### Test 070-05-09 Capability: Character Support

#### Description

##### PD

Provide capability 8 in the osdp\_PDCAP 0x46 response of supporting 16-bit CRC-16 mode.

##### ACU

Accept this capability, and whether it is used.

#### Purpose

Determine ability support full character set and CRC-16 mode..

#### Criteria

|  |  |
| --- | --- |
| Basic OSDP (PD) | Optional |
| 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

Use test bench tool to determine coverage, while exercising CRC-16 communications and secure channel session.

##### ACU Test

Use test bench tool to determine coverage, while exercising CRC-16 communications and secure channel session.

#### 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 | 070-05-09 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

Refreshed for 2.4.2