## Test Case 2.4

Validated Requirements

271: Enable Door close Announcement bypass button at HMI (Functional Requirement)

2720: Bypass door close command (Functional Requirement)

2720: Provide door close command when bypass button is inactive (Functional Requirement)

Description

This test case verifies the right or left side door close command to TCCU for driver side panel.

Categories

|  |  |
| --- | --- |
| Formal Test | Yes |
| Execution Environment | Lab |
| V-Level | System |
| Function Group | Passenger Information and Entertainment Systems |
| Regression | No |
| Automated | No |
| Single Unit Operation Applicability | Yes |
| Multiple Unit Operation Applicability | No |

Pre-Condition

Set Train in TS3 State for DT-1 Cab.

Test Case Design

|  |  |  |
| --- | --- | --- |
| No | Action | Expected Results |
| 1 | Set DT-1 Cab is Active. | Verify that DT-1 is activated on HMI.  Verify that user mode is in Train-Captain (operator mode) on HMI.  Verify that Driving mode status as ‘No driving mode’ on HMI.  Verify that Bypass door close announcement command is displayed as Inactive on HMI.  Verify that door close command to TCCU request is Inactive for SIDE-A.  Verify that door close command to TCCU request is Inactive for SIDE-B. |
| 2 | Set Driving mode status to RM forward mode. | Verify that driving mode is set to RM forward driving mode on HMI.  Verify that Bypass door close announcement command is displayed as Inactive on HMI.  Verify that door close command to TCCU request is Inactive for SIDE-A.  Verify that door close command to TCCU request is Inactive for SIDE-B. |
| 3 | Set user mode is in Maintenance Mode. | Verify that user mode is displayed as ‘Maintenance mode’ on HMI.  Verify that Bypass door close announcement command is displayed as Inactive on HMI.  Verify that door close command to TCCU request is Inactive for SIDE-A.  Verify that door close command to TCCU request is Inactive for SIDE-B. |
| 4 | Set Bypass door close announcement command to activate. | Verify that Bypass door close announcement command is displayed as activated on HMI.  Verify that door close command to TCCU request is Inactive for SIDE-A.  Verify that door close command to TCCU request is Inactive for SIDE-B. |
| 5 | Doors Close Request on driver side panel to active for Side-A. | Verify that door close command to TCCU request is set to Active for SIDE-A. |
| 6 | Doors Close Request on driver side panel to Inactive for Side-A. | Verify that door close command to TCCU request is reset to Inactive for SIDE-A. |
| 7 | Doors Close Request on driver side panel to Active for Side-B. | Verify that door close command to TCCU request is set to Active for SIDE-B. |
| 8 | Doors Close Request on driver side panel to Inactive for Side-B. | Verify that door close command to TCCU request is reset to Inactive for SIDE-B. |
| 9 | Doors Close Request on driver side panel to active for both Sides. | Verify that door close command to TCCU request is set to Active for SIDE-A.  Verify that door close command to TCCU request is set to Active for SIDE-B. |
| 10 | Doors Close Request on driver side panel to Inactive for both Sides. | Verify that door close command to TCCU request is reset to Inactive for SIDE-A.  Verify that door close command to TCCU request is reset to Inactive for SIDE-B. |
| 11 | Set Driving mode status as ‘No driving mode’. | Verify that RM forward driving status is reset to ‘No driving mode’ on HMI. |
| 12 | Repeat the above steps from 2-11 for RM Reverse mode and Standby mode. | |
| 13 | Set Driving mode status as ‘No driving mode’. | Verify that driving mode reset to ‘No driving mode’ on HMI.  Verify that door close command to TCCU is inactive. |
| 14 | Set Maintenance mode into operator mode (Train-Captain). | Verify that operator (Train-Captain) mode is displayed on HMI. |
| 14 | Set DT-1 Cab as inactive. | Verify that DT-1 is Inactivated on HMI. |
| 15 | Repeat the above steps from 1-14 for DT-2 cab. | |

Post-Condition

Set Train State is TS1 for DT2 cab**.**