

Submitted by the expert from CITA



Informal document GRVA-12-14/Rev.1
12th GRVA, 24-28 January 2022
Agenda item 5(c)

12th GRVA

Access to in-vehicle data

Presentation of the informal document GRVA-12-11

January 24th to 28th, 2022

Eduard Fernández, Executive Director

We are the **world-wide** association of **authorities and authorized members** active in the field of **vehicle compliance**

We make roads safer and cleaner.
Every day. Everywhere. Impartially. Responsibly.

Who we are? What we do?



Ministries and agencies members of CITA

General Directorate of Road Transport Services	ALBANIA	Ministry of Infrastructure	KOSOVO
ATTT - Agence Technique des Transports Terrestres	TUNISIA	NALTEC - Japan National Agency for Automobile and Land Transport Technology	JAPAN
Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie" (BMK)	AUSTRIA	Norwegian Public Roads Administration	NORWAY
Consejo de Seguridad Vial	COSTA RICA	NZTA	NEW ZEALAND
Driver & Vehicle Agency	UNITED KINGDOM	RAR	ROMANIA
DVSA	UNITED KINGDOM	RDW	NETHERLANDS
Transport Administration	ESTONIA	RSA	IRELAND
Ministry for Innovation and Technology	HUNGARY	RTA - Licencing Agency Dubai	UNITED ARAB EMIRATES
ITS	POLAND	SWEDAC	SWEDEN
Ministry of Land, Infrastructure, Transport	JAPAN	TRAFICOM	FINLAND
KOTSA	KOREA	UTAC	FRANCE
Ministero delle Infrastrutture e dei Trasporti	ITALY	VIETNAM REGISTER	VIETNAM

- ✓ **Follows up of document GRVA-11-15**
- ✓ **Spotlights the sovereign case to access in-vehicle data**
- ✓ **Vehicle fitness will be more critical than ever**
- ✓ **Technological-legislative hurry**
- ✓ **Impartiality**

Key principles for access



Fair

**Non
discriminatory**

Reasonable

Cybersecure

Neutral

Trustworthy

Impartial

**Useful for
sovereign tasks**

Dongle solution



Extended Vehicle Concept / ADAXO

- **ADAXO: Automotive Data Access – Extended and Open**
- **Based on the ISO standardized Extended Vehicle concept**
- **Open to other server platforms (NEVADA approach)**
- **Possibility of installing 3rd party software in the vehicle fulfilling UNECE Reg 155 and 156**

Secure On-board Telematics Platform (S-OTP)

- **Protection Profile addressing life-cycle performance and maintenance of vehicles regarding Cybersecurity as methodology**
- **Neutral access and authorization concept for data**
- **Modification of software and hardware components needed**

Man in the middle

- **The MNO – Mobile Network Operator becomes the “Man in the middle”**
- **MNO transfers to the Data Trustee (DT) the data sent from the vehicle to its manufactures**
- **For sovereign use cases**
- **The DT safely stores data and provide access to designated stakeholders**
- **Consumers may decide which stakeholders will receive their data**

Trust Centre

- **Independent governance model with separation of duties**
- **Access management handled by independent trust centers**
- **Data trustees collect and/or process data from vehicles**

Possibilities for the GRVA:

- **Using UN Regulations, Rules and GTRs to ease the access to vehicle data**

Data to be collected

Transmission of data

Authenticity and no-repudiation

Encryption requirements

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- **Recommendations**

Setting up an ad-hoc group to assess the existing models^(*)

^(*) The document contains a proposal of Template for the assessment



Thank You for your attention!

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