ONU Configuration

***Objective:***

The objective of this test is to configure an ONU. The serial number of each connected ONU is required for this step. The user is still required to configure the ONU data link which establishes a channel between ONU and uOLT.

***Procedure:***

Enter the serial number of each connected ONU.

pon-ctrl onus onu ONU\_1 OLT\_1 serial-number CIEN00000252

***Expected Results:***

5170> show pon-ctrl olts olt OLT\_1 onus

+ ONUS +

| Name | Serial Number | Oper State | ONU-ID | Number of Links |

+ + + + + +

| ONU\_1 | CIEN00000252 | Registered | 1 | 2 |

+ + + + + +

#### Enable ONU UNI port

pon-ctrl onus onu ONU\_1 OLT\_1 uni-ports uni-port 1 admin-state enabled

5170> show pon-ctrl olts olt OLT1 onus onu onu\_1 uni-ports uni-port 1

+ UNI PORT +

| Parameter | Value |

+ + +

| Name | 1 |

| Admin State | Enabled |

| Max Frame Size | 9216 |

| Configured Speed | Auto |

| Configured Duplex | Auto |

+ + +

| Operational State | Up |

| Operational Speed | 1Gb |

|  |  |  |
| --- | --- | --- |
| | Operational Duplex | | Full | | |
| + | + | + |
| **Create SLA Profile**  ***Objective:*** |  |  |

The objective of this test is to create a SLA profile. The SLA profile controls the bandwidth allocated to an ONU (upstream and downstream).

***Procedure:***

Configure upstream and downstream SLA parameters.

pon-ctrl sla-profiles sla-profile SLA\_1 up-fixed-rate 0

up-guaranteed-rate 128

up-guaranteed-max-burst 409600

up-best-effort-rate 10000000

up-best-effort-max-burst 409600

up-priority 1

up-service-limit 128

up-min-grant-period 0

up-max-grant-period 10

down-guaranteed-rate 128

down-guaranteed-max-burst 262144

down-best-effort-rate 10000000

down-best-effort-max-burst 245760

exit exit exit