### Test 060-17-01 Challenge and Secure Session Initialization Request CHLNG

First step in Secure Channel Session Connection Sequence

##### PD

PD MUST process osdp\_CHLNG command and issue response as in Table D.3 and initialize a SCS connection sequence.

##### ACU

ACU MUST issue valid osdp\_CHLNG command and values in Table D.3 and continue the SCS connection sequence.

#### Purpose

Used to initialize secure channel session.

#### Criteria

|  |  |
| --- | --- |
| 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

Determine that PD responds to CHLNG and continues with CCRYPT in secure channel sequence and maintains synchronization during secure channel.

##### ACU Test

Induce the ACU to issue a CHLNG and continues with the secure channel connection sequence.

#### 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 | 060-17-1 |
| test-status | 1 for pass, 0 for fail |

### *References*

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

#### Revision History

Revised 2.5.3