### Test 060-25-01 Authentication Challenge CRAUTH

##### Command for PD to perform cryptographic challenge where the challenge payload is in the message.

##### PD

PD sends unencrypted payload and expects encrypted response as response to challenge as per Table 64.

##### ACU

ACU sends CRAUTH as described in Table 33 and process CRAUTHR response as per Table 64.

#### Purpose

Support credential authentication

#### Criteria

|  |  |
| --- | --- |
| Basic OSDP (PD) | Optional |
| Basic OSDP (ACU) | Optional |
| Secure Channel (PD) | Optional |
| Secure Channel (ACU) | Optional |
| BIO Match (PD) | Optional |
| BIO Match (ACU) | Optional |
| BIO Read (PD) | Optional |
| BIO Read (ACU) | Optional |
| Extended Packet Mode (PD) | Required |
| Extended Packet Mode (ACU) | Optional |
| Extended Read/Write (PD) | Optional |
| Extended Read/Write (ACU) | Optional |

#### Test action

##### PD Test

The PD processes the CRAUTH command and returns CRAUTHR response, determine this was done as described in Table 64.

##### ACU Test

Issue CRAUTH command and process CRAUTH response as per Tables 33 and 64.

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#### 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 | 060-25-01 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

New as 2.4.2