

Interface analysis and data set-specific criticality assessment for future connected and automated vehicles

CLIENT: EUROPEAN INFRASTRUCTURE AUTHORITY

BACKGROUND: Client is aiming to educate future policy decision around connected and automated vehicles (CAV). FEV was asked to provide insights into interfaces and collected data sets of a 2025 CAV.

DELIVERABLES

- Definition of 2025 CAV baseline vehicle along 4 key dimensions: vehicle type, AD functions, sensor types, data interfaces
- Sensor types and data interface benchmark:
 - Different types of camera, radar and lidar
 - GNSS, HD Map, network uplink, communication
- Identification and analysis of up to 45 required information sets for three automation functions
 - Sensor-specific suitability assessment for data provision
 - Safety criticality assessment
- Elaboration of CAV policy recommendations, in particular for safety critical sets of information (7 in total)

