### Test 050-09-12 SOM Sent

#### Description

Test the Start of Message SOM constant value 0x53 and its use for synchronization and that all messages MUST begin with 0x53 and anything before that is ignored.

##### PD

Determine PD responses all begin with SOM.

##### ACU

Determine ACU responses all begin with SOM.

#### Purpose

ACUs and PDs MUST have and use the message synchronization value as specified in the standard to determine the start of messages and ignore anything before the SOM.

#### Criteria

|  |  |
| --- | --- |
| Basic OSDP (PD) | Required |
| Basic OSDP (ACU) | Required |
| Secure Channel (PD) | Required |
| Secure Channel (ACU) | Required |
| BIO Match (PD) | Required |
| BIO Match (ACU) | Required |
| BIO Read (PD) | Required |
| BIO Read (ACU) | Required |
| Extended Packet Mode (PD) | Required |
| Extended Packet Mode (ACU) | Required |
| Extended Read/Write (PD) | Required |
| Extended Read/Write (ACU) | Required |

#### Test action

##### PD Test

* Connect PD to test harness and capture trace
* Determine SOM is used correctly across tests executed by Sequencer

##### ACU Test

* Connect ACU to test harness and capture trace
* Determine SOM is used correctly across tests executed by Sequencer

#### Development status

tbd

#### Test Results

JSON tags

|  |  |
| --- | --- |
| test | 050-09-12 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

New in 2.4.2