### Test 050-09-18 Config commands in cleartext

#### Description

Determine that configuration commands are processed at all times in cleartext.

##### PD

PD’s must respond to *only* the designated set of directives (on their address or on the config address) in the clear even if in secure channel (paired or not.)

##### ACU

If there is an active secure channel session or if the PD is responding with “NAK – Encryption required” then an ACU may use configuration and secure channel setup commands in the clear. This means only osdp\_ID, osdp\_CAP, osdp\_COMSET and osdp\_CHLNG are valid while secure channel is expected by the PD or in use at the ACU. An ACU with an active valid secure channel session with a PD is expected to use encrypted communications for ID, CAP, or COMSET.

#### Purpose

Confirm cleartext commands use is limited.

#### 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 cleartext poll and confirm it gets NAK’d. Send a cleartext ID command and confirm a PDID response is received.

##### ACU Test

Fail if invalid cleartext communications is detected.

#### Development status

Available in [libosdp-conformance 1.31.1-Build-4](https://github.com/Security-Industry-Association/libosdp-conformance/releases/tag/1.31-4)

#### Test Results

JSON tags

|  |  |
| --- | --- |
| Test | 050-09-18 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

Refreshed for 2.4.2