

Submitted by the expert from CITA

Informal document **GRVA-12-14**  
12<sup>th</sup> GRVA, 24-28 January 2022  
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## **12<sup>th</sup> GRVA**

# Access to in-vehicle data

January 24<sup>th</sup> to 28<sup>th</sup>, 2022

Eduard Fernández, Executive Director

- ✓ **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 UN Regulations Nos. 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**

...

- **Recommendations**

## Setting up an ad-hoc group to assess the existing models<sup>(\*)</sup>

<sup>(\*)</sup> The document contains a proposal of a template for the assessment



**Thank You for your attention!**

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