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| *TEST CASE DESCRIPTION* | | | | | | |
|  | | Code | Version | Title | | |
| Test Case | | 3.20.1 | 1 | Unconditional emergency stop (UES), movement authority is revoked and further update. | | |
|
| Baseline applicable | | Baseline 3 | | | | |
| Test case author | | ADIF | | | | |
| Test Objective(s) | | Verify that the EVC switches to TR mode after an unconditional emergency stop is received. Thereafter an authorization of SR mode is received from the RBC to continue running. | | | | |
| Diagram | |  | | | | |
| Starting conditions | | Level | | | 2 | |
| Mode | | | FS/OS/SR | |
| Train Speed (km/h) | | | NR | |
| Additional starting conditions | | | The train runs in FS (or OS or SR) and if possible, in a handover area.  It is requested to the signalman an emergency revocation of the route where the train is running. | |
| Sequence of the Test Case | | Checkpoints | | | | |
| Step | Step description | Interfaces | Description of what to be tested at the interface | | | OK? |
| 1 | The RBC sends an unconditional emergency stop. | DMI (O) |  | | |  |
| DMI (I) |  | | |  |
| JRU | Message 16  NID\_EM (1) | | |  |
| 2 | Management of the emergency stop. | DMI (O) | TR symbol Emergency stop message Emergency brake symbol | | |  |
| DMI (I) |  | | |  |
| JRU | M\_MODE = 7 EMERGENCY BRAKE COMMAND STATE = COMMANDED Message 147  NID\_EM (1)  DMI\_SYMB\_STATUS  MO04, ST01  SYSTEM\_STATUS\_MESSAGE  Emergency stop | | |  |
| 3 | The train is brought to standstill. | DMI (O) | Vtrain = 0 Emergency brake symbol | | |  |
| DMI (I) |  | | |  |
| JRU | V\_TRAIN=0 Message 136  Packet 0  DMI\_SYMB\_STATUS  ST01 | | |  |
| 4 | The driver acknowledges TR mode. | DMI (O) | PT symbol Emergency brake symbol disappears | | |  |
| DMI (I) | Acknowledgement of TR mode | | |  |
| JRU | M\_DRIVERACTIONS=2 M\_MODE = 8 Message 136  Packet 0 EMERGENCY BRAKE COMMAND STATE= NOT COMMANDED  DMI\_SYMB\_STATUS  MO06 | | |  |
| 5 | RBC acknowledges PT mode. | DMI (I) |  | | |  |
| DMI (O) |  | | |  |
| JRU | Message 6 | | |  |
| 6 | The RBC sends the revocation message of the emergency stop.  The EVC sends the acknowledgement of the revocation. | DMI (O) | Emergency stop symbol disappears | | |  |
| DMI (I) |  | | |  |
| JRU | Message 18  NID\_EM (1)  M\_ACK=1 Message 146 | | |  |
| 7 | The driver selects Start and the EVC requests a MA. SR authorization is sent by the RBC. | DMI (O) |  | | |  |
| DMI (I) | Start is selected | | |  |
| JRU | M\_DRIVERACTIONS=19 Message 132 Message 2 | | |  |
| 8 | The driver acknowledges the mode transition to SR. | DMI (O) | SR symbol | | |  |
| DMI (I) | Acknowledgement of SR mode | | |  |
| JRU | M\_MODE = 2 M\_DRIVERACTIONS = 3 Message 136  Packet 0  DMI\_SYMB\_STATUS  MO09 | | |  |
| Final state | | Level | 2 | | |  |
| Mode | SR | | |  |
| Train Speed (km/h) | NR |  |  |  |
| Other parameters |  |  |  |  |
| Final Test Result | |  | | | | |
| Field of Application | | Spain | | | | |
| Briefing instructions | | To be executed at any location of the line | | | | |