### Test 070-16-01 CCRYPT Client ID and Client Random Number

#### Description

##### PD

Part of secure channel initiation sequence. Response to osdp\_CHLNG command.

##### ACU

Part of secue channel initiation sequence. Expected as second message of sequence (D.1) to be received from PD with valid values.

#### Purpose

Support establishing secure channel by issuing osdp\_CHLNG and processing the data block to create a cryptogram (SCRYPT).

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

Confirm the 4-message secure channel initiation sequence described in Annex D, Section D.1 is completed without interruption.

##### PD Test

Provide data in byte format describes in Table D.5.

##### ACU Test

Issue CHLNG process data block and continue to establish secure channel

#### 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 | 070-16-01 |
| test-status | 1 for pass, 0 for fail |

### *References*

SIA OSDP 2.2 (defines symbols osdp\_CHLNG etc.)

#### Revision History

Revised 2.5.3