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| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.14.7 | 2 | | Mode transition from FS to SH at further location ordered by trackside. The driver does not acknowledge the request of SH mode. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the EVC does not transit to SH mode and the system supervises the SH area entry as an EoA without release speed. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | NR | |
| Additional starting conditions | | | | The train is running in the proximity of a light signal which is open for SH  The radio communication session is established with the RBC. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The train runs towards a light signal showing SH aspect and receives from the RBC a SH mode profile with a transition to SH mode order in further location. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/33/37  Packet 15  Packet 21  Packet 27  Packet 80  M\_MAMODE = 1  D\_MAMODE = D  V\_MAMODE = Vsh  L\_ACKMAMODE = L  Q\_MAMODE=1 | | |  |
| 2 | The EVC enters in braking curve. The beginning of the SH area is considered as an EoA with no release speed. | DMI (O) | | Braking curve to the beginning of the SH area with no release speed | | |  |
| DMI (I) | |  | | |  |
| JRU | | SPEED AND DISTANCE MONITORING INFORMATION  V\_PERM decreases  V\_TARGET = 0  M\_SDMTYPE=1  V\_RELEASE = 0 | | |  |
| 3 | The train follows the braking curve until reaches the acknowledgement area and the driver is requested to acknowledge the transition to SH mode. | DMI (O) | | Vtrain < Vsh  “Ack of SH” message | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_TRAIN < Vsh  Estimated front end > D – L\_ACKMAMODE  DMI\_SYMB\_STATUS  MO02 | | |  |
| 4 | SH mode is not acknowledged. | DMI (O) | | Ack SH message  Braking curve to the beginning of SH area without release speed | | |  |
| DMI (I) | |  | | |  |
| JRU | | SPEED AND DISTANCE MONITORING INFORMATION  V\_PERM decreases  V\_TARGET = 0  M\_SDMTYPE=1  V\_RELEASE = 0  DMI\_SYMB\_STATUS  MO02 | | |  |
| 5 | The train reaches the EoA and stops before entering the SH area. | DMI (O) | | Ack SH message  Vpermitted = 0 | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_TRAIN = 0  V\_PERM = 0  DMI\_SYMB\_STATUS  MO02 | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | FS | | |  |
| Train Speed (km/h) | | 0 | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | |  | | | | | |