###### uOLT Data Link Configuration, Networks and PON Connections

***Objective:***

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

***Procedure:***

**Data Link Configuration**

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

uni-ports 5

sla-profile SLA\_1 add-ctag 1012

exit exit exit exit exit

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

uni-ports 5

sla-profile SLA\_1 add-ctag 1020

exit exit exit exit exit

***Expected Results:***

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

+ DATALINK +

| Parameter | Value |

+ + +

| Name | DLA\_1 |

| Admin State | Enabled |

| SLA Profile | SLA\_1 |

| UNI Ports | 5 |

| Add Ctag | 1012 |

+ + +

| Alloc-ID | 0x481 |

+ + +

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

+ DATALINK +

| Parameter | Value |

+ + +

| Name | DLA\_2 |

| Admin State | Enabled |

| SLA Profile | SLA\_1 |

| UNI Ports | 5 |

| Add Ctag | 1020 |

+ + +

| Alloc-ID | 0x482 |

+ + +

* Network Configuration

***Procedure:***

pon-ctrl olts olt OLT\_1 nni-networks nni-network NNI\_1 match-stag 0

match-ctag-1 65535

match-ctag-2 65535 tag-action none

exit exit exit exit exit

***Expected Results:***

5170\_PON> show pon-ctrl olts olt OLT\_1 nni-networks

+ NNI NETWORKS +

| Name | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + +

| NNI\_1 | None | Any | Any | None |

+ + + + + +

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

+ DATALINKS +

51|70N\_aPmOeN> |shAodmwinpoSnt-actterl| SoLlAtsProolftilOeL|T\_A1llnonci--InDet|works nni-network

NN+I\_1 +

+ + +

+-|--D-L-A-\_-2--|--

ENnNaIblNeEdTWOR|K --S-L-A-\_-1 |-+

0x482 |

+ + + + +

| Parameter | Value |

+ + +

| Name | NNI\_1 |

| Match S-Tag | None |

| Match C-Tag1 | Any |

| Match C-Tag2 | Any |

| Tag Action | None |

+ + +

| Number of PON Connections | 0 |

+ + +

* PON Connection Configuration

***Procedure:***

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

datalink DLA\_1 nni-network NNI\_1 match-ctag-1 1012

match-ctag-2 0

match-stag 0 tag-action none

exit exit exit exit exit

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

datalink DLA\_2 nni-network NNI\_1 match-ctag-1 1020

match-ctag-2 0

match-stag 0 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 | Datalink | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + + + +

| PON\_CON\_1 | NNI\_1 | DLA\_1 | None | 1012 | None | None |

+ + + + + + + +

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

+ PON CONNECTIONS +

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

+ + + + + + + +

| PON\_CON\_2 | NNI\_1 | DLA\_2 | None | 1020 | None | None |

+ + + + + + + +

Test Case Results:

Passed: Yes No Verified by Date/Time Comments