### Test 060-18-01 Server’s Random Number and Server Cryptogram SCRYPT

Transfers data for encryption synchronization.

##### PD

PD MUST support the osdp\_SCRYPT as required and continue the SCS connection sequence with RMAC\_I.

##### ACU

ACU MUST issue valid osdp\_SCRYPT command and values in Table D.2 and continue the SCS connection sequence.

#### Purpose

Used in the process of establishing a 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 SCRYPT and continues with RMAC\_I in secure channel sequence and maintains synchronization during secure channel.

##### ACU Test

Induce the ACU to issue an SCRYPT 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 | 060-18-1 |
| test-status | 1 for pass, 0 for fail |

### *References*

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

#### Revision History

Revised 2.5.3