### Test 050-09-02 Process Sequence Zero

#### Description

##### PD

PD’s must discard the last reply and process the current command when sequence zero is sent. The PD must reply using sequence zero when receiving a sequence zero command. The PD may respond with sequence zero to indicate that the ACU must reset the sequence including any secure channel session that is currently active.

##### ACU

ACU’s must only send sequence zero only for communication startup, at boot time or after a communications loss. Normal communications cycle through sequence numbers one through three.

#### Purpose

Sequence zero should be used only for communication startup, at boot time or after a communications loss. Zero forces the PD to discard its last reply and to accept and process the current command.

#### 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

* Send a poll or command from the ACU with sequence zero. Check that PD response with a sequence zero.

##### ACU Test

* Fail if sequence is not restarted with zero for communication startup, at boot time or after a communications loss
* Fail if after receiving a sequence zero, the next command sent is not sent with sequence one
* Fail if after receiving a sequence zero response, the secure channel session is not cleared and restarted.

#### Development status

Available in libosdp-conformance 1.28-1

#### Test Results

JSON tags

|  |  |
| --- | --- |
| test | 050-09-02 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

Refreshed for 2.1.