



FEDERATION
INTERNATIONALE
DE L'AUTOMOBILE

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Vehicle On-Board Authorisation Concept

To be discussed at the UNECE / GRVA Informal Working Group
on Cyber Security and Over-The-Air Software Updates (CS/OTA)
Document# TFCS-31-XX

RECENT PROGRESS

- 2 formal group meetings with several NGOs and CPs, discussion based on [TFCS-30-04](#)
- Reaching out to further CPs to seek additional input
- Discussed in detail ISO 21177, ISO/TS 21184, ISO/TS 21185, ISO/DTS 5616 as a possible pathway for on-board authorisation of data. Researching further.
- Conducting survey among participants for 6- / 12-month goals and path forward
- Terms of Reference / Rules of Procedure in preparation

FUTURE OUTLOOK

- Next meeting Sep 5: > review Terms of Reference / Rules of Procedure
 - > summarize participants' suggested goals and path forward
 - > open to all IWG on CS/OTA participants, please contact S. Beiker
- Scope to set use cases, security levels, roles, level of technology-specificity, UNRs...
- Potential baseline document to summarize data access / privacy / security by regions
- Aiming for some early recommendations to GRVA by end of 2024

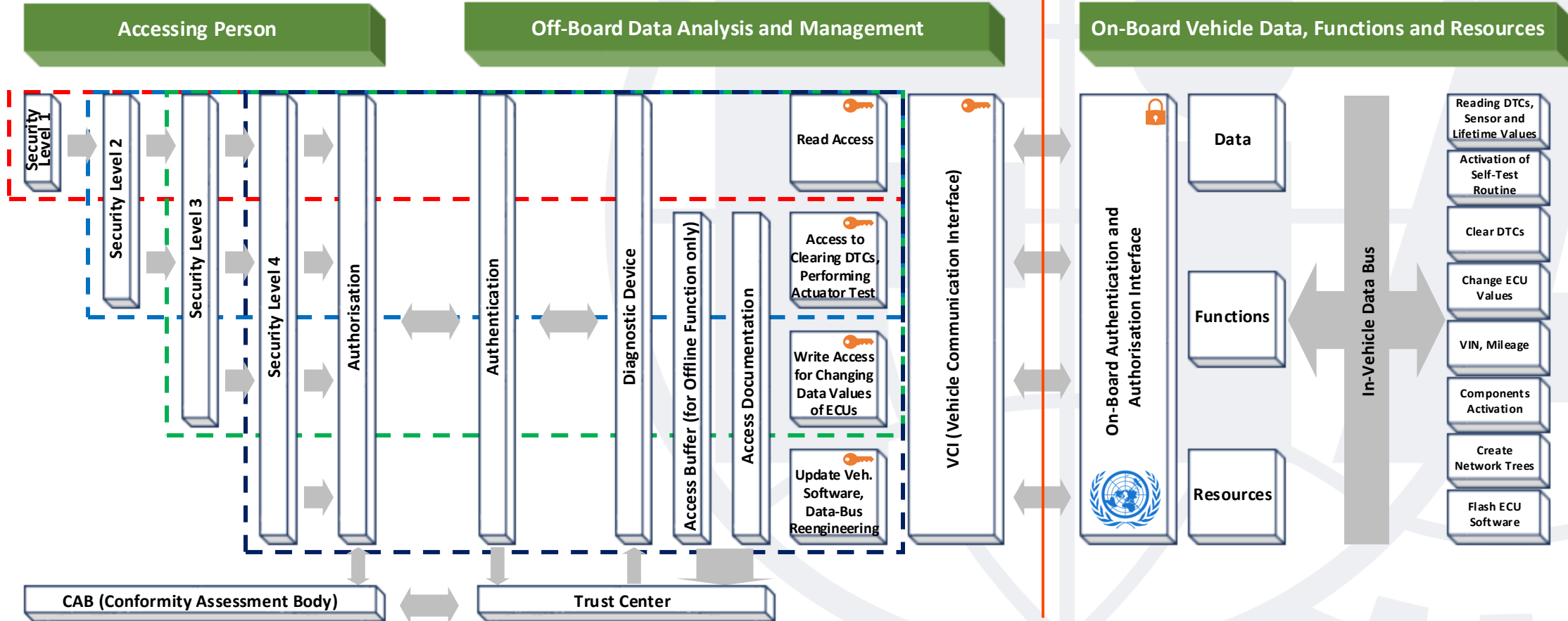
An authorisation concept shall split responsibilities and differentiate between off- / on-board data & functions

- for context only, taken from TFCS-30-04 -

Architecture example for off-board and on-board authentication and authorisation - *conceptual* -

🔑 Devices serving as "key"
> responsibility of individual Contracting Parties

🔒 Devices serving as "lock"
> responsibility of UNECE





PUT CITIZENS IN THE POLE POSITION

Maintain the balance between vehicle security and accessibility over the vehicle's lifetime

Respect citizens' privacy and put them in control