### Test 070-05-01 PD Capabilities PDCAP

Determine that the PD responds with the capabilities it supports in response to CAP command.

##### PD

PD MUST properly respond to the CAP command with proper responses for the device under test as per Table 49.

##### ACU

ACU MUST issue CAP command and use PDCAP response to determine command set able to be processed by the PD.

#### Purpose

Used so the PD can provide the ACU details of its capabilities and the ACU can determine commands supported.

#### 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

Respond to osdp\_PDCAP command with capabilities support with PDCAP response. The confirm supported capabilities with appropriate test cases.

##### ACU Test

Issue CAP command, process PDCAP response, exercise PD capabilities reported.

#### Development status

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

#### Test Results

JSON tags

|  |  |
| --- | --- |
| test | 070-05-01 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

New as 2.4.2