

Annex no. 8

Operational Description

Description

The Immobilizer Subsystem utilizes a Crypt Transponder within a Driver Identification Device to determine if a valid driver is attempting to start the vehicle. The determination of the Crypt Transponder within the Driver Identification Device is communicated by an interface between the Immobilizer Master (BCM) and the Immobilizer Antenna Module. The interface is a dedicated link based on the SAE J2602 LIN specifications. The LF communications between the Immobilizer and the Crypt Transponder is at 125 KHz. The authentication takes place prior to the starting of the car, and lasts 100 ms under ideal conditions, or up to 7 seconds under worst case conditions.

Technical Data

Carrier frequency: 125 kHz

Supply voltage: 12 V

Battery type: Car battery