### Test 050-09-04 ADDR - Address

#### Description

##### PD

PD’s must reply to commands directed to its address by setting the most significant bit (0x80).

##### ACU

ACU’s must only send addresses by setting the seven least significant bits.

#### Purpose

Address field indicates PD address 0x00-0x7E inclusive or special configuration address 0x7F. The seven least significant bits of the character byte contains the address value. The PD reply sets the most significant bit (0x80)

#### 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

* Verify that every response packet has the most significant bit set with the correct address in the other seven least significant bits.
* The most significant bit must be set to 1.

##### ACU Test

* Verify that every command packet contains the address in the seven least significant bits.
* The most significant bit must be set to 0.

#### Development status

Available in libosdp-conformance 1.28-1?

#### Test Results

JSON tags

|  |  |
| --- | --- |
| test |  |
| test-status | 1 for pass, 0 for fail |

#### Revision History

Refreshed for 2.1.