This document describes the suite of tests for the setup mode

As the opcodes are available to any test suite, the test cases for the opcodes used in this test are described in their own test case documents, to avoid duplication across test suites

This test suite is intended to exercise the CBUS messages that are only valid whilst in setup mode

# Starting assumption

The unit under test has to be put into ‘setup’ mode – currently using the pcb button and the mode cbus message are supported

# Test QNN command

Displays node numbers of all modules that respond, to give visual confirmation that target is responding at start of test. Also programmatically checks target node is present if a number has been entered (no check preformed if no number entered)

|  |  |  |
| --- | --- | --- |
| **Test case** | **Opcode** | **parameters** |
| Test\_QNN | 0x0D | None |

# Test MODE command

Uses the mode command with a mode value of 0 to select setup mode

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| --- | --- | --- |
| **Test case** | **Opcode** | **parameters** |
| Test\_MODE | 0x76 | node number, mode number = 0 |

# Check for RQNN received

Checks for a specified time for a RQNN to be received from the unit under test, and stores the node number received for use with the SNN test below

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| --- | --- | --- |
| **Test case** | **Opcode** | **parameters** |
| Check\_RQNN | 0x50 | None |

# Test RQMN

Retrieves NAME from unit under test

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| --- | --- | --- |
| **Test case** | **Opcode** | **parameters** |
| Check\_RQMN | 0x11 | None |

# Test RQNP

Retrieves first 7 node parameters from unit under test

|  |  |  |
| --- | --- | --- |
| **Test case** | **Opcode** | **parameters** |
| Check\_RQNP | 0x10 | None |

# Test SNN

Resets unit under test to previous node number and exits ‘setup’ mode

|  |  |  |
| --- | --- | --- |
| **Test case** | **Opcode** | **parameters** |
| Check\_SNN | 0x42 | Required node number |