|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.32.2 | 2 | | Key EVC deletion | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify the correct key deletion in the EVC. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | SB | |
| Train Speed (km/h) | | | | 0 | |
| Additional starting conditions | | | | Case 1: The RU has its own KMC:  There is an operative KMAC already installed in the RBC and the EVC for the authentication between them.  The key deletion archive generated by the KMC-1 (IM) is available.  The key deletion archive is sent to the RU.  The KMC-2 (RU) generates the final deletion archive for the EVC.  Case 2: The EVC belongs to the KMC(IM) domain:  There is an operative KMAC already installed in the RBC and the EVC for the authentication between them.  The key deletion archive generated by the KMC(IM) is available.  The key deletion archive is sent to the RU to be installed in the EVC. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The EVC establishes a communication session with the RBC. | DMI (O) | | Safe radio connection “Connection Up” symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 155  Message 32  Message 159  Message 129  Message 8  DMI\_SYMB\_STATUS  ST03 | | |  |
| 2 | “Start” is selected. | DMI (O) | |  | | |  |
| DMI (I) | | “Start” selection | | |  |
| JRU | | M\_DRIVERACTION = 19  Message 132  Packet 0/1 | | |  |
| 3 | The RBC sends a movement authority to run in SR. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 2 | | |  |
| 4 | The driver acknowledges SR mode. | DMI (O) | | SR Symbol | | |  |
| DMI (I) | | Acknowledgement of SR | | |  |
| JRU | | M\_DRIVERACTION=3 | | |  |
| M\_MODE =2  DMI\_SYMB\_STATUS  MO09 | | |
| 5 | “End of Mission” is performed. | DMI (O) | |  | | |  |
| DMI(I) | | Desk is closed | | |  |
| JRU | | Message 150  Message 156  Message 39 | | |  |
| 6 | The key deletion archive is loaded. The desk is opened. The EVC tries to establish a communication session with the RBC. | DMI (O) | | SB Symbol | | |  |
| DMI(I) | | Desk is opened | | |  |
| JRU | | DMI\_SYMB\_STATUS  MO13 | | |  |
| 7 | The DMI displays a connection failure with the RBC. | DMI (O) | | Safe radio connection “Connection Lost/Set-Up failed” symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | DMI\_SYMB\_STATUS  ST04 | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | SB | | |  |
| Train Speed (km/h) | | 0 | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | |  | | | | | |