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| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.3.2 | 1 | | MA update in FS mode. New EoA at an ETCS marker board. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the EoA is updated when the train receives a shortened MA (with new EoA at an ETCS marker board) followed by an extension of the MA. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | NR | |
| Additional starting conditions | | | | The train is approaching to an ETCS marker board with MA that ends beyond the marker board. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | It is requested to the signalman to close the ETCS markerboard inside the received MA.  The RBC sends a conditional emergency stop (CES) to the markerboard (\*). | DMI (O) | | D\_target is shortened to the closed marker board | | |  |
| Vpermitted decreases | | |
| DMI (I) | |  | | |  |
| JRU | | Message 15  NID\_EM = EM1  D\_EMERGENCYSTOP = D1 < previous MA length | | |  |
| 2 | The EVC checks that the min safe front end of the train has not passed the proposed CES stop location yet and that the proposed CES stop location is not beyond the current EoA/SvL  The EVC accepts the CES (i.e. defines a new EoA/SvL) and informs the RBC. | DMI (O) | | D\_target is shortened to the closed marker board | | |  |
| Vpermitted decreases | | |
| DMI (I) | |  | | |  |
| JRU | | Message 147  NID\_EM = EM1  Q\_EMERGENCYSTOP = 0  Packet 0/1  D\_LRBG - L\_DOUBTOVER < D1  D\_TARGET = D1 (distance to the ETCS markerboard) | | |  |
| 3 | The RBC revokes the CES. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 18  NID\_EM = EM1 | | |  |
| 4 | The EVC requests MA. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 132  Q\_TRACKDEL=1 | | |  |
| 5 | It is requested to the signalman to open the ETCS markerboard.  The RBC sends an extension of the movement authority. | DMI (O) | | Dtarget is extended | | |  |
| Vpermitted is updated | | |
| DMI (I) | |  | | |  |
| JRU | | Message 3/33  Packet 15  L\_ENDSECTION= L1> D1  D\_TARGET=D2>D1  Message 3/24/33  Packet 68 | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | FS | | |  |
| Train Speed (km/h) | | NR | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | (\*) The MA shortening could be performed by other means like a shorter MA message (message 3) or a cooperative shortening of MA. | | | | | |