implementation
National / subnational / OP / Binding, adopted or phased / Backbone
Official source 1 / Official source 2 / Official source 3 / Official source 4

Germany - automated driving framework
National / subnational / OP / Verification pending / Backbone
Official source

France - automated driving / STRA framework
National / subnational / OP / Binding, in force / Backbone
Official source 1 / Official source 2 / Official source 3

Croatia - road-operation framework
National / subnational / OP / Binding, in force
Official source

Slovakia - road-operation + CPT 1329
National / subnational / OP / Draft or in negotiation / Backbone
Official source 1 / Official source 2 / Official source 3

Czech Republic - automated mobility framework
National / subnational / OP / Binding, in force
Official source 1 / Official source 2

EU Automated Mobility Strategy
European Union / OP / Soft law and guidance
Official source

UK AV marketing restrictions
National / subnational / OP / Verification pending
Official source

06 Human Roles and Remote Operation

WP.1 secondary-activities resolution
International / UNECE / OP / Soft law and guidance
Official source

WP.1 remote-driving draft resolution
International / UNECE / OP / Draft or in negotiation
Official source

UNECE remote intervention / interaction interpretation
International / UNECE / OP / Draft or in negotiation
Informal document ADS-21-71/Rev.3, a change request to the guidance and interpretation document deferred for further discussion at the 21st ADS session; not an adopted interpretation.
Official source

UNECE remote-driving / management papers
International / UNECE / OP / Soft law and guidance
Official source 1 / Official source 2

SAE J3016 taxonomy
Standards / Guidance / OP / Standard or technical reference
Official source

AVSC remote-assistance best practice
Standards / Guidance / OP / Standard or technical reference
Official source

ETSI AVM / remote-operations specification
Standards / Guidance / OP / Standard or technical reference
Official source

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07 Liability and Insurance

EU Product Liability Directive
European Union / TA + OP / Binding, in force / Backbone
New PLD; applies to products placed on the market or put into service after 8 December 2026 (Article 2(1) as corrected on 7 May 2026, OJ L, 2026/90364); Directive 85/374/EEC is repealed with effect from 9 December 2026 and continues to govern products placed on the market before then.
Official source

EU Motor Insurance Directive amendment
European Union / OP / Binding, in force / Backbone
Compulsory motor-insurance/victim-compensation layer; review expressly considers autonomous vehicles.
Official source

UK AEV Act 2018
National / subnational / TA + OP / Verification pending
Official source

PACE legal-aspects resolution
International / UNECE / TA + OP / Soft law and guidance
Official source

08 Data and Privacy

GDPR
European Union / TA + OP / Binding, in force / Backbone
Official source

EDPB connected-vehicle guidelines
European Union / TA + OP / Verification pending
Official source

EU Data Act
European Union / TA + OP / Binding, in force / Backbone
Official source

UN R160 - EDR
International / UNECE / TA + OP / Binding, in force
Official source

EU EDR Regulation 2022/545
European Union / TA + OP / Binding, in force
Official source

Article 29 data-protection opinions
European Union / TA + OP / Soft law and guidance
Official source 1 / Official source 2

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- Standard or technical reference
- Soft law and guidance
- Verification pending

09 Cybersecurity and Software Updates

UN R155 - CSMS
International / UNECE / TA / Binding, in force / Backbone
Official source

UN R156 - SUMS
International / UNECE / TA / Binding, in force / Backbone
Official source

UN R161 - Unauthorized Use
International / UNECE / TA / Binding, in force
Official source

NIS2 Directive
European Union / TA / Binding, in force / Backbone
Official source

EU Cybersecurity Act
European Union / TA / Binding, in force
Official source

ISO/SAE 21434
Cross-cutting / TA / Verification pending
Official source

10 AI and Algorithmic Governance

EU AI Act
European Union / TA + OP / Binding, in force / Backbone
Annex I links AI Act to Regulations 2018/858 and 2019/2144; cross-layer type-approval interface.
Official source

EU CAV Ethics recommendations
European Union / TA + OP / Soft law and guidance
Official source

Trustworthy-AI testing framework
Cross-cutting / TA + OP / Standard or technical reference
Peer-reviewed research evidence retained from v0.1; not a legal instrument.
Official source

Digital Omnibus on AI 2026/1744
European Union / TA + OP / Binding, in force / Backbone / New 2026
2026 amendment to AI Act implementation; must be read together with product/type-approval rules.
Official source

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- Standard or technical reference
- Verification pending

11 Incident Reporting and Enforcement

NHTSA SGO crash reporting
National / subnational / OP / Binding, in force
Official source

EU ADS in-service monitoring
European Union / OP / Binding, in force
Official source

EU vehicle market surveillance
European Union / OP / Binding, in force
Official source

California DMV AV incident reporting
National / subnational / OP / Soft law and guidance
Official source

Police-AV interaction research
Cross-cutting / OP / Standard or technical reference
Peer-reviewed operational evidence retained from v0.1; not a legal instrument.
Official source

12 Infrastructure, Connectivity and Emergency Response

EU ITS Directive
European Union / OP / Binding, in force
Official source

EU C-ITS Strategy
European Union / OP / Soft law and guidance
Official source

EU eCall Regulation
European Union / OP / Verification pending
Official source

Waymo first-responder guide
National / subnational / OP / Verification pending
Official source

ENISA AI/AV cybersecurity report
European Union / OP / Soft law and guidance
Official source

SUMP guidance
European Union / OP / Soft law and guidance
Official source

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