******uOLT Data Link Configuration, Cross connect and PON Connections**

***Objective:***

The objective of the following tests is to configure, data links, cross connect and PON connections allowing traffic to flow between connected hosts.

***Procedure:***

* + - * 1. ***Data Link Configuration***

pon-ctrl onus onu onu\_1 OLT\_1 datalinks datalink datalink\_1 admin-state enabled

uni-ports 1

sla-profile sla\_1 exit

exit exit exit exit

pon-ctrl onus onu onu\_2 OLT\_1 datalinks datalink datalink\_2 admin-state enabled

uni-ports 1

sla-profile sla\_1 exit

exit exit exit exit

***Expected Results:***

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_1 datalinks datalink

datalink\_1

+ DATALINK +

| Parameter | Value |

+ + +

| Name | datalink\_1|

| Admin State | Enabled |

| SLA Profile | sla\_1 |

| UNI Ports | 1 |

+ + +

| Alloc-ID | 0x481 |

+ + +

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_2 datalinks datalink

datalink\_2

+ DATALINK +

| Parameter | Value |

+ + +

| Name | datalink\_2|

| Admin State | Enabled |

| SLA Profile | sla\_1 |

| UNI Ports | 1 |

+ + +

| Alloc-ID | 0x482 |

+ + +

* + - * 1. ***Cross Connect Configuration***

***Procedure:***

pon-ctrl olts olt OLT\_1 cross-connects cross-connect CROSS\_CONNECT\_1

***Expected Results:***

5171> show pon-ctrl olts olt OLT\_1 cross-connects

+- CROSS CONNECTS +

| Name |

+ +

| CROSS\_CONNECT\_1 |

+ +

* + - * 1. ***PON Connection Configuration***

***Procedure:***

pon-ctrl onus onu ONU\_1 OLT\_1 pon-connections pon-connection PON\_CON\_1

datalink datalink\_1

cross-connect CROSS\_CONNECT\_1 match-ctag-1 65535

match-ctag-2 65535

match-stag 65535 tag-action none

exit exit exit exit exit

pon-ctrl onus onu ONU\_2 OLT\_1 pon-connections pon-connection PON\_CON\_2

datalink datalink\_2

cross-connect CROSS\_CONNECT\_1 match-ctag-1 65535

match-ctag-2 65535

match-stag 65535 tag-action none

exit exit exit

exit exit

***Expected Results:***

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_1 pon-connections

+ PON CONNECTIONS +

| Name | NNI Network | Cross Connect | Datalink | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + + + + +

| PON\_CON\_1 | - | CROSS\_CONNECT\_1 | datalink\_1 | Any | Any | Any | None |

+ + + + + + + + +

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_2 pon-connections

+ PON CONNECTIONS +

| Name | NNI Network | Cross Connect | Datalink | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + + + + +

| PON\_CON\_2 | - | CROSS\_CONNECT\_1 | datalink\_2 | Any | Any | Any | None |

+ + + + + + + + +

**Test Case Results:**

Passed: Yes No Verified by Date/Time Comments