### Test 070-03-09 NAK 6 Encryption Requirements

Determine proper error codes in NAK response as detailed in Table 47 for NAK Error Code Value 0x06 in the case encryption is required to process a command.

##### PD

PD MUST respond with 0x06 if the command received requires a response in secure channel

##### ACU

ACU MUST accept and process Error Code Value 0x06 and cease the creating a command outside secure channel and return to appropriate clear channel communications.

#### Purpose

Used by PD to let ACU know that it received a command in cleartext and inappropriately expecting a cleartext (unencrypted) response.

#### 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) | Optional |
| Extended Packet Mode (ACU) | Optional |
| Extended Read/Write (PD) | Optional |
| Extended Read/Write (ACU) | Optional |

#### Test action

##### PD Test

Send a command that requires a cleartext response, apart from those that are allowed) while in secure channel. PD responds with NAK and 0x06 response to indicate to the ACU that the command is inappropriate.

##### ACU Test

Confirm ACU can process error code and react accordingly after sending an inappropriate command, and cease sending the command expecting an unencrypted response.

#### 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 | 070-03-09 |
| test-status | 1 for pass, 0 for fail |

#### Revision History

New as 2.4.2