## Test Case 2.10

Validated Requirements

189: Start self test of PIES system (Functional Requirement)

18: Enable self test of PIES system from HMI screen (Functional Requirement)

190: Display PIS self test result at HMI (Functional Requirement)

Description

ThisTest case verifies Self test of PIES system from HMI.

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 State to TS3 for DT-1 Cab.

Test Case Design

|  |  |  |
| --- | --- | --- |
| Sl No | Action | Expected Result |
| 1 | Set DT-1 Cab is activated. | Verify that cab-1 is activated.  Verify that Self test command is not activated. |
| 2 | Click Test button from menu screen on HMI to initiate a Test screen | Verify that a Test screen is displayed on HMI as PIS Test screen.  Verify that Self test command is not activated. |
|  |
| 3 | PIS test button on test screen from HMI is not clicked(Self test of PIES system is not initiated). | Verify that Self test command is not activated. |
| 4 | Click PIS test button on test screen from HMI(Self test of PIES system is initiated). | Verify that Self test command is active. |
|  |
| 5 | wait for 1 sec | Verify that Self test command is active. |
| 6 | wait for 2 sec | Verify that Self test command is inactive. |
| 7 | Set self test is running | Verify that PIES self test result is not displayed on HMI |
| 8 | Set self test is over | Verify that test result of the following Self Test is displayed in the HMI with Fault/Ok status |
| 1.Train Communication Control Unit(TCCU) |
| 2.Ceiling Level Display |
| 3.Car Door Display |
| 4.Train Number Indicator |
| 5. Front Cam |
| 6. Cab Cam |
| 9 | Set DT-1 cab is deactivated | Verify that no cab is active |
| 10 | Repeat Action-1 to Action-9 for DT-2 cab | |

Post-Condition

Set Train State to TS1.