## Test Case 4.2

Validated Requirements

27: Buzzer Sounding Restricted Mode (Functional Requirement)

Description

This test case verifies the Buzzer with a request of sounding the RM tone.

Categories

|  |  |
| --- | --- |
| Formal Test | Yes |
| Execution Environment | Lab |
| V-Level | System |
| Function Group | Diagnostics |
| Regression | No |
| Automated | No |
| Single Unit Operation Applicability | Yes |
| Multiple Unit Operation Applicability | No |

Pre-Condition

Set train state to TS3.

Test Case Design

|  |  |  |
| --- | --- | --- |
| Sl.no | Action | Expected Result |
| 1 | Set DT1 cab to Active | Verify that the buzzer with a request of sounding the RM tone for 5 Sec. |
| Set the Train is in Restricted Mode. |
| Train is at Train-captain Operator Mode. |
| Set not any Most Significant Alarm is detected. |
| Set the DIR is not energized |
| 2 | Set the Train is not in Restricted Mode. | Verify that the buzzer with no request of sounding the RM tone for 5 Sec. |
| Train is at Train-captain Operator Mode. |
| Set not any Most Significant Alarm is detected. |
| Set the DIR is not energized |
| 3 | Set the Train is in Restricted Mode. | Verify that the buzzer with no request of sounding the RM tone for 5 Sec. |
| Set train as Train-captain Operator Mode. |
| Set any Most Significant Alarm is detected. |
| Set the DIR is not energized |
| 4 | Set the Train is in Restricted Mode. | Verify that the buzzer with no request of sounding the RM tone for 5 Sec. |
| Train is in Train-captain Operator Mode. |
| Set not any Most Significant Alarm is detected. |
| Set the DIR is energized |
| 5 | Set the Train is not in Restricted Mode. | Verify that the buzzer with no request of sounding the RM tone for 5 Sec. |
| Train is in Train-captain Operator Mode. |
| Set any Most Significant Alarm is detected. |
| Set the DIR is energized |
| 6 | Repeat the Above Steps for DT2 Cab | |

Post-Condition

Set train state to TS1.