



Z H O N E®

Zhone Gpon XML Provisioning Design

(D-OMCI Based)

Version: 1.1

Revision History

Date	Version	Description	Author
20 th April 2012	1.0	XML samples for different provisioning related actions	mea-gss@zhone.com
1 st May 2012	1.1	Added XML samples for PWE related actions. Added upgrade/downgrade action. Actions shown separately for each service. Included cpe profiles related deletions in voip delete action. Added additional info in introductory section to give an overall picture of provisioning.	mea-gss@zhone.com

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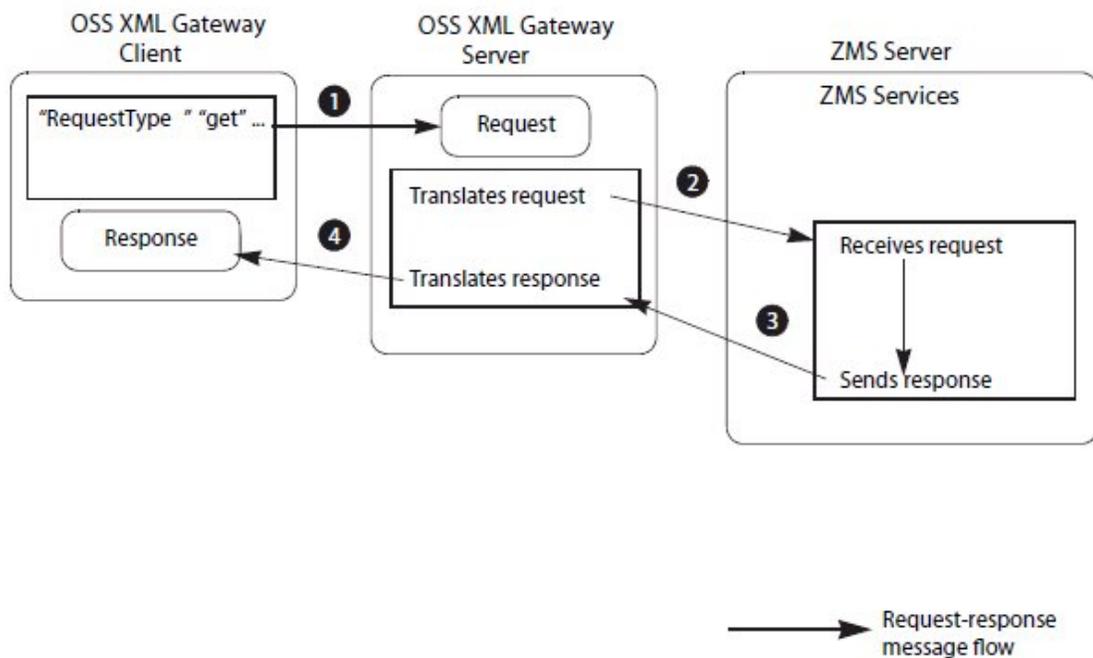
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1 Introduction:

This document is introduced to help the programmers/integrators develop automation of service provisioning using OSS-XML Gateway.

The communication program should translate each service action into one or more XML requests that will be sent to Zhone OSS-XML Gateway listening on udp port 15002

The OSS XML Gateway supports *synchronous* requests, which are requests in which the client waits for a response to the request before continuing with other processing. The below figure shows the flow between a client and the OSS XML Gateway for synchronous requests. The client does not regain control of the program until the response returns from the server.



Summary of Interactions in service provisioning through OSS:

- OSS XML GW clients generate requests to OSS XML GW Server to provision services in Zhone NEs. Client/GW server shall use sockets to communicate with each other. GW server is listening on port 15002 (default setting). Requests are sent as XML files. One XML file will represent one request. The request should contain oss user id and session Id.
- OSS XML GW Server create Web services SOAP message for the received XML request and send to ZMS server. It has JAVA API interface to ZMS Server.
- ZMS Server process that request (and do create object on NE if applicable using snmp) and respond to XML GW server.

- XML GW server send response to XML client in XML using the same communication socket

2 Document Organization:

The ACTION section of this document covers different provisioning actions done through Gateway. Creating a bridge and cpe connection for service on an ont port, Admin down the bridge of a customer, deleting a service from the ONT etc; are examples of ACTIONS.

Such ACTION may involve sending more than one XML input files to OSS Gateway. In most of the cases data retrieved from the response of previous XML request serves as an input to the next XML request. In a way each input xml can be considered as completing a sub-action. Once the required data is collected through previous XMLs, last XML normally involves sending a request to complete the final action to get the desired result.

Under each ACTION, the related sub actions to complete the ACTION are given. The corresponding xml input file to complete each sub action is listed. The mandatory input parameters with sample values are tabulated to show what are the essential parameters required to successfully send a request. The sample response file for the corresponding input file is also shown for reference.

The input parameter values are shown in red in the input sample file. The data of interest retrieved are also shown in red in the response xml file. They are shown as sample values.

3 XML Authentication to get a SessionID

In order to be able to send XML requests to Zhong OSS Gateway the OSS user/client should get authenticated first by sending the XML authenticate request shown. If the authentication is successful, a “SessionID” will be issued by OSS gateway.

This “SessionID” along with the corresponding “loginName” must be supplied for the subsequent input xml files from the client.

[Note: The login account used must be in the zms database. To create an account for the oss user, please contact the ZMS administrator. ZMS administrator can create an account as explained in Appendix]

Sample XML file to get an user authenticated is given below.

Input Parameters:

Parameter	Source	Sample Value	Description	RequestType
loginName	Initialization file or password encrypted file	test	NMS operator name that is configured as OSS-user with write	Authenticate

			priviledges	
password	Initialization file or password encrypted file	test123	NMS user password	

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>authenticate</RequestType>
</Request>
<RequestElement>
<Attribute>
<Name>loginName</Name>
  <Value>test</Value>
</Attribute>
<Attribute>
  <Name>password</Name>
  <Value>test123</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>The operation completed successfully</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>Successfully Authenticated</Description>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<groupId>100000</groupId>
</ResponseElement>
</Response>
```

```
##### END OF OSSXML RESPONSE #####
```

4 Actions:

4.1 Assigning an OMCI ME profile/ONT serial number to an ONU and Activating

This is the **first ACTION** to be done on an ONU before provisioning the first service for the connected ONT. This action is required only once per ONU.

This action is completed by the following sub actions

1. [Get the Device ID of the MXK](#)
2. [Get the Handle ID of the ONU](#)
3. [Assign the ME profile & ONT serial number to ONU & activating ONU](#)

4.1.1 XML Request to get the Device_Id:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Name		MXK-LAB1	MXK name		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
```

```

    <Name>Filter_Type</Name>
    <Value>Device</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
    <Name>Filter_Retrieve</Name>
    <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response

```

##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>283</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.1.2 XML Request to get the Handle ID of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
-----------	--------	--------------	-------------	-------------	-------------

SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	Test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
Card_Id_1		2	GponSlotID (valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
```

```
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>1062280</Handle_Id>
<Handle_Group>100000</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>100000</Card_Group_1>
<Physical_Id_2>1</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>2</Region_Id>
<Device_Group>100000</Device_Group>
<Card_Type_1>Mx8Gpon_Card</Card_Type_1>
<Physical_Group_2>100000</Physical_Group_2>
<Physical_Group_1>100000</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>100000</Shelf_Group>
```

```

<Region_Group>100000</Region_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Root_Type>Root</Root_Type>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.1.3 XML Request to Assign ME profile & ONT serial number to ONU & activating

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	modify
operName	Response of the Authenticate Request	test	OSS response for operName		
Handle_Id (of onu)	Response of the get ONU_Id Request	1062280	OSS Response for Handle_Id of onu		
serialNoVendorId		ZNTS	ZNTS is the FSAN code for zhone ONTs		
onuAdded		1	1 stands onu added=true		
serialNoVendorSpecificHex		12345678	8 digit serial number (in Hex)		
meProfile		zhone-2426	Me profile to be used for 2426 ont. If the ONT model is 2424, use zhone-2424 . The second part after “-“ identifies the ont model		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>1062280</Value>
</Attribute>
<Attribute>
<Name>serialNoVendorId</Name>
<Value>ZNTS</Value>
</Attribute>
<Attribute>
<Name>onuAdded</Name>
<Value>1</Value>
</Attribute>
<Attribute>
<Name>serialNoVendorSpecificHex</Name>
<Value>12345678</Value>
</Attribute>
<Attribute>
<Name>meProfile</Name>
<Value>zhong-2426</Value>
</Attribute>
</RequestElement>
</OSS>
##### OSSXML RESPONSE BEGIN #####

<Response>
<OverAllStatus>Success</OverAllStatus>
```

<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>1062280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx8Gpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<userOntType>1</userOntType>
<onuAdded>1</onuAdded>
<lineGroupKey>284</lineGroupKey>
<gponOnuPassword></gponOnuPassword>
<usRxPowerLowThreshold>20</usRxPowerLowThreshold>
<autoLearn>1</autoLearn>
<ifType>1</ifType>
<cpeDescr></cpeDescr>
<ifIndex>1094</ifIndex>
<name>1-2-8-30</name>
<serialNoVendorSpecific>305419896</serialNoVendorSpecific>
<updateLogicalNames>>false</updateLogicalNames>
<ifTypeExtension>25</ifTypeExtension>
<appendDefaultName>>false</appendDefaultName>
<meProfile>zhone-2426</meProfile>
<serialNoVendorSpecificHex>12345678</serialNoVendorSpecificHex>
<autoUpgrade>1</autoUpgrade>
<redundancyParam1>0</redundancyParam1>

```

<genericProfile></genericProfile>
<ifTypePortId>8</ifTypePortId>
<ontIpAddress>0.0.0.0</ontIpAddress>
<Timestamp>2012-04-16 03:45:02:20</Timestamp>
<ontMacAddress>00:01:47:34:56:79</ontMacAddress>
<onuLineStatusTraps>3</onuLineStatusTraps>
<lineGroupId>76</lineGroupId>
<usRxPowerMonitoring>2</usRxPowerMonitoring>
<ontImageVersionStandby></ontImageVersionStandby>
<ontPhysicalTraps>1</ontPhysicalTraps>
<ontModel></ontModel>
<ontTraps>2</ontTraps>
<ifAdminStatus>1</ifAdminStatus>
<lpDesc>1-2-8</lpDesc>
<useRegId>2</useRegId>
<portDesc></portDesc>
<dbaStatusReporting>2</dbaStatusReporting>
<cpeObjType></cpeObjType>
<ontVersion></ontVersion>
<serialNoVendorId>ZNTS</serialNoVendorId>
<isActive>2</isActive>
<powerLevel>0</powerLevel>
<usRxPowerHighThreshold>-11</usRxPowerHighThreshold>
<usBerInterval>5000</usBerInterval>
<omciConfigFile></omciConfigFile>
<portDescriptionIndex>0</portDescriptionIndex>
<ontImageVersionActive></ontImageVersionActive>
<dsBerInterval>5000</dsBerInterval>
<cpeKey>0</cpeKey>
<fullSerialNo>ZNTS305419896</fullSerialNo>
<fullSerialNoHex>ZNTS12345678</fullSerialNoHex>
</ResponseElement>
</Response>

```

OSSXML RESPONSE END

4.2 Creating H-SI service on an ONU's eth port

- 1) [Get the Device_Id of the MXK](#)
- 2) [Create bridge and cpe connection on the desired eth port of an onu for H-SI service](#)

4.2.1 XML Request to get the Device_Id of the MXK

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	Test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
```

```

<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>283</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.2.2 XML Request to creat bridge and cpe connection for H-SI service

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	add
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of get handle_idof the device request	284	Handle_Id of the MXK got from previous xml		
tp_Type		1	The type of the termination point (i.e. ONU UNI port) assoicated with the MXK bridge. It could		

			<p>be Data UNI, IPTV UNI, PWE, SIP .</p> <p>For HSI or Data UNI, type is 1</p>		
tp_Index		1	<p>Index of the uni port on the ONT. Eth ports are numbered as 1,2,3,4 for eth1 to eth4. Assumed here that H-SI service is adding on eth1</p>		
vlanXlateId		605	<p>Vlan id to be added by ONT for the untagged traffic from eth 1. Assumed here that customer is sending untagged traffic to ont for H-SI service</p>		
gponSlotId		2	<p>Gpon card slot (valid 1 to 14 for MXK819 chassis)</p>		
gponOltId		8	<p>Ponport number (valid 1 to 8)</p>		
gponOnuId		30	<p>Onu number (valid 1 to 64 for 64 splits)</p>		
gponPortId		530	<p>Gemport number (valid value 257 to 3828). Pls see “recommendation” section for a selecting gemport number.</p>		
bridgeTemplate		DownlinkSingleTagged	<p>This is a default bridge template</p>		

			available in ZMS		
egressGroup Template		2-Mb-DOWN	egressGroup template specified must be existing in ZMS. Pls see Appendix for details		
gtpTemplate Name		1-Mb-UP	Gtp template specified must be existing in ZMS. Pls see Appendix for details		
name		H-SI-CUSTOMER-0001	This can be name of the customer or some id for uniquely identifying customer. Bridge created will have the string used in this field		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>

```

```
<Value>284</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
  <Name>tpType</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>tpIndex</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>vlanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>slanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>vlanXlateId</Name>
  <Value>605</Value>
</Attribute>
<Attribute>
  <Name>slanXlateId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>gponSlotId</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>gponOltId</Name>
  <Value>8</Value>
</Attribute>
<Attribute>
  <Name>gponOnuId</Name>
  <Value>30</Value>
</Attribute>
<Attribute>
  <Name>gponPortId</Name>
  <Value>530</Value>
</Attribute>
```

```
<Attribute>
  <Name>bridgeTemplateName</Name>
  <Value>DownlinkSingleTagged</Value>
</Attribute>
<Attribute>
  <Name>egressGroupTemplate</Name>
  <Value>2-Mb-DOWN</Value>
</Attribute>
<Attribute>
  <Name>gtpTemplateName</Name>
  <Value>1-Mb-UP</Value>
</Attribute>
<Attribute>
  <Name>name</Name>
  <Value>H-SI-CUSTOMER-0001</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx23_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>280</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
```

```

<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>8</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName>1-2-8-30-530</gemPortIfName>
<ifIndex>7466</ifIndex>
<name>H-SI-CUSTOMER-0001</name>
<vlanXlateId>605</vlanXlateId>
<gponPortId>530</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>54</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-17 16:01:55:709</Timestamp>
<bridgeTemplateName>DownlinkSingleTagged</bridgeTemplateName>
<gponSlotId>2</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>7467</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>30</gponOnuId>
<egressGroupTemplate>2-Mb-DOWN</egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName>1-Mb-UP</gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.3 Creating IPTV service on an ONU's eth port

- 3) Get the Device_Id of the MXK
- 4) Create bridge and cpe connection on the desired eth ports of an onu for IPTV service

4.3.1 [XML Request to get the Device Id of the MXK](#)

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
```

```

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>283</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.3.2 XML Request to creat bridge and cpe connection for IP-TV service

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	add
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of get handle_id of the device request	284	Handle_Id of the MXK got from previous xml		
tp_Type		12	The type of the		

			<p>termination point (i.e. ONU UNI port) associated with the MXK bridge. It could be Data UNI, IPTV UNI, PWE, SIP .</p> <p>For IPTV UNI type is 12</p>		
tp_Index		2	<p>Index of the uni port on the ONT. Eth ports are numbered as 1,2,3,4 for eth1 to eth4. Assuming here that IPTV service is adding on eth2, tp_Index will be 2. Use appropriate index as per the requirement.</p>		
vlanXlateId		701	<p>Vlan id to be added by ONT for the untagged traffic from STB</p>		
gponSlotId		2	<p>Gpon card slot (valid 1 to 14 for MXK819 chassis)</p>		
gponOltId		8	<p>Ponport number (valid value 1 to 8)</p>		
gponOnuId		30	<p>Onu number (valid value 1 to 64 for 64 splits)</p>		
gponPortId		730	<p>Gemport number (valid value 257 to 3828). Pls see “recommendation” section for selecting</p>		

			gemport number.		
bridgeTemplate Name		DownlinkSingleTagged	Bridge template specified must be existing in ZMS. Pls see Appendix for details		
gtpTemplate Name		1-Mb-UP	Gtp template specified must be existing in ZMS. Pls see Appendix for details		
bridgeIfMaxVideoStreams		10			
name		IPTV-CUSTOMER-0001	This can be name of the customer or some id for uniquely identifying customer. Bridge created will have the string used in this field		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>

```

```
<Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Parent_Id</Name>
  <Value>284</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
  <Name>tpType</Name>
  <Value>12</Value>
</Attribute>
<Attribute>
  <Name>tpIndex</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>vlanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>slanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>vlanXlateId</Name>
  <Value>701</Value>
</Attribute>
<Attribute>
  <Name>slanXlateId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>gponSlotId</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>gponOltId</Name>
  <Value>8</Value>
</Attribute>
<Attribute>
  <Name>gponOnuId</Name>
  <Value>30</Value>
</Attribute>
```

```
<Attribute>
  <Name>gponPortId</Name>
  <Value>730</Value>
</Attribute>
<Attribute>
  <Name>bridgeTemplateName</Name>
  <Value>DownlinkSingleTagged</Value>
</Attribute>
<Attribute>
  <Name>gtpTemplateName</Name>
  <Value>3-MB-UP</Value>
</Attribute>
<Attribute>
  <Name>bridgeIfMaxVideoStreams</Name>
  <Value>10</Value>
</Attribute>
<Attribute>
  <Name>mvrVlanId</Name>
  <Value>801</Value>
</Attribute>
<Attribute>
  <Name>name</Name>
  <Value>IPTV-CUSTOMER-0001</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx23_Device</Device_Type>
<Root_Group>0</Root_Group>
```

```
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>280</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>8</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName>1-2-8-30-530</gemPortIfName>
<ifIndex>7466</ifIndex>
<name>H-SI-CUSTOMER-0001</name>
<vlanXlateId>605</vlanXlateId>
<gponPortId>530</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>54</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-17 16:01:55:709</Timestamp>
<bridgeTemplateName>DownlinkSingleTagged</bridgeTemplateName>
<gponSlotId>2</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>7467</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>30</gponOnuId>
<egressGroupTemplate>2-Mb-DOWN</egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName>1-Mb-UP</gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.4 Creating SIP-VOIP service on an ONU's POTS port

4.4.1 [XML Request to get the Device Id of the MXK](#)

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
(dev)name		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
```

```

    <Value>Handle_Id</Value>
  </Attribute>
</RequestElement>
</OSS>

```

Response

```

##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.4.2 XML Request to creat bridge and cpe connection for SIP service

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authentic ate Request	0.090835435369767	OSS response for SessionID	online	add
operName	Response of the Authentic ate Request	test	OSS response for operName		

Parent_Id	Response of get handle_id of the device request	284	Handle_Id of the MXK got from previous xml		
tp_Type		14	The type of the termination point associated with the MXK bridge. It is SIP identified by 14 .		
tp_Index		1	Not used applicable for SIP		
vlanXlateId		480	Vlan id to be added by ONT for the voip traffic		
gponSlotId		2	Gpon card slot (valid 1 to 14 for MXK819 chassis)		
gponOltId		8	Ponport number (valid 1 to 8)		
gponOnuId		30	Onu number (valid 1 to 64 for 64 splits)		
gponPortId		1330	Gemport number (valid value 257 to 3828). Pls see “recommendation” section for a selecting gemport number.		
bridgeTemplateName		DownlinkSingleTagged	Bridge template specified must be existing in ZMS. Pls see Appendix for details		
egressGroupTemplate		512-Kb-DOWN	egressGroup template specified must		

			be existing in ZMS. Pls see Appendix for details		
gtpTemplate Name		512-Kb-UP	Gtp template specified must be existing in ZMS. Pls see Appendix for details		
name		VOIP-CUSTOMER-0001	This can be name of the customer or some id for uniquely identifying customer. Bridge created will have the string used in this field		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>284</Value>
</Attribute>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeConnection</Value>

```

```
</Attribute>
<Attribute>
  <Name>tpType</Name>
  <Value>14</Value>
</Attribute>
<Attribute>
  <Name>tpIndex</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>vlanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>slanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>vlanXlateId</Name>
  <Value>480</Value>
</Attribute>
<Attribute>
  <Name>slanXlateId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>gponSlotId</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>gponOltId</Name>
  <Value>8</Value>
</Attribute>
<Attribute>
  <Name>gponOnuId</Name>
  <Value>30</Value>
</Attribute>
<Attribute>
  <Name>gponPortId</Name>
  <Value>1330</Value>
</Attribute>
<Attribute>
  <Name>bridgeTemplateName</Name>
  <Value>DownlinkSingleTagged</Value>
</Attribute>
<Attribute>
```

```
<Name>egressGroupTemplate</Name>
<Value>512-Kb-DOWN</Value>
</Attribute>
<Attribute>
  <Name>gtpTemplateName</Name>
  <Value>512-Kb-UP</Value>
</Attribute>
<Attribute>
  <Name>name</Name>
  <Value>H-SI-CUSTOMER-0001</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>280</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>8</gponOltId>
<groupIndex>0</groupIndex>
```

```

<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName>1-2-8-30-530</gemPortIfName>
<ifIndex>7466</ifIndex>
<name>VOIP-CUSTOMER-0001</name>
<vlanXlateId>480</vlanXlateId>
<gponPortId>1330</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>54</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-17 16:01:55:709</Timestamp>
<bridgeTemplateName>DownlinkSingleTagged</bridgeTemplateName>
<gponSlotId>2</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>7467</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>30</gponOnuId>
<egressGroupTemplate>512-Kb-DOWN</egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName>512-Kb-UP</gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.4.3 XML Request to get the Handle Id and Ifindex of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response	test	OSS response		

	of the Authenticate Request		for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
Card_Id_1		2	GponSlotID (valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=8</Value>
</Attribute>

```

```
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>4265</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
```

```

<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<ifIndex>34</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.4.4 XML Request to Add cpe-ip & associating with a cpe-ip-server-profile

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	add	online
operName	Response of the Authenticate Request	Test	OSS response for operName		
Parent_Id	Response of the get handle_id & ifIndex request for ONU	4265	Handle_Id of the ONU		
ifIndex	Response of the get handle_id & ifIndex request for ONU	34	ifIndex of the ONU		
serviceType		1	Should be 1 for VOIP		
serverIndex		2	Index of Cpe IP-server-profile (must match with the index configured for CPE ip-server profile in MXK)		
hostIp		0.0.0.0	voip ip for the ont. Must be replaced with the ip if static ip assingment is used. Also		

			ip-server profile must be changed to suit the same (static or dhcp).		
--	--	--	--	--	--

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Parent_Type</Name>
  <Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
  <Name>Parent_Id</Name>
  <Value>4265</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
  <Name>ifIndex</Name>
  <Value>34</Value>
</Attribute>
<Attribute>
  <Name>serviceType</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>serverIndex</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>hostIP</Name>
  <Value>0.0.0.0</Value>
</Attribute>
</RequestElement>
```

</OSS>

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>11</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>11</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name>11 DynOmciCpeIp</name>
<ipServerTemplate></ipServerTemplate>
<serviceType>1</serviceType>
<ifIndex>34</ifIndex>
<rowStatus>4</rowStatus>
<Timestamp>2012-04-19 10:10:51:889</Timestamp>
<serverProfileName>CPE-IP-SRV-SIP</serverProfileName>
<serverIndex>2</serverIndex>
<hostIP>0.0.0.0</hostIP>
<onuIfName>1-8-2-30</onuIfName>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.4.5 XML Request to Create SIP voip subscriber on an ONT's POTS port

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	add	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of the get handle_id & ifIndex request for ONU	4265	Handle_Id of the ONU		
ifIndex	Response of the get handle_id & ifIndex request for ONU	34	ifIndex of the ONU		
portNumber		1	POTS port number on the ONT. Change to 2, if service is being provisioned on pots port 2		
userName		02776650	username		
passWord		66778899	Password		
dialNumber		02776650	Directory number associated with the port		
serverProfileIndex		1	Index of the cpe voip server profile in the MXK		
mediaProfileIndex		1	Index of the cpe media		

			profile in the MXK		
--	--	--	-----------------------	--	--

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
```

```
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Parent_Type</Name>
  <Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
  <Name>Parent_Id</Name>
  <Value>4265</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeVoipSubscriber</Value>
</Attribute>
<Attribute>
  <Name>ifIndex</Name>
  <Value>34</Value>
</Attribute>
<Attribute>
  <Name>portNumber</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>userName</Name>
  <Value>02776650</Value>
</Attribute>
<Attribute>
  <Name>password</Name>
  <Value>66778899</Value>
</Attribute>
<Attribute>
  <Name>dialNumber</Name>
  <Value>02776650</Value>
</Attribute>
<Attribute>
```

```
<Name>adminState</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name> serverProfileIndex </Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name> mediaProfileIndex </Name>
  <Value>1</Value>
</Attribute>

</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeVoipSubscriber</Handle_Type>
<Handle_Id>8</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<DynOmciCpeVoipSubscriber_Id>8</DynOmciCpeVoipSubscriber_Id>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<DynOmciCpeVoipSubscriber_Type>DynOmciCpeVoipSubscriber</DynOmciCpeVoipSubscriber_Type>
<DynOmciCpeVoipSubscriber_Group>99999</DynOmciCpeVoipSubscriber_Group>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
```

```

<Root_Type>Root</Root_Type>
<password>66778899</password>
<voipMediaTemplate></voipMediaTemplate>
<voipServerTemplate></voipServerTemplate>
<txPath>1</txPath>
<portNumber>1</portNumber>
<rowStatus>4</rowStatus>
<onuIfName>1-2-8-30</onuIfName>
<displayName></displayName>
<mediaProfileName>Default_Cpe_Voip_Media</mediaProfileName>
<adminState>1</adminState>
<dialNumber>02776650</dialNumber>
<userName>02776650</userName>
<impedance>1</impedance>
<rxGain>0</rxGain>
<voipFeaturesTemplate></voipFeaturesTemplate>
<sigCode>1</sigCode>
<featuresProfileName>Default_Cpe_Voip_Features</featuresProfileName>
<Timestamp>2012-04-19 10:31:55:415</Timestamp>
<ifIndex>34</ifIndex>
<serverProfileName>HUAWEL-SWITCH</serverProfileName>
<serverProfileIndex>1</serverProfileIndex>
<featuresProfileIndex>1</featuresProfileIndex>
<mediaProfileIndex>1</mediaProfileIndex>
<txGain>0</txGain>
<name>8 DynOmciCpeVoipSubscriber</name>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note: Repeat the above xml for port 2 if the 2nd POTS port also needs to be provisioned.

4.5 Creating Business L2/L3 service on an ONU's eth port (as access)

Wire bridge is used for business customer traffic (L2/L3 VPN service). For each such business customer, there should be one wire bridge on the line card side (on gpon gempport) and another wire bridge on the uplink card port connecting to the network. Both bridges should be on the same vlan

The action primarily involves creating a wire bridge and a cpe connection for the desired eth port on the ONT and then creating a wire bridge on the uplink port of the MXK.

- 1) Get the Device_Id of the MXK
- 2) Create wire bridge and cpe connection on the desired eth port (as an access port) of an onu a for business service
- 3) Create wire bridge on the uplink port

4.5.1 [XML Request to get the Device Id of the MXK](#)

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```

##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.5.2 XML Request to creat wire bridge/cpe connection for business service on an ONT port

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	add
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of get handle_id of the device request	284	Handle_Id of the MXK got from previous xml		

tp_Type		1	For Data UNI, type is 1		
tp_Index		4	Index of the uni port on the ONT. Eth ports are numbered as 1,2,3,4 for eth1 to eth4. Assumed here that business service is adding on eth4 access port		
vlanXlateId		2000	Vlan id to be added by ONT for the untagged traffic from eth 4. Assumed here that customer is sending untagged traffic to ont for business service		
gponSlotId		2	Gpon card slot (valid 1 to 14 for MXK819 chassis)		
gponOltId		8	Ponport number (valid 1 to 8)		
gponOnuId		30	Onu number (valid 1 to 64 for 64 splits)		
gponPortId		1130	Gemport number (valid value 257 to 3828). Pls see "recommendation" section for a selecting gemport number.		
bridgeTemplate		WireSingleTagged	Bridge template specified must be existing in ZMS. Pls see Appendix for		

			details		
egressGroup Template		2-Mb-DOWN	egressGroup template specified must be existing in ZMS. Pls see Appendix for details		
gtpTemplate Name		2-Mb-UP	Gtp template specified must be existing in ZMS. Pls see Appendix for details		
name		BUSINESS-CUSTOMER-0001	This can be name of the customer or some id for uniquely identifying customer. Bridge created will have the string used in this field		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>284</Value>

```

```
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
  <Name>tpType</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>tpIndex</Name>
  <Value>4</Value>
</Attribute>
<Attribute>
  <Name>vlanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>slanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>vlanXlateId</Name>
  <Value>2000</Value>
</Attribute>
<Attribute>
  <Name>slanXlateId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>gponSlotId</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>gponOltId</Name>
  <Value>8</Value>
</Attribute>
<Attribute>
  <Name>gponOnuId</Name>
  <Value>30</Value>
</Attribute>
<Attribute>
  <Name>gponPortId</Name>
  <Value>1130</Value>
</Attribute>
<Attribute>
```

```
    <Name>bridgeTemplateName</Name>
    <Value> WireSingleTagged</Value>
</Attribute>
<Attribute>
    <Name>egressGroupTemplate</Name>
    <Value>2-Mb-DOWN</Value>
</Attribute>
<Attribute>
    <Name>gtpTemplateName</Name>
    <Value>2-Mb-UP</Value>
</Attribute>
<Attribute>
    <Name>name</Name>
    <Value> BUSINESS-CUSTOMER-0001</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>80</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>80</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
```

```
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>2</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName>1-2-8-30-1110</gemPortIfName>
<ifIndex>335</ifIndex>
<name>business-customer-1</name>
<vlanXlateId>2000</vlanXlateId>
<gponPortId>910</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>4</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 11:23:39:323</Timestamp>
<bridgeTemplateName>WireSingleTagged</bridgeTemplateName>
<gponSlotId>12</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>336</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>10</gponOnuId>
<egressGroupTemplate>2-Mb-DOWN</egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName>2-Mb-UP</gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.5.3 XML Request to Retrieve line group id of the uplink card port physical :

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get handle_id request for the device	284	OSS response for Handle_Id		
Name=		1-a-2-0	Physical interface on the slot a uplink card on which network side connection is available.		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Ether_Physical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=1-a-2-0</Value>
</Attribute>
<Attribute>

```

```
    <Name>Filter_Retrieve</Name>
    <Value>lineGroupId</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Ether_Physical</Handle_Type>
<Handle_Id>15057</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>30</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_1>2</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxUplink4g_Card</Card_Type_1>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>Ether_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>5</lineGroupId>
</ResponseElement>
</Response>
```

```
##### END OF OSSXML RESPONSE #####
```

4.5.4 XML Request to Retrieve Template_Id of the “WireSingleTagged” bridge template :

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get handle_id request for the device	284	OSS response for Handle_Id		
Name=		1-a-2-0	Physical interface on the slot a uplink card on which network side connection is available.		
TemplateName		WireSingleTagged	Name of the default single tagged wire bridge		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
  <Request>
    <RequestType>listTemplate</RequestType>
    <RequestMode>offline</RequestMode>
    <SessionID>0.041265025117276</SessionID>
    <operName>test</operName>
    <Version>1.16</Version>
  </Request>
  <RequestElement>
    <Attribute>
      <Name>Filter_Type</Name>
      <Value>BridgeLogical_Template</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Condition</Name>
      <Value>templateName=WireSingleTagged</Value>
    </Attribute>
  </RequestElement>
</OSS>
```

```

</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Template_Id</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response:

OSSXML RESPONSE BEGIN

```

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Template_Type>Bridge_LogicalTemplate</Template_Type>
<Template_Id>154</Template_Id>
<Template_Group>1</Template_Group>
</ResponseElement>
</Response>

```

4.5.5 XML Request to Create WireSingleTaggedBridge on the uplink card port

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	addUsingTemplate	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of the get handle_id request for the device	284	OSS response for Handle_Id of the MXK		
Template_Id	Response of get template id request	154	Template id		

lineGroupId	Reponse of get linegroup id of uplink card port	5	Linegroup id of the uplink card port		
lowerIfIndex	Same as linegroup id of the uplink card port	5	Same as the line group id		
vlanId		1000	Vlan id used for the business service to this customer		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>addUsingTemplate</RequestType>
<RequestMode>online</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>284</Value>
</Attribute>
<Attribute>
<Name>Template_Type</Name>
<Value>Bridge_LogicalTemplate</Value>
</Attribute>
<Attribute>
<Name>Template_Id</Name>
<Value>154</Value>
</Attribute>

```

```
<Attribute>
  <Name>lowerIfIndex</Name>
  <Value>5</Value>
</Attribute>
<Attribute>
  <Name>lineGroupId</Name>
  <Value>5</Value>
</Attribute>
<Attribute>
  <Name>vlanId</Name>
  <Value>2000</Value>
</Attribute>
<Attribute>
  <Name>bridgeIfMcastControlList</Name>
  <Value>0</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMPLETE_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5102</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5102</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<bridgeIfStagCOS>0</bridgeIfStagCOS>
<bridgeIfStagStripAndInsert>1</bridgeIfStagStripAndInsert>
```

<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<stripInsert>2</stripInsert>
<bridgeIfOutgoingCOSValue>0</bridgeIfOutgoingCOSValue>
<slanXlateId>0</slanXlateId>
<lineGroupKey>5673</lineGroupKey>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<bridgeIfStagId>0</bridgeIfStagId>
<ifType>209</ifType>
<bridgeIfStagTPID>33024</bridgeIfStagTPID>
<customerARP>2</customerARP>
<bridgeIfFloodMulticast>1</bridgeIfFloodMulticast>
<DhcpLearn></DhcpLearn>
<maxUnicast>100</maxUnicast>
<bridgeIfFloodUnknown>1</bridgeIfFloodUnknown>
<ifIndex>338</ifIndex>
<bridgeIfOutgoingCOSOption>1</bridgeIfOutgoingCOSOption>
<unblock>0</unblock>
<name>ethernet2-1010</name>
<vlanXlateId>0</vlanXlateId>
<ifTypeExtension>0</ifTypeExtension>
<bridgeIfVlanIdCOS>0</bridgeIfVlanIdCOS>
<gponPortId>0</gponPortId>
<learnMulticast>2</learnMulticast>
<customerDHCP>2</customerDHCP>
<redundancyParam1>0</redundancyParam1>
<lowerIfIndex>5</lowerIfIndex>
<bridgeIfMcastControlList>0</bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<learnUnicast>1</learnUnicast>
<vlanId>2000</vlanId>
<Timestamp>2012-04-19 14:19:37:277</Timestamp>
<lineGroupId>5</lineGroupId>
<bridgeIfStagOutgoingCOSOption>1</bridgeIfStagOutgoingCOSOption>
<fwdUnicast>2</fwdUnicast>
<gponSlotId>0</gponSlotId>
<filterBroadcast>2</filterBroadcast>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<vpi>0</vpi>
<rstpEnable>2</rstpEnable>
<fwdMulticast>2</fwdMulticast>
<ingressStats>2</ingressStats>
<groupTemplate></groupTemplate>
<ifAdminStatus>1</ifAdminStatus>
<bridgeType>10</bridgeType>

```

<hierarchyString></hierarchyString>
<gponOnuId>0</gponOnuId>
<bridgeIfStagOutgoingCOSValue>0</bridgeIfStagOutgoingCOSValue>
<TableBasedFilter></TableBasedFilter>
<fwdDefault>2</fwdDefault>
<gtpTemplateName></gtpTemplateName>
<learnIp>2</learnIp>
<bridgeIfIsPPPoA>2</bridgeIfIsPPPoA>
<vci>0</vci>
<ssp>Ether 1.a.2</ssp>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.6 Creating PWE service – Between an ONU’s CES port & a PWE card E1 port

4.6.1 [XML Request to get the Device_Id of the MXK](#)

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
(dev)name		MXK-LAB1			

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>

```

```
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####
```

4.6.2 XML Request to creat bridge/cpe connection for PWE service on an ONU's CES port

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	add
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of get handle_id of the device request	284	Handle_Id of the MXK got from previous xml		
tp_Type		16	The type of the termination point assoicated with the MXK bridge. It is PWE identified by 16 .		
tp_Index		0	Must be 0 for PWE		
vlanXlateId		900	Vlan id to be added by ONT for the voip traffic		
gponSlotId		2	Gpon card slot (valid 1 to 14 for MXK819 chassis)		
gponOltId		8	Ponport number (valid 1 to 8)		
gponOnuId		30	Onu number (valid 1 to 64 for 64 splits)		
gponPortId		1530	Gemport number (valid value 257 to 3828). Pls see “recommendati		

			on" section for a selecting gemport number.		
bridgeTemplate		Transparent LANSingleTagged	Bridge template specified must be existing in ZMS. The one used here is one of the default bridge template available in ZMS.		
gtpTemplate		12-Mb-UP	Gtp template specified must be existing in ZMS. Pls see Appendix for details. One e1 circuit requires 3.072 Mbps. If 5114 ont is used, it requires a total of 12Mb together for all 4 E1 ports.		
name		PWE-Circuit-0001	This can be name of the customer or some id for uniquely identifying customer. Bridge created will have the string used in this field		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>add</RequestType>

```

```
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Parent_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Parent_Id</Name>
  <Value>284</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
  <Name>tpType</Name>
  <Value>16</Value>
</Attribute>
<Attribute>
  <Name>tpIndex</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>vlanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>slanId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>vlanXlateId</Name>
  <Value>900</Value>
</Attribute>
<Attribute>
  <Name>slanXlateId</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>gponSlotId</Name>
  <Value>2</Value>
</Attribute>
```

```
<Attribute>
  <Name>gponOltId</Name>
  <Value>8</Value>
</Attribute>
<Attribute>
  <Name>gponOnuId</Name>
  <Value>30</Value>
</Attribute>
<Attribute>
  <Name>gponPortId</Name>
  <Value>1530</Value>
</Attribute>
<Attribute>
  <Name>bridgeTemplateName</Name>
  <Value> Transparent LANSingleTagged </Value>
</Attribute>
<Attribute>
  <Name>gtpTemplateName</Name>
  <Value>12-Mb-UP</Value>
</Attribute>
<Attribute>
  <Name>name</Name>
  <Value>PWE-Circuit-0001</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
```

```
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>280</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>8</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName>1-2-8-30-1530</gemPortIfName>
<ifIndex>7466</ifIndex>
<name>PWE-Circuit-0001</name>
<vlanXlateId>900</vlanXlateId>
<gponPortId>1530</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>54</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-17 16:01:55:709</Timestamp>
<bridgeTemplateName>Transparent LANSingleTagged</bridgeTemplateName>
<gponSlotId>2</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>7467</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>30</gponOnuId>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName>12-Mb-UP</gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.6.3 XML Request to get the Handle Id and Iindex of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
Card_Id_1		2	GponSlotID (valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
```

```
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>4265</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
```

```

<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<ifIndex>53</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.6.4 XML Request to Add cpe-ip and associating it with a cpe-ip-server-profile

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	add	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of the get handle_id & ifIndex request for ONU	4265	Handle_Id of the ONU		
ifIndex	Response of the get handle_id & ifIndex request for ONU	53	ifIndex of the ONU		

serviceType		2	Should be 2 for PWE		
serverIndex		3	Index of Cpe's IP-server-profile configured for pwe ip server service (must match with the index configured for ip-server profile in MXK. Suggested to keep the same index in all MXKs during commissioning)		
hostIp		10.10.10.30	pwe ip for the ont. Should be unique and should not be assigned to another ONT		

<?xml version="1.0" encoding="UTF-8" ?>

<OSS xmlns="http://www.zhone.com/OSSXML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">

<Request>

<RequestType>add</RequestType>

<RequestMode>online</RequestMode>

<SessionID>0.090835435369767</SessionID>

<operName>test</operName>

<Version>2.2</Version>

</Request>

<RequestElement>

<Attribute>

<Name>Parent_Type</Name>

<Value>GponOnuPhysical</Value>

</Attribute>

<Attribute>

<Name>Parent_Id</Name>

<Value>4265</Value>

</Attribute>

<Attribute>

<Name>Handle_Type</Name>

```
<Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
  <Name>ifIndex</Name>
  <Value>53</Value>
</Attribute>
<Attribute>
  <Name>serviceType</Name>
  <Value>2</Value>
</Attribute>
<Attribute>
  <Name>serverIndex</Name>
  <Value>3</Value>
</Attribute>
<Attribute>
  <Name>hostIP</Name>
  <Value>10.10.10.30</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>11</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
```

```

<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>11</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name>11 DynOmciCpeIp</name>
<ipServerTemplate></ipServerTemplate>
<serviceType>2</serviceType>
<ifIndex>53</ifIndex>
<rowStatus>4</rowStatus>
<Timestamp>2012-04-19 10:10:51:889</Timestamp>
<serverProfileName>CPE-IP-PWE-SRVR</serverProfileName>
<serverIndex>3</serverIndex>
<hostIP>10.10.10.30</hostIP>
<onuIfName>1-8-2-30</onuIfName>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.6.5 XML Request to Create pwe bundle for an ONU's CES port

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	add	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of the get handle_id & ifIndex request for ONU	4265	Handle_Id of the ONU		
ifIndex	Response of the get handle_id & ifIndex request for ONU	34	ifIndex of the ONU		
portNumber		1	POTS port number on the ONT. Change to 2,		

			if service is being provisioned on CES port 2		
nearEndPort		59020	Udp port used as source port for the pwe bundle to be sent from ONT. Should be unique, should not be repeated for another bundle in this MXK		
farEndPort		59020	Udp port used as destination port for the pwe bundle to be sent from this ONT. Should be unique, should not be repeated for another bundle in this MXK		
farEndIp		10.10.10.254	The ip of the remote end of the PWE (in this case IP assigned in the uplink for PWE service. Since ONTs and PWE card are assumed to be in the same chassis, this ip and ONT ip must be in the same subnet.		
adminState		1	Sets		

			adminstate of the pwe bundle to be up		
profileIndex		1	Index of Pwe common profile in the MXK. It is assumed that "pwe common profile with index 1 that has timing parameter adaptive" is already configured in MXK.		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>4265</Value>
</Attribute>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpePweSubscriber</Value>
</Attribute>
<Attribute>
<Name>ifIndex</Name>
<Value>53</Value>
</Attribute>
<!-- Represents the index port number -->
<Attribute>
<Name>portNumber</Name>
```

```
<Value>1</Value>
</Attribute>
<!-- Represents the TCP/UDP near end port number -->
<Attribute>
<Name>nearEndPort</Name>
<Value>59020</Value>
</Attribute>
<Attribute>
<Name>farEndIP</Name>
<Value>10.10.10.254</Value>
</Attribute>
<!-- Represents the TCP/UDP far end port number -->
<Attribute>
<Name>farEndPort</Name>
<Value>59020</Value>
</Attribute>
<Attribute>
<Name>adminState</Name>
<Value>1</Value>
</Attribute>
<Attribute>
<Name>lineLength</Name>
<Value>0</Value>
</Attribute>
<!-- PWE Profile index -->
<Attribute>
<Name>profileIndex</Name>
<Value>1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpePweSubscriber</Handle_Type>
<Handle_Id>9</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpePweSubscriber_Group>99999</DynOmciCpePweSubscriber_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<DynOmciCpePweSubscriber_Id>9</DynOmciCpePweSubscriber_Id>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
```

```

<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpePweSubscriber_Type>DynOmciCpePweSubscriber</DynOmciCpePweSubscriber_Type>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mxl9_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name>9 DynOmciCpePweSubscriber</name>
<profileIndex>1</profileIndex>
<profileName>Default_Cpe_Pwe</profileName>
<lineLength>0</lineLength>
<adminState>1</adminState>
<nearEndPort>59020</nearEndPort>
<farEndPort>59020</farEndPort>
<farEndIP>10.10.10.254</farEndIP>
<ifIndex>53</ifIndex>
<rowStatus>4</rowStatus>
<Timestamp>2012-04-27 15:11:31:396</Timestamp>
<loopback>1</loopback>
<onuIfName>1-2-8-30</onuIfName>
<pweTemplate></pweTemplate>
<portNumber>1</portNumber>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note: Repeat the above xml for port 2,3,4 etc; if other CES ports on the same ONT need to be provisioned. Note that udp port numbers and ont's ces port number should be different than those used in the earlier xml as shown below

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>

```

```

<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>4265</Value>
</Attribute>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpePweSubscriber</Value>
</Attribute>
<Attribute>
<Name>ifIndex</Name>
<Value>53</Value>
</Attribute>
<!-- Represents the index port number -->
<Attribute>
<Name>portNumber</Name>
<Value>2</Value>
</Attribute>
<!-- Represents the TCP/UDP near end port number -->
<Attribute>
<Name>nearEndPort</Name>
<Value>59021</Value>
</Attribute>
<Attribute>
<Name>farEndIP</Name>
<Value>10.10.10.254</Value>
</Attribute>
<!-- Represents the TCP/UDP far end port number -->
<Attribute>
<Name>farEndPort</Name>
<Value>59021</Value>
</Attribute>
<Attribute>
<Name>adminState</Name>
<Value>1</Value>
</Attribute>
<Attribute>
<Name>lineLength</Name>
<Value>0</Value>
</Attribute>
<!-- PWE Profile index -->
<Attribute>
<Name>profileIndex</Name>
<Value>1</Value>
</Attribute>
</RequestElement>
</OSS>

```

4.6.6 XML Request to get lineGroupId, ifIndex and Handle_Id of a pwe-port on a pwe card

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get CPE Connection Handle_Id Request	284			OSS Response for Handle_Id
Card_Id_1		1			Slot id of the pwe card (valid values 1 to 14)
Physical_Id_1		20			E1 port of the pwe card (valid values 1 to 24)

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Physical</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
```

```
<Value>Handle_Id</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>lineGroupId</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>ifIndex</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=1</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=20</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>E1_Physical</Handle_Type>
<Handle_Id>15788</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_1>20</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
```

```

<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>394</lineGroupId>
<ifIndex>393</ifIndex>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.6.7 XML Request to create pwe-bundle on the pwe port:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	add	online	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of Handle_Id Request for MXK	284			OSS Response for Handle_Id
ifIndex	From the response of "get linegroupid, ifindex, handle id of the pwe port"	393			
stdAdminStatus		1			Admin status of the pwe bundle. 1

					for up
tdmPayloadSize		250			Payload size of pwe. Should match with remote end setting. Default is 250 on ONTs
tdmJitterBufferDepth		1949			The default value
bundleTos		224			Tos value
stdInboundLabel		59020			Destination udp port. Should match with that of source from other end pwe bundle. Should be unique per port.
bundleLocalIpAddress		10.10.10.254			Src Ip address to be used on the bundle from pwe port. The same ip must be defined in MXK uplink port
stdOutboundLabel		59020			Destination udp port number to used in the pwe traffic originated from the pwe port. Should be

					unique per port
stdPeerIPAddress		10.10.10.20			The remote ip (ip of the remote ONT)

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.1</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>284</Value>
</Attribute>
<Attribute>
<Name>Handle_Type</Name>
<Value>PweStdConfig</Value>
</Attribute>
<Attribute>
<Name>stdInboundLabel</Name>
<Value>59020</Value>
</Attribute>
<Attribute>
<Name>bundleLocalIpAddr</Name>
<Value>10.10.10.254</Value>
</Attribute>
<Attribute>
<Name>stdOutboundLabel</Name>
<Value>59020</Value>
</Attribute>

```

```
<Attribute>
  <Name>stdPeerIPAddress</Name>
  <Value>10.10.10.20</Value>
</Attribute>
<Attribute>
  <Name>connectionType</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>ifIndex</Name>
  <Value>393</Value>
</Attribute>
<Attribute>
  <Name>stdAdminStatus</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>tdmPayloadSize</Name>
  <Value>250</Value>
</Attribute>
<Attribute>
  <Name>tdmPktReorder</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>tdmJitterBufferDepth</Name>
  <Value>1949</Value>
</Attribute>
<Attribute>
  <Name>tdmPktReplacePolicy</Name>
  <Value>1</Value>
</Attribute>
<Attribute>
  <Name>tdmPktFillPattern</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>bundleTos</Name>
  <Value>224</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>PweStdConfig</Handle_Type>
<Handle_Id>8</Handle_Id>
<Handle_Group>99999</Handle_Group>
<PweStdConfig_Group>99999</PweStdConfig_Group>
<Root_Type>Root</Root_Type>
<PweStdConfig_Id>8</PweStdConfig_Id>
<PweStdConfig_Type>PweStdConfig</PweStdConfig_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Region_Id>1</Region_Id>
<tdmPktFillPattern>0</tdmPktFillPattern>
<stdOutboundLabel>59020</stdOutboundLabel>
<packetDelayVariation>0</packetDelayVariation>
<tdmPktReorder>1</tdmPktReorder>
<stdInboundLabel>59020</stdInboundLabel>
<bundleIfIndex>393</bundleIfIndex>
<bundleIsdnMode>1</bundleIsdnMode>
<tdmPktReplacePolicy>1</tdmPktReplacePolicy>
<bundleTos>224</bundleTos>
<bundleDs0Bundle></bundleDs0Bundle>
<stdPeerIPAddress>10.10.10.20</stdPeerIPAddress>
<stdAdminStatus>1</stdAdminStatus>
<bundleLocalIpAddr>10.10.10.254</bundleLocalIpAddr>
<tdmJitterBufferDepth>1949</tdmJitterBufferDepth>
<ifIndex>393</ifIndex>
<Timestamp>2012-05-03 15:03:49:185</Timestamp>
<tdmPayloadSize>250</tdmPayloadSize>
<connectionType>1</connectionType>
<stdDescription></stdDescription>
<name>8 null</name>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####
```

4.6.8 XML Request to set line type and transmit clock source on the e1 port of PWE-card:

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	Modify	online	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Parent_Id (device id)	Response of MXK Handle_Id Request	284			OSS Response for Handle_Id
Handle_Id	Response for linegroup, ifindex, handle id request for the e1 port	15788			Handle Id of the E1 physical port of the card
lineType		9			9 sets e1unframed
transmitClockSource		1			1 sets looptiming

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>1.1.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>Device</Value>

```

```
</Attribute>
<Attribute>
  <Name>Parent_Id</Name>
  <Value>284</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>E1_Physical</Value>
</Attribute>
<Attribute>
  <Name>Handle_Id</Name>
  <Value>15788</Value>
</Attribute>
<Attribute>
  <Name>lineType</Name>
  <Value>9</Value>
</Attribute>
<Attribute>
  <Name>transmitClockSource</Name>
  <Value>1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>E1_Physical</Handle_Type>
<Handle_Id>15788</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_1>20</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
```

<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<cellScramble>1</cellScramble>
<cosetPolynomial>1</cosetPolynomial>
<lineGroupKey>5707</lineGroupKey>
<groupIndex>0</groupIndex>
<lineCoding>3</lineCoding>
<channelNumber>1</channelNumber>
<ifType>18</ifType>
<loopbackConfig>1</loopbackConfig>
<mode>1</mode>
<ifIndex>393</ifIndex>
<name>1-1-20-0</name>
<updateLogicalNames>>false</updateLogicalNames>
<ifTypeExtension>0</ifTypeExtension>
<appendDefaultName>>false</appendDefaultName>
<fdl>4</fdl>
<bondGroupLgIdx>0</bondGroupLgIdx>
<bondGroupIdx>0</bondGroupIdx>
<channelization>1</channelization>
<redundancyParam1>0</redundancyParam1>
<ifOperStatus>2</ifOperStatus>
<signalMode>1</signalMode>
<ifTypePortId>20</ifTypePortId>
<clockAdaptiveQuality>2</clockAdaptiveQuality>
<Timestamp>2012-04-28 04:54:46:99</Timestamp>
<lineGroupId>394</lineGroupId>
<sendCode>1</sendCode>
<clockSourceEligibility>2</clockSourceEligibility>
<csuLineLength>1</csuLineLength>
<lineType>9</lineType>
<isLineUsed>2</isLineUsed>
<ifAdminStatus>1</ifAdminStatus>
<lpDesc>1-1-20</lpDesc>
<circuitIdentifier>e1</circuitIdentifier>
<portDesc></portDesc>
<lineStatusChangeTrapEnable>1</lineStatusChangeTrapEnable>
<isActive>2</isActive>
<lineLength>1</lineLength>


```

    <Value>Device</Value>
  </Attribute>
  <Attribute>
    <Name>Filter_Condition</Name>
    <Value>name=MXK-LAB1</Value>
  </Attribute>
  <Attribute>
    <Name>Filter_Retrieve</Name>
    <Value>Handle_Id</Value>
  </Attribute>
</RequestElement>
</OSS>

```

Response

```

##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.7.2 XML Request to creat bridge/cpe connection for PWE service on an ONU's CES port

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the	0.090835435369767	OSS response for SessionID	online	add

	Authenticate Request				
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of get handle_id of the device request	284	Handle_Id of the MXK got from previous xml		
tp_Type		16	The type of the termination point associated with the MXK bridge. It is PWE identified by 16 .		
tp_Index		0	Must be 0 for PWE		
vlanXlateId		900	Vlan id to be added by ONT for the voip traffic		
gponSlotId		2	Gpon card slot (valid 1 to 14 for MXK819 chassis)		
gponOltId		8	Ponport number (valid 1 to 8)		
gponOnuId		30	Onu number (valid 1 to 64 for 64 splits)		
gponPortId		1530	Gemport number (valid value 257 to 3828). Pls see “recommendation” section for a selecting gemport number.		
bridgeTemplate	bridgeTemplate	Transparent LANSingleTagged	Bridge template specified must		

			be existing in ZMS. The one used here is one of the default bridge template available in ZMS.		
gtpTemplate Name		12-Mb-UP	Gtp template specified must be existing in ZMS. Pls see Appendix for details. One e1 circuit requires 3.072 Mbps. If 5114 ont is used, it requires a total of 12Mb together for all 4 E1 ports.		
name		PWE-Circuit-0001	This can be name of the customer or some id for uniquely identifying customer. Bridge created will have the string used in this field		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>

```

```
    <Name>Parent_Type</Name>
    <Value>Device</Value>
</Attribute>
<Attribute>
    <Name>Parent_Id</Name>
    <Value>284</Value>
</Attribute>
<Attribute>
    <Name>Handle_Type</Name>
    <Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
    <Name>tpType</Name>
    <Value>16</Value>
</Attribute>
<Attribute>
    <Name>tpIndex</Name>
    <Value>0</Value>
</Attribute>
<Attribute>
    <Name>vlanId</Name>
    <Value>0</Value>
</Attribute>
<Attribute>
    <Name>slanId</Name>
    <Value>0</Value>
</Attribute>
<Attribute>
    <Name>vlanXlateId</Name>
    <Value>900</Value>
</Attribute>
<Attribute>
    <Name>slanXlateId</Name>
    <Value>0</Value>
</Attribute>
<Attribute>
    <Name>gponSlotId</Name>
    <Value>2</Value>
</Attribute>
<Attribute>
    <Name>gponOltId</Name>
    <Value>8</Value>
</Attribute>
<Attribute>
    <Name>gponOnuId</Name>
    <Value>30</Value>
```

```
</Attribute>
<Attribute>
  <Name>gponPortId</Name>
  <Value>1530</Value>
</Attribute>
<Attribute>
  <Name>bridgeTemplateName</Name>
  <Value> Transparent LANSingleTagged </Value>
</Attribute>
<Attribute>
  <Name>gtpTemplateName</Name>
  <Value>12-Mb-UP</Value>
</Attribute>
<Attribute>
  <Name>name</Name>
  <Value>PWE-Circuit-0001</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>280</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
```

```

<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>8</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName>1-2-8-30-1530</gemPortIfName>
<ifIndex>7466</ifIndex>
<name>PWE-Circuit-0001</name>
<vlanXlateId>900</vlanXlateId>
<gponPortId>1530</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>54</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-17 16:01:55:709</Timestamp>
<bridgeTemplateName>Transparent LANSingleTagged</bridgeTemplateName>
<gponSlotId>2</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<rowStatus>4</rowStatus>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>7467</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>30</gponOnuId>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName>12-Mb-UP</gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.7.3 XML Request to get the Handle Id and Ifindex of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response	0.090835435369767	OSS response		

	of the Authenticate Request		for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
Card_Id_1		2	GponSlotID (valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>

```

```
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>4265</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
```

```

<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<ifIndex>53</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.7.4 XML Request to Add cpe-ip and associating it with a cpe-ip-server-profile

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	add	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of the get handle_id & ifIndex request for ONU	4265	Handle_Id of the ONU		
ifIndex	Response of the get handle_id & ifIndex request for ONU	53	ifIndex of the ONU		
serviceType		2	Should be 2 for PWE		
serverIndex		3	Index of Cpe's IP-server-profile configured for pwe ip server service (must		

			match with the index configured for ip-server profile in MXK. Suggested to keep the same index in all MXKs during commissioning)		
hostIp		10.10.10.30	pwe ip for the ont. Should be unique and should not be assigned to another ONT		

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Parent_Type</Name>
  <Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
  <Name>Parent_Id</Name>
  <Value>4265</Value>
</Attribute>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
  <Name>ifIndex</Name>
  <Value>53</Value>
</Attribute>
<Attribute>
  <Name>serviceType</Name>
```

```
<Value>2</Value>
</Attribute>
<Attribute>
  <Name>serverIndex</Name>
  <Value>3</Value>
</Attribute>
<Attribute>
  <Name>hostIP</Name>
  <Value>10.10.10.30</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>11</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>11</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name>11 DynOmciCpeIp</name>
<ipServerTemplate></ipServerTemplate>
```

```

<serviceType>2</serviceType>
<ifIndex>53</ifIndex>
<rowStatus>4</rowStatus>
<Timestamp>2012-04-19 10:10:51:889</Timestamp>
<serverProfileName>CPE-IP-PWE-SRVR</serverProfileName>
<serverIndex>3</serverIndex>
<hostIP>10.10.10.30</hostIP>
<onuIfName>1-8-2-30</onuIfName>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.7.5 XML Request to Create pwe bundle for an ONU's CES port

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	add	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Parent_Id	Response of the get handle_id & ifIndex request for ONU	4265	Handle_Id of the ONU		
ifIndex	Response of the get handle_id & ifIndex request for ONU	34	ifIndex of the ONU		
portNumber		1	POTS port number on the ONT. Change to 2, if service is being provisioned on CES port 2		
nearEndPort		59020	Udp port used as source port		

			for the pwe bundle to be sent from ONT. Should be unique, should not be repeated for another bundle in this MXK		
farEndPoint		59020	Udp port used as destination port for the pwe bundle to be sent from this ONT. Should be unique, should not be repeated for another bundle in this MXK		
farEndIp		10.10.10.254	The ip of the remote end of the PWE (in this case IP assigned in the uplink for PWE service. Since ONTs and PWE card are assumed to be in the same chassis, this ip and ONT ip must be in the same subnet.		
adminState		1	Sets adminstate of the pwe bundle to be up		
profileIndex		2	Index of Pwe common profile in the MXK. It is		

			<p>assumed that “pwe common profile with index 2 that has timing parameter loop” is already configured in MXK and the <u>ONT provisioned is the primary end of the ONT to ONT PWE service. Index 1 (which must have looptiming setting of “adaptive”) must be used if the ONT provisioned is the second end of the ONT to ONT pwe service.</u></p>		
--	--	--	---	--	--

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>add</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Parent_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Parent_Id</Name>
<Value>4265</Value>

```

```

</Attribute>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpePweSubscriber</Value>
</Attribute>
<Attribute>
<Name>ifIndex</Name>
<Value>53</Value>
</Attribute>
<!-- Represents the index port number -->
<Attribute>
<Name>portNumber</Name>
<Value>1</Value>
</Attribute>
<!-- Represents the TCP/UDP near end port number -->
<Attribute>
<Name>nearEndPort</Name>
<Value>59020</Value>
</Attribute>
<Attribute>
<Name>farEndIP</Name>
<Value>10.10.10.254</Value>
</Attribute>
<!-- Represents the TCP/UDP far end port number -->
<Attribute>
<Name>farEndPort</Name>
<Value>59020</Value>
</Attribute>
<Attribute>
<Name>adminState</Name>
<Value>1</Value>
</Attribute>
<Attribute>
<Name>lineLength</Name>
<Value>0</Value>
</Attribute>
<!-- PWE Profile index -->
<Attribute>
<Name>profileIndex</Name>
<Value>2</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response:

OSSXML RESPONSE BEGIN

```

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpePweSubscriber</Handle_Type>
<Handle_Id>9</Handle_Id>
<Handle_Group>99999</Handle_Group>

```

```

<DynOmciCpePweSubscriber_Group>99999</DynOmciCpePweSubscriber_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<DynOmciCpePweSubscriber_Id>9</DynOmciCpePweSubscriber_Id>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpePweSubscriber_Type>DynOmciCpePweSubscriber</DynOmciCpePweSubscriber_Type>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name>9_DynOmciCpePweSubscriber</name>
<profileIndex>2</profileIndex>
<profileName>Default_Cpe_Pwe</profileName>
<lineLength>0</lineLength>
<adminState>1</adminState>
<nearEndPort>59020</nearEndPort>
<farEndPort>59020</farEndPort>
<farEndIP>10.10.10.254</farEndIP>
<ifIndex>53</ifIndex>
<rowStatus>4</rowStatus>
<Timestamp>2012-04-27 15:11:31:396</Timestamp>
<loopback>1</loopback>
<onuIfName>1-2-8-30</onuIfName>
<pweTemplate></pweTemplate>
<portNumber>1</portNumber>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note:

This completes the CES provisioning on one ONT’s CES port. For a PWE to PWE service of this ONT to another ONT, the above steps must eb completed for other ONT’s CES port with profile index 1 (which has the timing set on that ont to “adaptive”).

4.8 Re-Sync ONT

- 1) Get Handle_Id of the MXK

- 2) Get handle_id of the ONT
- 3) Resync ONT

4.8.1 XML Request to get the Handle_ID of the MXK:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
name		MXK-LAB1	MXK name		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>283</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####
```

4.8.2 XML Request to get the Handle ID of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
Card_Id_1		2	GponSlotID		

			(valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
```

</OSS>

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>1062280</Handle_Id>
<Handle_Group>100000</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>100000</Card_Group_1>
<Physical_Id_2>1</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>2</Region_Id>
<Device_Group>100000</Device_Group>
<Card_Type_1>Mx8Gpon_Card</Card_Type_1>
<Physical_Group_2>100000</Physical_Group_2>
<Physical_Group_1>100000</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>100000</Shelf_Group>
<Region_Group>100000</Region_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Root_Type>Root</Root_Type>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.8.3 XML Request to resync the ONT

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	modify
operName	Response of the Authenticate Request	test	OSS response for operName		
Handle_Id		1062280	Handle_Id of the ONT		
resync		1	1 force resync to the ont		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>OmciOntResync</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>1062280</Value>
</Attribute>
<Attribute>
<Name>resync</Name>
<Value>1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Failure</OverAllStatus>
<OverAllDescription>CS_ONU_MUST_BE_UP_FOR_RUNNING_COMMANDS</OverAllDescription>
<ResponseElement>
<status>Failure</status>
<Description>COMMON_INITIAL</Description>
<Null>Null</Null>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####
```

NOTE: Please note that response for onu resync may show failure if ONT is already OFF or not connected to PON. Ignore the failure response. ONT will automatically sync when it is powered ON or connected to PON next time.

4.9 Reboot ONT

- 1) Get Handle_Id of the MXK
- 2) Get handle_id of the ONT
- 3) Reboot ONT

4.9.1 XML Request to get the Handle_ID of the MXK:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
name		MXK-LAB1	MXK name		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>283</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
```

```

<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.9.2 XML Request to get the Handle ID of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
Card_Id_1		2	GponSlotID (valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">

```

```

<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>

```

```
    <Name>Filter_Type</Name>
    <Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
    <Name>Filter_Retrieve</Name>
    <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>1062280</Handle_Id>
<Handle_Group>100000</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>100000</Card_Group_1>
<Physical_Id_2>1</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>2</Region_Id>
<Device_Group>100000</Device_Group>
<Card_Type_1>Mx8Gpon_Card</Card_Type_1>
```

```

<Physical_Group_2>100000</Physical_Group_2>
<Physical_Group_1>100000</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>100000</Shelf_Group>
<Region_Group>100000</Region_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Root_Type>Root</Root_Type>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.9.3 XML Request to reboot the ONT

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	online	modify
operName	Response of the Authenticate Request	test	OSS response for operName		
Handle_Id		1062280	Handle_Id of the ONT		
reboot		1	1 force reboot of the ont		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
```

```
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>OmciOntReboot</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>1062280</Value>
</Attribute>
<Attribute>
<Name>reboot</Name>
<Value>1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>OmciOntReboot</Handle_Type>
<Handle_Id>0</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<OmciOntReboot_Id>1</OmciOntReboot_Id>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
```

```

<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<OmciAction_Type>OmciOntReboot</OmciAction_Type>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<OmciAction_Group>99999</OmciAction_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<reboot>0</reboot>
<name></name>
<schTime>2012-04-25 01:25:16:176</schTime>
<onuIfIndex>0</onuIfIndex>
<CmdSlot>2</CmdSlot>
<CmdOlt>8</CmdOlt>
<CmdOperation>3</CmdOperation>
<Timestamp>2012-04-25 01:25:16:176</Timestamp>
<CmdOnu>30</CmdOnu>
<schType>0</schType>
<CmdFilterMask>0111</CmdFilterMask>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

NOTE: Please note that response for onu reboot may show failure if ONT is already OFF or not connected to PON. Ignore such failure response.

4.10 Deleting H-SI or IPTV or Business L2/L3 service (Access) from an ONU's eth port

Note: To achive this, cpe connection on the port must be deleted. When the last CPE connection on th port associated with a bridge is deleted, automatically the bridge and the gem will get deleted.

4.10.1 XML Request to get the Device_Id:

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
```

```

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.10.2 XML Request to get Line Group Id and Iindex of the Gponport Physical

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get Device_Id Request	284			OSS Response for Handle_Id
Card_Id_1		2			Slot # (valid value 1 to 14)
Physical_Id_1		8			Olt# (valid value 1 to 8)
Physical_Id_2		530			Gemport # on which the service or cpe connection was provided

					(valid value 257 to 3828).
--	--	--	--	--	----------------------------

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponPortPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_2=530</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>lineGroupId</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>ifIndex</Value>
</Attribute>
</RequestElement>

```

</OSS>

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15483</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>530</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>29</lineGroupId>
<ifIndex>322</ifIndex>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.10.3 XML Request to get ifIndex of the bridge logical

Input Parameters

Parameter	Source	Sample Value	Description	Request	Request
-----------	--------	--------------	-------------	---------	---------

				Mode	Type
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
lineGroupId	Response of the get line Group Id Request and ifIndex of the Gponport Physical	29	OSS Response for lineGroupId		
lowerIfIndex	ifIndex value got in the "response of the get line Group Id Request and ifIndex of the Gponport Physical"	322	ifIndex		
vlanId		1000	Vlan id associated with the cpe connection that needs to be deleted.		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>BridgeLogical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>

```

```
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lineGroupId=29</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lowerIfIndex=322</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanId=1000</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5092</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5092</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
```

```

<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<ifIndex>323</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note: In the above, both Handle_Id and ifIndex of the Bridge Logical is retrieved. Handle_Id is required only for admin up/down the bridge. ifIndex only is required for deleting the cpe connection

4.10.4 XML Request to get Handle_Id of the CPE Connection

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_ID	Response of the get Device_Id Request	284			OSS Response for Handle_Id
vlanXlateId		1000			
bridgeIfIndex	Response of the get ifIndex Request	322			

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>

```

```
<Name>Filter_Type</Name>
  <Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_ID=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanXlateId=1000</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanId=0</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>bridgeIfIndex=322</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>75</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>75</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
```

```
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName></gemPortIfName>
<ifIndex>322</ifIndex>
<name>H-SI-CUSTOMER-1</name>
<vlanXlateId>1000</vlanXlateId>
<gponPortId>0</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 09:35:47:25</Timestamp>
<bridgeTemplateName></bridgeTemplateName>
<gponSlotId>0</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>323</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>0</gponOnuId>
<egressGroupTemplate></egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName></gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.10.5 XML Request to Delete a CPE Connection

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	online	delete	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Handle_Id	Response of the get CPE Connection Handle_Id Request	75			OSS Response for Handle_Id

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>75</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>

```

<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>75</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>75</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName></gemPortIfName>
<ifIndex>322</ifIndex>
<name>H-SI-CUSTOMER-1</name>
<vlanXlateId>1000</vlanXlateId>
<gponPortId>0</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 09:35:47:25</Timestamp>
<bridgeTemplateName></bridgeTemplateName>
<gponSlotId>0</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>323</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>

```

<gponOnuId>0</gponOnuId>
<egressGroupTemplate></egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName></gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note: If the service deleted from ONT is L2/L3 service, the corresponding wire bridge on the uplink port also need to be deleted as per the procedure given in “deleting a wire bridge from the uplink port”

4.11 Deleting POTS-Voice service from an ONU

Involves:

- Deleting voice subscriber from POTS port of the ONT (if SIP-voice is provisioned on multiple POTS ports of the ONT, then voice subscriber from each POTS port needs to be deleted separately)
- Deleteing cpe ip used on the ONT for voip service.
- Deleting the CPE connection used on the ONT for SIP-POTS service. This action also delete the bridge and the gem used for SIP-POTS service on that ONT

4.11.1 XML Request to get the Device_Id of MXK:

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
```

```

<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.11.2 XML Request to get Handle_Id of CpeVoipSubscriber for a POTS port of an ONT
Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the "get Handle_Id of the device" Request	284	Handle Id of the MXK		
Card_Id_1		2	Slot number (valid value 1 to 14)		
Physical_Id_1		1	PON port number (valid value 1 to 8)		
Physical_Id_2		30	ONU number (valid number 1 to 64)		
port_Number		1	POTS Port number (valid number 1 to 2 for 2424/2426/51x x ONT)		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>DynOmciCpeVoipSubscriber</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=1</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>portNumber=1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
```

<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeVoipSubscriber</Handle_Type>
<Handle_Id>10</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<DynOmciCpeVoipSubscriber_Id>10</DynOmciCpeVoipSubscriber_Id>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<DynOmciCpeVoipSubscriber_Type>DynOmciCpeVoipSubscriber</DynOmciCpeVoipSubscriber_Type>
<DynOmciCpeVoipSubscriber_Group>99999</DynOmciCpeVoipSubscriber_Group>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<password>1111</password>
<voipMediaTemplate></voipMediaTemplate>
<voipServerTemplate></voipServerTemplate>
<txPath>1</txPath>
<portNumber>1</portNumber>
<onuIfName></onuIfName>
<displayName></displayName>
<mediaProfileName></mediaProfileName>
<adminState>1</adminState>
<dialNumber>1122</dialNumber>
<userName>1111</userName>
<impedance>1</impedance>
<rxGain>0</rxGain>
<voipFeaturesTemplate></voipFeaturesTemplate>
<sigCode>1</sigCode>
<featuresProfileName></featuresProfileName>

```

<Timestamp>2012-04-29 16:43:52:534</Timestamp>
<ifIndex>34</ifIndex>
<serverProfileName></serverProfileName>
<serverProfileIndex>1</serverProfileIndex>
<featuresProfileIndex>1</featuresProfileIndex>
<mediaProfileIndex>1</mediaProfileIndex>
<txGain>0</txGain>
<name></name>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.11.3 XML Request to Delete CpeVoipSubscriber of the POTS port of an ONT

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	online	delete
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the "get Handle_Id of the device" Request	284	Handle Id of the MXK		
Handle_Id	Response of the "get handle id of CpeVoip Subscriber of the voip port"	10	Handle Id of the CpeVoipSubscriber		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeVoipSubscriber</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>10</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeVoipSubscriber</Handle_Type>
<Handle_Id>10</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
```

<DynOmciCpeVoipSubscriber_Id>10</DynOmciCpeVoipSubscriber_Id>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<DynOmciCpeVoipSubscriber_Type>DynOmciCpeVoipSubscriber</DynOmciCpeVoipSubscriber_Type>
<DynOmciCpeVoipSubscriber_Group>99999</DynOmciCpeVoipSubscriber_Group>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<password>1111</password>
<voipMediaTemplate></voipMediaTemplate>
<voipServerTemplate></voipServerTemplate>
<txPath>1</txPath>
<portNumber>1</portNumber>
<onuIfName></onuIfName>
<displayName></displayName>
<mediaProfileName></mediaProfileName>
<adminState>1</adminState>
<dialNumber>1122</dialNumber>
<userName>1111</userName>
<impedance>1</impedance>
<rxGain>0</rxGain>
<voipFeaturesTemplate></voipFeaturesTemplate>
<sigCode>1</sigCode>
<featuresProfileName></featuresProfileName>
<Timestamp>2012-04-29 16:43:52:534</Timestamp>
<ifIndex>34</ifIndex>
<serverProfileName></serverProfileName>
<serverProfileIndex>1</serverProfileIndex>
<featuresProfileIndex>1</featuresProfileIndex>
<mediaProfileIndex>1</mediaProfileIndex>
<txGain>0</txGain>
<name></name>
</ResponseElement>
</Response>

END OF OSSXML RESPONSE

Note:

Repeat the above two commands for other POTS port(s) if applicable – to delete voip subscribers from 2nd POTS port, and so on.

4.11.4 XML Request to get Handle_Id of Cpe IP of the voice service on the ont

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the “get Handle_Id of the device “ Request	284	Handle Id of the MXK		
Card_Id_1		2	Slot number (valid value 1 to 14)		
Physical_Id_1		1	PON port number (valid value 1 to 8)		
Physical_Id_2		30	ONU number (valid number 1 to 64)		
serviceType		1	Service type is 1 for voip		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
```

```
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>serviceType=1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>14</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
```

```
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>14</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name></name>
<ipServerTemplate></ipServerTemplate>
<serviceType>2</serviceType>
<ifIndex>43</ifIndex>
<Timestamp>2012-04-24 13:47:32:567</Timestamp>
<serverProfileName></serverProfileName>
<serverIndex>3</serverIndex>
<hostIP>10.11.11.10</hostIP>
<onuIfName></onuIfName>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.11.5 XML Request to Delete Cpe IP of the pots voip service

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	online	delete
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the "get Handle_Id of the device" Request	284	Handle Id of the MXK		
Handle_Id	Response of the "get handle id of CpelP of the voip port"	14	Handle Id of the CpeIP of the pots		

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>

```

<Value>14</Value>
</Attribute>
</RequestElement>
</OSS>

Response:

OSSXML RESPONSE BEGIN

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>14</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>14</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name></name>
<ipServerTemplate></ipServerTemplate>
<serviceType>1</serviceType>
<ifIndex>34</ifIndex>
<Timestamp>2012-04-23 11:02:00:72</Timestamp>

```

<serverProfileName></serverProfileName>
<serverIndex>2</serverIndex>
<hostIP>10.11.11.10</hostIP>
<onuIfName></onuIfName>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.11.6 XML Request to get Line Group Id and Ifindex of the Gponport Physical

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get Device_Id Request	284			OSS Response for Handle_Id
Card_Id_1		2			Slot # (valid value 1 to 14)
Physical_Id_1		1			Olt# (valid value 1 to 8)
Physical_Id_2		1330			Gemport # on which the voice service or cpe connection was provided (valid value 257 to 3828).

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>

```

```
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>GponPortPhysical</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=1330</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>lineGroupId</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15483</Handle_Id>
```

```

<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>1330</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>29</lineGroupId>
<ifIndex>318</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.11.7 XML Request to get ifIndex of the bridge logical

Input Parameters

Parameter	Source	Sample Value	Description	Request Mode	Request Type
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
lineGroupId	Response of the get line Group Id Request and ifIndex of the Gponport	29	OSS Response for lineGroupId		

	Physical				
lowerIfIndex	ifIndex value got in the "response of the get line Group Id Request and ifIndex of the Gponport Physical"	318	LowerifIndex		
vlanId		300	Vlan id associated with the cpe connection that needs to be deleted.		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>BridgeLogical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>lineGroupId=29</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>lowerIfIndex=318</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>vlanId=300</Value>

```

```
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5092</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5092</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<ifIndex>319</ifIndex>
</ResponseElement>
</Response>

##### END OF OSSXML RESPONSE #####
```

Note: In the above, both Handle_Id and ifIndex of the Bridge Logical is retrieved. Handle_Id is required only for admin up/down the bridge. ifIndex only is required for deleting the cpe connection

4.11.8 XML Request to get Handle_Id of the CPE Connection

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_ID	Response of the get Device_Id Request	284			OSS Response for Handle_Id
vlanXlateId		300			Vlan associated with the voice bridge
bridgeIfIndex	Response of the get ifIndex Request	319			Ifindex of the bridge

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_ID=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>vlanXlateId=300</Value>
</Attribute>
```

```
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanId=0</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>bridgeIfIndex=319</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>76</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>75</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName></gemPortIfName>
```

```

<ifIndex>322</ifIndex>
<name>Voip-CUSTOMER-1</name>
<vlanXlateId>1000</vlanXlateId>
<gponPortId>0</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 09:35:47:25</Timestamp>
<bridgeTemplateName></bridgeTemplateName>
<gponSlotId>0</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>322</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>0</gponOnuId>
<egressGroupTemplate></egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName></gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.11.9 XML Request to Delete a CPE Connection

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	online	delete	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Handle_Id	Response of the get CPE Connection	76			OSS Response for Handle_Id

	Handle_Id Request				
--	----------------------	--	--	--	--

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>76</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>76</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
```

<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>75</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName></gemPortIfName>
<ifIndex>322</ifIndex>
<name>Voip-CUSTOMER-1</name>
<vlanXlateId>300</vlanXlateId>
<gponPortId>0</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 09:35:47:25</Timestamp>
<bridgeTemplateName></bridgeTemplateName>
<gponSlotId>0</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>319</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>0</gponOnuId>
<egressGroupTemplate></egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName></gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>

</Response>

END OF OSSXML RESPONSE

4.12 Deleting “ONU to ONU” or “ONU to PWE card port” PWE service

This involves:

- Deleting PWE service from the relevant CES port(s) of the ONT (if PWE service is provisioned on multiple CES ports of the ONT, then PWE service from each CES port needs to be deleted separately to completely remove PWE service from this ONT)
- Deleting cpe ip used on the ONT for PWE service. This step is required only if all PWE service given through one or more CES ports needs to be deleted from this ONT.
- Deleting the CPE connection used on the ONT for PWE service. This step is required only if all PWE service needs to be delete from this ONT. This action also delete the bridge and the gem used for the PWE service on that ONT

4.12.1 XML Request to get the Device_Id of MXK:

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
```

```
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.12.2 XML Request to get Handle_Id of CpePweSubscriber for a given CES port of an ONT

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the "get Handle_Id of the device" Request	284	Handle Id of the MXK		
Card_Id_1		2	Slot number (valid value 1 to 14)		
Physical_Id_1		1	PON port number (valid value 1 to 8)		
Physical_Id_2		30	ONU number (valid number 1 to 64)		
port_Number		1	POTS Port number (valid number 1 to 4 for 5114 ONT)		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0. 090835435369767</SessionID>
```

```
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>DynOmciCpePweSubscriber</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>portNumber=1</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpePweSubscriber</Handle_Type>
<Handle_Id>4</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpePweSubscriber_Group>99999</DynOmciCpePweSubscriber_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
```

```
<DynOmciCpePweSubscriber_Id>43</DynOmciCpePweSubscriber_Id>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpePweSubscriber_Type>DynOmciCpePweSubscriber</DynOmciCpePweSubscriber_Type>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name></name>
<profileIndex>1</profileIndex>
<profileName></profileName>
<lineLength>0</lineLength>
<adminState>1</adminState>
<nearEndPort>59001</nearEndPort>
<farEndPort>59001</farEndPort>
<farEndIP>10.10.10.254</farEndIP>
<ifIndex>43</ifIndex>
<Timestamp>2012-04-24 23:39:18:780</Timestamp>
<loopback>1</loopback>
<onuIfName></onuIfName>
<pweTemplate></pweTemplate>
<portNumber>1</portNumber>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.12.3 XML Request to Delete CpePweSubscriber from CES port of an ONT

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	online	delete
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the "get Handle_Id of the device" Request	284	Handle Id of the MXK		
Handle_Id	Response of the "get handle id of CpePweSubscriber of the voip port" Request	4	Handle Id of the CpePweSubscriber		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
```

```
<Value>DynOmciCpePweSubscriber</Value>
</Attribute>
<Attribute>
  <Name>Handle_Id</Name>
  <Value>4</Value>
</Attribute>
</RequestElement>
</OSS>
```

Reponse:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpePweSubscriber</Handle_Type>
<Handle_Id>4</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpePweSubscriber_Group>99999</DynOmciCpePweSubscriber_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<DynOmciCpePweSubscriber_Id>43</DynOmciCpePweSubscriber_Id>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpePweSubscriber_Type>DynOmciCpePweSubscriber</DynOmciCpePweSubscriber_Type>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
```

```

<name></name>
<profileIndex>1</profileIndex>
<profileName></profileName>
<lineLength>0</lineLength>
<adminState>1</adminState>
<nearEndPoint>59001</nearEndPoint>
<farEndPoint>59001</farEndPoint>
<farEndIP>10.10.10.254</farEndIP>
<ifIndex>43</ifIndex>
<Timestamp>2012-04-24 23:39:18:780</Timestamp>
<loopback>1</loopback>
<onuIfName></onuIfName>
<pweTemplate></pweTemplate>
<portNumber>1</portNumber>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note:

Repeat the above two commands for other CES port(s) if applicable – to delete pwe subscribers from 2nd CES port, and so on.

4.12.4 XML Request to get Handle_Id of Cpe IP of the PWE service on the ont

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the “get Handle_Id of the	284	Handle Id of the MXK		

	device “ Request				
Card_Id_1		2	Slot number (valid value 1 to 14)		
Physical_Id_1		1	PON port number (valid value 1 to 8)		
Physical_Id_2		30	ONU number (valid number 1 to 64)		
serviceType		2	Service type is 2 for pwe		

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=1</Value>
</Attribute>

```

```
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=30</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>serviceType=2</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>8</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>8</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
```

```

<Root_Type>Root</Root_Type>
<name></name>
<ipServerTemplate></ipServerTemplate>
<serviceType>2</serviceType>
<ifIndex>43</ifIndex>
<Timestamp>2012-04-24 13:47:32:567</Timestamp>
<serverProfileName></serverProfileName>
<serverIndex>3</serverIndex>
<hostIP>10.10.10.10</hostIP>
<onuIfName></onuIfName>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.12.5 XML Request to Delete Cpe IP of the PWE service on the ONT

Input Parameters:

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0. 090835435369767	OSS response for SessionID	online	delete
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the "get Handle_Id of the device" Request	284	Handle Id of the MXK		
Handle_Id	Response of the "get handle id of Cpelp of the pwe service"	8	Handle Id of the CpeIP of the pwe service		

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeIp</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>8</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeIp</Handle_Type>
<Handle_Id>8</Handle_Id>
<Handle_Group>99999</Handle_Group>
<DynOmciCpeIp_Type>DynOmciCpeIp</DynOmciCpeIp_Type>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
```

```

<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<DynOmciCpeIp_Group>99999</DynOmciCpeIp_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<DynOmciCpeIp_Id>8</DynOmciCpeIp_Id>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<name></name>
<ipServerTemplate></ipServerTemplate>
<serviceType>1</serviceType>
<ifIndex>34</ifIndex>
<Timestamp>2012-04-23 11:02:00:72</Timestamp>
<serverProfileName></serverProfileName>
<serverIndex>2</serverIndex>
<hostIP>10.10.10.30</hostIP>
<onuIfName></onuIfName>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.12.6 XML Request to get Line Group Id and Ifindex of the Gponport Physical Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName

Device_Id	Response of the get Device_Id Request	284			OSS Response for Handle_Id
Card_Id_1		2			Slot # (valid value 1 to 14)
Physical_Id_1		1			Olt# (valid value 1 to 8)
Physical_Id_2		1530			Gemport # on which pwe the service or cpe connection was provided (valid value 257 to 3828).

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponPortPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=1</Value>
</Attribute>
<Attribute>

```

```
<Name>Filter_Condition</Name>
  <Value>Physical_Id_2=1530</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>lineGroupId</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15483</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>1530</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
```

```

<lineGroupId>29</lineGroupId>
<ifIndex>322</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.12.7 XML Request to get ifIndex of the bridge logical

Input Parameters

Parameter	Source	Sample Value	Description	Request Mode	Request Type
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
lineGroupId	Response of the get line Group Id Request and ifIndex of the Gponport Physical	29	OSS Response for lineGroupId		
lowerIfIndex	ifIndex value got in the “response of the get line Group Id Request and ifIndex of the Gponport Physical”	322	Lower ifIndex		
vlanId		400	Vlan id associated with the cpe pwe connection that needs to be deleted.		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>

```

```
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>BridgeLogical</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lineGroupId=29</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lowerIfIndex=322</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanId=400</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
```

```

<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5092</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5092</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<ifIndex>323</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note: In the above, both Handle_Id and ifIndex of the Bridge Logical is retrieved. Handle_Id is required only for admin up/down the bridge. ifIndex only is required for deleting the cpe connection

4.12.8 XML Request to get Handle_Id of the CPE Connection

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_ID	Response of the get Device_Id Request	284			OSS Response for Handle_Id
vlanXlateId		1000			
bridgeIfIndex	Response of the get ifIndex Request	323			Bridge ifIndex

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>DynOmciCpeConnection</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_ID=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>vlanXlateId=1000</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>vlanId=0</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>bridgeIfIndex=323</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
```

<Handle_Id>75</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>75</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName></gemPortIfName>
<ifIndex>323</ifIndex>
<name>H-SI-CUSTOMER-1</name>
<vlanXlateId>1000</vlanXlateId>
<gponPortId>0</gponPortId>
<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 09:35:47:25</Timestamp>
<bridgeTemplateName></bridgeTemplateName>
<gponSlotId>0</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>323</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>0</gponOnuId>
<egressGroupTemplate></egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>

```

<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName></gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.12.9 XML Request to Delete a CPE Connection

Note: Deleting CPE connection also automatically removes the bridge that was created for pwe service on the GEM port if that cpe connection is the last one.

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	online	delete	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Handle_Id	Response of the get CPE Connection Handle_Id Request	75			OSS Response for Handle_Id

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>DynOmciCpeConnection</Value>

```

```
</Attribute>
<Attribute>
  <Name>Handle_Id</Name>
  <Value>75</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
```

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>DynOmciCpeConnection</Handle_Type>
<Handle_Id>75</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<DynOmciCpeConnection_Id>75</DynOmciCpeConnection_Id>
<Region_Id>1</Region_Id>
<DynOmciCpeConnection_Group>99999</DynOmciCpeConnection_Group>
<DynOmciCpeConnection_Type>DynOmciCpeConnection</DynOmciCpeConnection_Type>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<slanXlateTpId>33024</slanXlateTpId>
<slanXlateId>0</slanXlateId>
<tpType>1</tpType>
<vlanTpId>33024</vlanTpId>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<vlanXlateTpId>33024</vlanXlateTpId>
<gemPortIfName></gemPortIfName>
<ifIndex>322</ifIndex>
<name>PWE-CUSTOMER-1</name>
<vlanXlateId>1000</vlanXlateId>
<gponPortId>0</gponPortId>
```

```

<vlanCos>0</vlanCos>
<slanCos>0</slanCos>
<tpIndex>1</tpIndex>
<vlanXlateCos>0</vlanXlateCos>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<vlanId>0</vlanId>
<Timestamp>2012-04-19 09:35:47:25</Timestamp>
<bridgeTemplateName></bridgeTemplateName>
<gponSlotId>0</gponSlotId>
<egressGroupIndex>0</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<bridgeIfIndex>323</bridgeIfIndex>
<groupTemplate></groupTemplate>
<floodingGport>0</floodingGport>
<dscpToCosIndex>0</dscpToCosIndex>
<gponOnuId>0</gponOnuId>
<egressGroupTemplate></egressGroupTemplate>
<slanXlateCos>0</slanXlateCos>
<slanTpId>33024</slanTpId>
<videoGport>0</videoGport>
<gtpTemplateName></gtpTemplateName>
<slanId>0</slanId>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

Note: The above completes deleting pwe service from the ONU. If the PWE service is given between two ONUs, similar way delete PWE service from other ONU also.

In case the PWE service from the ONU was terminated on a PWE card port, the service needs to be deleted from the PWE card port as demonstrated below.

4.12.10 XML Request to get ifIndex and Handle_Id of a pwe card port

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate	test			OSS response for operName

	Request			
Device_Id	Response of the get CPE Connection Handle_Id Request	284		OSS Response for Handle_Id
Card_Id_1		1		Slot id of the pwe card (valid values 1 to 14)
Physical_Id_1		20		E1 port of the pwe card (valid values 1 to 24)

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Physical</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>lineGroupId</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>ifIndex</Value>

```

```
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=1</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=20</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>E1_Physical</Handle_Type>
<Handle_Id>15788</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_1>20</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
```

```

<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>394</lineGroupId>
<ifIndex>393</ifIndex>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.12.11 XML Request to get Handle_Id of pwe-bundle on the pwe card port

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get CPE Connection Handle_Id Request	284			OSS Response for Handle_Id
ifIndex	Response of the get ifIndex of the pwe port	393			Ifindex of the pwe port

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>

```

```
<Version>2.1</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>PweStdConfig</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>ifIndex=393</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>PweStdConfig</Handle_Type>
<Handle_Id>3</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>0</Card_Id_1>
<Card_Group_1>0</Card_Group_1>
<Physical_Id_1>0</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
<PweStdConfig_Group>99999</PweStdConfig_Group>
<Physical_Group_1>0</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>0</Shelf_Id>
<PweStdConfig_Id>3</PweStdConfig_Id>
```

```

<PweStdConfig_Type>PweStdConfig</PweStdConfig_Type>
<Device_Id>284</Device_Id>
<Shelf_Group>0</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<tdmPktFillPattern>255</tdmPktFillPattern>
<stdOutboundLabel>59020</stdOutboundLabel>
<packetDelayVariation>0</packetDelayVariation>
<tdmPktReorder>2</tdmPktReorder>
<stdInboundLabel>59020</stdInboundLabel>
<bundleIfIndex>393</bundleIfIndex>
<bundleIsdnMode>1</bundleIsdnMode>
<tdmPktReplacePolicy>1</tdmPktReplacePolicy>
<bundleTos>224</bundleTos>
<bundleDs0Bundle></bundleDs0Bundle>
<stdPeerIPAddress>10.10.10.20</stdPeerIPAddress>
<stdAdminStatus>1</stdAdminStatus>
<bundleLocalIpAddr>10.10.10.254</bundleLocalIpAddr>
<tdmJitterBufferDepth>1949</tdmJitterBufferDepth>
<ifIndex>393</ifIndex>
<Timestamp>2012-05-02 01:34:22:118</Timestamp>
<tdmPayloadSize>250</tdmPayloadSize>
<connectionType>1</connectionType>
<stdDescription></stdDescription>
<name>3 null</name>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.12.12 XML Request to delete pwe-bundle from the pwe card port

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName

Device_Id	Response of the get CPE Connection Handle_Id Request	284			OSS Response for Handle_Id
Handle_Id	Response of the get Handle_Id request	3			Handle id of the pwe bundle

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>delete</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>2.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>PweStdConfig</Value>
</Attribute>
<Attribute>
<Name>Device_Id</Name>
<Value>284</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>3</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response:

OSSXML RESPONSE BEGIN

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>PweStdConfig</Handle_Type>
<Handle_Id>3</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>0</Card_Id_1>
<Card_Group_1>0</Card_Group_1>
<Physical_Id_1>0</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
<PweStdConfig_Group>99999</PweStdConfig_Group>
<Physical_Group_1>0</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>0</Shelf_Id>
<PweStdConfig_Id>3</PweStdConfig_Id>
<PweStdConfig_Type>PweStdConfig</PweStdConfig_Type>
<Device_Id>284</Device_Id>
<Shelf_Group>0</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<tdmPktFillPattern>255</tdmPktFillPattern>
<stdOutboundLabel>59020</stdOutboundLabel>
<packetDelayVariation>0</packetDelayVariation>
<tdmPktReorder>2</tdmPktReorder>
<stdInboundLabel>59020</stdInboundLabel>
<bundleIfIndex>393</bundleIfIndex>
<bundleIsdnMode>1</bundleIsdnMode>
<tdmPktReplacePolicy>1</tdmPktReplacePolicy>
<bundleTos>224</bundleTos>
<bundleDs0Bundle></bundleDs0Bundle>
<stdPeerIPAddress>10.10.10.20</stdPeerIPAddress>
<stdAdminStatus>1</stdAdminStatus>
<bundleLocalIpAddr>10.10.10.254</bundleLocalIpAddr>
<tdmJitterBufferDepth>1949</tdmJitterBufferDepth>
<ifIndex>393</ifIndex>

```

<Timestamp>2012-05-02 01:34:22:118</Timestamp>
<tdmPayloadSize>250</tdmPayloadSize>
<connectionType>1</connectionType>
<stdDescription></stdDescription>
<name>3 null</name>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.13 Deleting a WireBridge from uplink (Part of Deleting L2/L3 business service from an ONT)

After deleting the Bridge and cpe connection on the line card side, the wire bridge configured for this customer also must be deleted from the uplink card port.

4.13.1 [XML Request to get the Device Id of the MXK](#)

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>

```

```
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####
```

4.13.2 XML Request to Retrieve line group id of the uplink card port physical :

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get handle_id request for the device	284	OSS response for Handle_Id		
Name=		1-a-2-0	Physical interface on the slot a uplink card on which network side connection is available.		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Ether_Physical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
```

```
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=1-a-2-0</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>lineGroupId</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Ether_Physical</Handle_Type>
<Handle_Id>15057</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>30</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_1>2</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxUplink4g_Card</Card_Type_1>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>Ether_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>5</lineGroupId>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.13.3 XML Request to Retrieve Handle_Id of the bridge logical

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get handle_id request for the device	284	OSS response for Handle_Id of the MXK		
lineGroupId		5			
vlanId		2000			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
  <Request>
    <RequestType>list</RequestType>
    <RequestMode>offline</RequestMode>
    <SessionID> 0.090835435369767</SessionID>
    <operName>test</operName>
    <Version>1.16</Version>
  </Request>
  <RequestElement>
    <Attribute>
      <Name>Filter_Type</Name>
      <Value>BridgeLogical</Value>
    </Attribute>
    <Attribute>
```

```
    <Name>Filter_Condition</Name>
    <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>lineGroupId=5</Value>
</Attribute>
<Attribute>
    <Name>Filter_Condition</Name>
    <Value>vlanId=2000</Value>
</Attribute>
<Attribute>
    <Name>Filter_Retrieve</Name>
    <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5102</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5102</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.13.4 XML Request to Delete bridge from the uplink port using Handle_Id of the Bridge

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	delete	online
operName	Response of the Authenticate Request	test	OSS response for operName		
Handle_Id	Response of the get handle_id request for the bridge logical	5102	OSS response for Handle_Id of the Bridge Logical		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
  <Request>
    <RequestType>delete</RequestType>
    <RequestMode>online</RequestMode>
    <SessionID>0.090835435369767</SessionID>
    <operName>test</operName>
    <Version>1.16</Version>
  </Request>
  <RequestElement>
    <Attribute>
      <Name>Handle_Type</Name>
      <Value>BridgeLogical</Value>
    </Attribute>
    <Attribute>
      <Name>Handle_Id</Name>
      <Value>5102</Value>
    </Attribute>
  </RequestElement>
</OSS>
```

Reponse:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5102</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5102</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<bridgeIfStagCOS>0</bridgeIfStagCOS>
<bridgeIfStagStripAndInsert>1</bridgeIfStagStripAndInsert>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<stripInsert>2</stripInsert>
<bridgeIfOutgoingCOSValue>0</bridgeIfOutgoingCOSValue>
<slanXlateId>0</slanXlateId>
<lineGroupKey>5673</lineGroupKey>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<bridgeIfStagId>0</bridgeIfStagId>
<ifType>209</ifType>
<bridgeIfStagTPID>33024</bridgeIfStagTPID>
<customerARP>2</customerARP>
<bridgeIfFloodMulticast>1</bridgeIfFloodMulticast>
<DhcpLearn></DhcpLearn>
<maxUnicast>100</maxUnicast>
<bridgeIfFloodUnknown>1</bridgeIfFloodUnknown>
<ifIndex>338</ifIndex>
<bridgeIfOutgoingCOSOption>1</bridgeIfOutgoingCOSOption>
<unblock>2</unblock>
<name>ethernet2-2000</name>
```

```
<vlanXlateId>0</vlanXlateId>
<ifTypeExtension>0</ifTypeExtension>
<bridgeIfVlanIdCOS>0</bridgeIfVlanIdCOS>
<gponPortId>0</gponPortId>
<learnMulticast>2</learnMulticast>
<customerDHCP>2</customerDHCP>
<redundancyParam1>0</redundancyParam1>
<lowerIfIndex>5</lowerIfIndex>
<bridgeIfMcastControlList>0</bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<learnUnicast>1</learnUnicast>
<vlanId>2000</vlanId>
<Timestamp>2012-04-19 14:19:37:277</Timestamp>
<lineGroupId>5</lineGroupId>
<bridgeIfStagOutgoingCOSEOption>1</bridgeIfStagOutgoingCOSEOption>
<fwdUnicast>2</fwdUnicast>
<gponSlotId>0</gponSlotId>
<filterBroadcast>2</filterBroadcast>
<egressGroupIndex>17</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<vpi>0</vpi>
<rstpEnable>2</rstpEnable>
<fwdMulticast>2</fwdMulticast>
<ingressStats>2</ingressStats>
<groupTemplate></groupTemplate>
<ifAdminStatus>1</ifAdminStatus>
<bridgeType>10</bridgeType>
<hierarchyString></hierarchyString>
<gponOnuId>0</gponOnuId>
<bridgeIfStagOutgoingCOSValue>0</bridgeIfStagOutgoingCOSValue>
<egressGroupTemplate></egressGroupTemplate>
<TableBasedFilter></TableBasedFilter>
<fwdDefault>2</fwdDefault>
<gtpTemplateName></gtpTemplateName>
<learnIp>2</learnIp>
<bridgeIfIsPPPoA>2</bridgeIfIsPPPoA>
<vci>0</vci>
<ssp>Ether 1.a.2</ssp>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
```

```
##### END OF OSSXML RESPONSE #####
```

4.14 Deleting an ONT

Note: Deleting an ONT can be either for replacing a faulty ONT or for deleting the services given to the customer in addition to deleting ONT. The xml procedure given in this section is applicable for the first case. If the other option where the customer service needs to be removed apart from deleting ONT, then follow the procedure given for deleting cpe connections to delete all cpe connections and then follow the below procedure to remove the ONT.

4.14.1 XML Request to get the Device_Id:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
name		MXK-LAB1	MXK name		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
```

```
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>283</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####
```

4.14.2 XML Request to get the Handle ID of ONU:

Input Parameters

Parameter	Source	Sample Value	Description	RequestMode	RequestType
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get	284	OSS Response for Handle_Id		

	Device_Id Request				
Card_Id_1		2	GponSlotID (valid value 1 to 14)		
Physical_Id_1		8	GponPortID (valid value 1 to 8)		
Physical_Id_2		30	OnuID (valid value 1 to 64)		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
```

```
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=2</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=8</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_2=30</Value>
</Attribute>
```

```
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>1062280</Handle_Id>
<Handle_Group>100000</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>100000</Card_Group_1>
<Physical_Id_2>1</Physical_Id_2>
<Physical_Id_1>1</Physical_Id_1>
<Region_Id>2</Region_Id>
<Device_Group>100000</Device_Group>
<Card_Type_1>Mx8Gpon_Card</Card_Type_1>
<Physical_Group_2>100000</Physical_Group_2>
<Physical_Group_1>100000</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>100000</Shelf_Group>
<Region_Group>100000</Region_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Root_Type>Root</Root_Type>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.14.3 XML Request to Delete an ONT: -

Input Parameters

Parameter	Source	Sample Value	Description
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID
operName	Response of the Authenticate Request	test	OSS response for operName
Handle_Id	Response of the request to get Handle_ID of the ONU	mxk-lab	Handle_ID of the ONU

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>GponOnuPhysical</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>1062280</Value>
</Attribute>
<Attribute>
<Name>onuAdded</Name>
<Value>2</Value>
</Attribute>
<Attribute>
<Name>meProfile</Name>
<Value></Value>
</Attribute>
</RequestElement>
```

</OSS>

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponOnu_Physical</Handle_Type>
<Handle_Id>1062280</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>30</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponOnu_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<userOntType>1</userOntType>
<onuAdded>2</onuAdded>
<lineGroupKey>5668</lineGroupKey>
<gponOnuPassword></gponOnuPassword>
<usRxPowerLowThreshold>-30</usRxPowerLowThreshold>
<autoLearn>1</autoLearn>
<ifType>1</ifType>
<cpeDescr></cpeDescr>
<ifIndex>107</ifIndex>
<name>1-2-8-30</name>
<serialNoVendorSpecific>0</serialNoVendorSpecific>
```

```

<updateLogicalNames>>false</updateLogicalNames>
<ifTypeExtension>25</ifTypeExtension>
<appendDefaultName>>false</appendDefaultName>
<meProfile></meProfile>
<serialNoVendorSpecificHex>0</serialNoVendorSpecificHex>
<autoUpgrade>1</autoUpgrade>
<redundancyParam1>0</redundancyParam1>
<genericProfile></genericProfile>
<ifTypePortId>2</ifTypePortId>
<ontIpAddress>0.0.0.0</ontIpAddress>
<Timestamp>2012-04-19 15:51:35:975</Timestamp>
<ontMacAddress></ontMacAddress>
<onuLineStatusTraps>2</onuLineStatusTraps>
<lineGroupId>29</lineGroupId>
<usRxPowerMonitoring>2</usRxPowerMonitoring>
<ontImageVersionStandby></ontImageVersionStandby>
<ontPhysicalTraps>2</ontPhysicalTraps>
<ontModel></ontModel>
<ontTraps>2</ontTraps>
<ifAdminStatus>1</ifAdminStatus>
<lpDesc>1-2-8</lpDesc>
<useRegId>2</useRegId>
<portDesc></portDesc>
<dbaStatusReporting>2</dbaStatusReporting>
<cpeObjType></cpeObjType>
<ontVersion></ontVersion>
<serialNoVendorId>ZNTS</serialNoVendorId>
<isActive>2</isActive>
<powerLevel>0</powerLevel>
<usRxPowerHighThreshold>-10</usRxPowerHighThreshold>
<usBerInterval>5000</usBerInterval>
<omciConfigFile></omciConfigFile>
<portDescriptionIndex>0</portDescriptionIndex>
<ontImageVersionActive></ontImageVersionActive>
<dsBerInterval>5000</dsBerInterval>
<cpeKey>0</cpeKey>
<fullSerialNo>ZNTS0</fullSerialNo>
<fullSerialNoHex>ZNTS0</fullSerialNoHex>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.15 Admin Up/Down a Service on an ONU (H-SI, IPTV, Voip or L2/L3 service bridge)

4.15.1 XML Request to get the Device_Id:

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
```

```

<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.15.2 XML Request to get Line Group Id and Iindex of the Gponport Physical

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get Device_Id Request	284			OSS Response for Handle_Id
Card_Id_1		2			Slot # (valid value 1 to 14)
Physical_Id_1		8			Olt# (valid value 1 to 8)
Physical_Id_2		530			Gemport # on which the service or cpe connection was provided

					(valid value 257 to 3828).
--	--	--	--	--	----------------------------

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML ossxml.xsd">
  <Request>
    <RequestType>list</RequestType>
    <RequestMode>offline</RequestMode>
    <SessionID>0.090835435369767</SessionID>
    <operName>test</operName>
    <Version>1.16</Version>
  </Request>
  <RequestElement>
    <Attribute>
      <Name>Filter_Type</Name>
      <Value>GponPortPhysical</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Condition</Name>
      <Value>Device_Id=284</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Condition</Name>
      <Value>Card_Id_1=2</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Condition</Name>
      <Value>Physical_Id_1=8</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Condition</Name>
      <Value>Physical_Id_2=530</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Retrieve</Name>
      <Value>lineGroupId</Value>
    </Attribute>
    <Attribute>
      <Name>Filter_Retrieve</Name>
      <Value>ifIndex</Value>
    </Attribute>
  </RequestElement>

```

</OSS>

Response

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15483</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>2</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>530</Physical_Id_2>
<Physical_Id_1>8</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>29</lineGroupId>
<ifIndex>322</ifIndex>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

4.15.3 XML Request to get Handle Id of the bridge logical

Input Parameters

Parameter	Source	Sample Value	Description	Request	Request
-----------	--------	--------------	-------------	---------	---------

				Mode	Type
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	offline	list
operName	Response of the Authenticate Request	test	OSS response for operName		
Device_Id	Response of the get Device_Id Request	284	OSS Response for Handle_Id		
lineGroupId	Response of the get line Group Id Request and ifIndex of the Gponport Physical	29	OSS Response for lineGroupId		
lowerIfIndex	ifIndex value got in the "response of the get line Group Id Request and ifIndex of the Gponport Physical"	322	ifIndex		
vlanId		1000	Vlan id associated with the cpe connection that needs to be deleted.		

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>BridgeLogical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>

```

```
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lineGroupId=29</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lowerIfIndex=322</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanId=1000</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5092</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5092</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
```

```

<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<ifIndex>323</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.15.4 XML Request to set Bridge Admin status to UP or DOWN

Input Parameters

Parameter	Source	Sample Value	Description
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID
operName	Response of the Authenticate Request	test	OSS response for operName
Handle_Id	Response of the get handle Id of the Bridge logical	5092	OSS Response for Handle_Id
ifAdminStatus		2	2 for admin down 1 for admin up. Use appropriately to activate or deactivate service

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>BridgeLogical</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>5092</Value>

```

```
</Attribute>
<Attribute>
  <Name>ifAdminStatus</Name>
  <Value>2</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

BEGIN OSSXML RESPONSE

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5092</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5092</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<bridgeIfStagCOS>0</bridgeIfStagCOS>
<bridgeIfStagStripAndInsert>1</bridgeIfStagStripAndInsert>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<stripInsert>2</stripInsert>
<bridgeIfOutgoingCOSValue>0</bridgeIfOutgoingCOSValue>
<slanXlateId>0</slanXlateId>
<lineGroupKey>5664</lineGroupKey>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<bridgeIfStagId>0</bridgeIfStagId>
<ifType>209</ifType>
<bridgeIfStagTPID>33024</bridgeIfStagTPID>
<customerARP>2</customerARP>
```

<bridgeIfFloodMulticast>2</bridgeIfFloodMulticast>
<DhcpLearn></DhcpLearn>
<maxUnicast>5</maxUnicast>
<bridgeIfFloodUnknown>2</bridgeIfFloodUnknown>
<ifIndex>307</ifIndex>
<bridgeIfOutgoingCOSOption>1</bridgeIfOutgoingCOSOption>
<unblock>2</unblock>
<name>test-1</name>
<vlanXlateId>0</vlanXlateId>
<ifTypeExtension>0</ifTypeExtension>
<bridgeIfVlanIdCOS>0</bridgeIfVlanIdCOS>
<gponPortId>0</gponPortId>
<learnMulticast>1</learnMulticast>
<customerDHCP>2</customerDHCP>
<redundancyParam1>0</redundancyParam1>
<lowerIfIndex>306</lowerIfIndex>
<bridgeIfMcastControlList>0</bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<learnUnicast>1</learnUnicast>
<vlanId>1000</vlanId>
<Timestamp>2012-04-19 16:59:28:220</Timestamp>
<lineGroupId>29</lineGroupId>
<bridgeIfStagOutgoingCOSOption>1</bridgeIfStagOutgoingCOSOption>
<fwdUnicast>2</fwdUnicast>
<gponSlotId>0</gponSlotId>
<filterBroadcast>2</filterBroadcast>
<egressGroupIndex>17</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<vpi>0</vpi>
<rstpEnable>2</rstpEnable>
<fwdMulticast>2</fwdMulticast>
<ingressStats>2</ingressStats>
<groupTemplate></groupTemplate>
<ifAdminStatus>2</ifAdminStatus>
<bridgeType>2</bridgeType>
<hierarchyString></hierarchyString>
<gponOnuId>0</gponOnuId>
<bridgeIfStagOutgoingCOSValue>0</bridgeIfStagOutgoingCOSValue>
<egressGroupTemplate></egressGroupTemplate>
<TableBasedFilter></TableBasedFilter>
<fwdDefault>1</fwdDefault>
<gtpTemplateName></gtpTemplateName>
<learnIp>1</learnIp>
<bridgeIfIsPPPoA>2</bridgeIfIsPPPoA>
<vci>0</vci>
<ssp>GponPort 1.2.8.530</ssp>

```

<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.16 Admin Up/Down a PWE Service

PWE is a service:

Between an ONT's CES port and another ONT's CES port

Or

Between an ONT's CES port and a port on the PWE card.

In either case, admin down or up the bridge as required for the involved ONU's pwe service as per the section 4.15. Note that If two ONTs are involved this should be done for both the ONUs.

In case, PWE port on a PWE card is involved, admin down (or up) the pwe port on the PWE card in addition to admin status change done to ONT's pwe service bridge.

The below xmls list the procedure for admin up/down the service on PWE card's port

4.16.1 [XML Request to get the Device Id of the MXK](#)

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
(dev)name		MXK-LAB1			

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">

```

```
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
```

```

<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.16.2 XML Request to get Handle_Id of the port on the pwe-card

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get CPE Connection Handle_Id Request	284			OSS Response for Handle_Id
Card_Id_1		1			Slot id of the pwe card (valid values 1 to 14)
Physical_Id_1		20			E1 port of the pwe card (valid values 1 to 24)

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>

```

```
<Version>1.16.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Physical</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>Handle_Id</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>lineGroupId</Value>
</Attribute>
<Attribute>
<Name>Filter_Retrieve</Name>
<Value>ifIndex</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=1</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=20</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>E1_Physical</Handle_Type>
```

```

<Handle_Id>15788</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_1>20</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>394</lineGroupId>
<ifIndex>393</ifIndex>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.16.3 XML Request to admin down the pwe card port

Input Parameters:

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Handle_Id	Response of the get handle id of pwe port.	15788			Handle Id pwe port
ifAdminStatus		2			2 for admin down. 1 for admin up

Request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhong.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhong.com/OSSXML
ossxml.xsd">
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0. 090835435369767</SessionID>
<operName>test</operName>
<Version>1.16.2</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Handle_Type</Name>
<Value>Physical</Value>
</Attribute>
<Attribute>
<Name>Handle_Id</Name>
<Value>15788</Value>
</Attribute>
<Attribute>
<Name>ifAdminStatus</Name>
<Value>2</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response:

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>E1_Physical</Handle_Type>
<Handle_Id>15788</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>1</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
```

<Physical_Id_1>20</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>MxT1E1Pwe24_Card</Card_Type_1>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_1>E1_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>392</lineGroupId>
<bondGroupLgIdx>0</bondGroupLgIdx>
<bondGroupIdx>0</bondGroupIdx>
<lineGroupKey>5706</lineGroupKey>
<ifType>18</ifType>
<redundancyParam1>0</redundancyParam1>
<lpDesc>1-1-20</lpDesc>
<cpeDescr></cpeDescr>
<etherOamProfileId>0</etherOamProfileId>
<updateLogicalNames>>false</updateLogicalNames>
<cpeObjType></cpeObjType>
<cpeKey>0</cpeKey>
<ifTypePortId>19</ifTypePortId>
<imaGroupLgIdx>0</imaGroupLgIdx>
<ifTypeExtension>0</ifTypeExtension>
<appendDefaultName>>false</appendDefaultName>
<isActive>2</isActive>
<portDescriptionIndex>0</portDescriptionIndex>
<Timestamp>2012-05-02 06:28:32:245</Timestamp>
<ifIndex>391</ifIndex>
<ifAdminStatus>2</ifAdminStatus>
<portDesc></portDesc>
<imaGroupIdx>0</imaGroupIdx>
<name>1-1-20-0</name>
</ResponseElement>
</Response>

END OF OSSXML RESPONSE

4.17 Upgrading/Downgrading a Service Upstream (Upstream rate changing)

Upgrading (or downgrading) a service in the upstream direction involves applying a gtp template of higher (or lower) rate on the gpon gempport..

For modifying the upstream rate by applying a different gtp template, the following conditions must be satisfied.

- The “dba-enabled” parameter should have the same value in both gtp templates (the one used while creating the service and the one to be used now). This means a dba enabled template cannot be replaced with a non-dba template and vice versa
- The “traffic-class” parameter should have the same value in both templates.
- The “compensated” parameter should have the same value in both the templates.

In effect the difference in the two gtp templates must be only in the rate values and not for any other parameters

It is assumed that this GTP template name used in the xml is already created in ZMS through ZMS GUI (one time task)

4.17.1 XML Request to get the Device_Id:

Input Parameters

Parameter	Source	Sample Value	Description	RequestType	RequestMode
SessionID	Response of the Authenticate Request	0.090835435369767	OSS response for SessionID	list	offline
operName	Response of the Authenticate Request	test	OSS response for operName		
devname		MXK-LAB1			

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
```

```
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>Device</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
```

</Response>

END OF OSSXML RESPONSE

4.17.2 XML Request to get Handle Id of the Gempport

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get Device_Id Request	284			OSS Response for Handle_Id
Card_Id_1		12			Slot # (valid value 1 to 14)
Physical_Id_1		4			Olt# (valid value 1 to 8)
Physical_Id_2		1164			Gempport # on which the service or cpe connection was provided (valid value 257 to 3828).

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponPortPhysical</Value>
</Attribute>
<Attribute>
```

```
<Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Card_Id_1=12</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_1=4</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Physical_Id_2=1164</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15768</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>12</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>1164</Physical_Id_2>
<Physical_Id_1>4</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
```

```

<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.17.3 XML Request to upgrade or downgrade gtp

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	online	Modify	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Handle_Id	Response of the handle Id Request	15768			
trafficProfileIdx		0			Compulsory to use 0
trafficProfileTemplate		10-Mb-UP			The gtp template name that should be used. Use appropriate gtp template name (should be defined in ZMS already) according to upgrade or downgrade requirement.

Request:

```
</Request>
<RequestElement>
  <Attribute>
    <Name>Handle_Type</Name>
    <Value>GponPort_Physical</Value>
  </Attribute>
  <Attribute>
    <Name>Handle_Id</Name>
    <Value>15768</Value>
  </Attribute>
  <Attribute>
    <Name>trafficProfileIdx</Name>
    <Value>0</Value>
  </Attribute>
  <Attribute>
    <Name>trafficProfileTemplate</Name>
    <Value>10-Mb-UP</Value>
  </Attribute>
</RequestElement>
</OSS>
```

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15768</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>12</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>1164</Physical_Id_2>
<Physical_Id_1>4</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
```

```

<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>33</lineGroupId>
<portConfigRowPort>1</portConfigRowPort>
<portConfigRowOnu>0</portConfigRowOnu>
<lineGroupKey>5684</lineGroupKey>
<ifType>1</ifType>
<onuId>64</onuId>
<redundancyParam1>0</redundancyParam1>
<lpDesc>1-12-4</lpDesc>
<ctmIndex>0</ctmIndex>
<trafficProfileIdx>44</trafficProfileIdx>
<updateLogicalNames>>false</updateLogicalNames>
<portConfigRowOlt>1</portConfigRowOlt>
<ifTypePortId>4</ifTypePortId>
<appendDefaultName>>false</appendDefaultName>
<ifTypeExtension>27</ifTypeExtension>
<portConfigRowShelf>1</portConfigRowShelf>
<isActive>2</isActive>
<Timestamp>2012-05-02 19:52:53:47</Timestamp>
<ifIndex>339</ifIndex>
<portDescriptionIndex>0</portDescriptionIndex>
<portConfigRowTrafficProfile>0</portConfigRowTrafficProfile>
<ifAdminStatus>1</ifAdminStatus>
<portConfigRowSlot>1</portConfigRowSlot>
<portDesc></portDesc>
<trafficProfileTemplate>10-Mb-UP</trafficProfileTemplate>
<encrypted>2</encrypted>
<direction>3</direction>
<name>1-12-4-1164</name>
<multicast>2</multicast>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.18 Upgrading/Downgrading a Service Downstream (Downstream rate changing)

This involves changing egress packet rule group configured on bridge interface to one that uses different rate . It is assumed that the Packet Rule Group template name used in the xml is already created in ZMS through ZMS GUI (one time task)

4.18.1 XML Request to get the Device_Id

Input Parameters

Parameter	Source	Sample Value	Request Type	Request Mode	Description
SessionID	Response of the Authenticate Request	0. 090835435369767	list	offline	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
(dev)name		MXK-LAB-1			Name of the MXK on which operation needs to be done.

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>Device</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>name=MXK-LAB1</Value>
</Attribute>
<Attribute>
```

```

    <Name>Filter_Retrieve</Name>
    <Value>Handle_Id</Value>
</Attribute>
</RequestElement>
</OSS>

```

Response

```

##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Mx19_Device</Handle_Type>
<Handle_Id>284</Handle_Id>
<Handle_Group>100000</Handle_Group>
<SubRegion_Group_1>100000</SubRegion_Group_1>
<Root_Type>Root</Root_Type>
<Device_Id>284</Device_Id>
<Device_Group>100000</Device_Group>
<SubRegion_Id_1>44</SubRegion_Id_1>
<Region_Group>100000</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<SubRegion_Type_1>SubRegionOne</SubRegion_Type_1>
<Region_Type>Region</Region_Type>
<Region_Id>2</Region_Id>
</ResponseElement>
</Response>
##### END OF OSSXML RESPONSE #####

```

4.18.2 XML Request to get Line Group Id and Ifindex of the Gponport Physical

Input Parameters

Parameter	Source	Sample Value	RequestMode	RequestType	Description
SessionID	Response of the Authenticate Request	0.090835435369767	offline	list	OSS response for SessionID
operName	Response of the Authenticate Request	test			OSS response for operName
Device_Id	Response of the get Device_Id	284			OSS Response for

	Request			Handle_Id
Card_Id_1		12		Slot # (valid value 1 to 14)
Physical_Id_1		4		Olt# (valid value 1 to 8)
Physical_Id_2		1164		Gemport # on which the service or cpe connection was provided (valid value 257 to 3828).

Request

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
<Name>Filter_Type</Name>
<Value>GponPortPhysical</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Device_Id=284</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Card_Id_1=12</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_1=4</Value>
</Attribute>
<Attribute>
<Name>Filter_Condition</Name>
<Value>Physical_Id_2=1164</Value>
</Attribute>

```

```
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>lineGroupId</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>GponPort_Physical</Handle_Type>
<Handle_Id>15768</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Region_Type>Region</Region_Type>
<Card_Id_1>12</Card_Id_1>
<Card_Group_1>99999</Card_Group_1>
<Physical_Id_2>1164</Physical_Id_2>
<Physical_Id_1>4</Physical_Id_1>
<Region_Id>1</Region_Id>
<Device_Group>99999</Device_Group>
<Card_Type_1>Mx4NewGpon_Card</Card_Type_1>
<Physical_Group_2>99999</Physical_Group_2>
<Physical_Group_1>99999</Physical_Group_1>
<Root_Id>0</Root_Id>
<Physical_Type_2>GponPort_Physical</Physical_Type_2>
<Physical_Type_1>GponOlt_Physical</Physical_Type_1>
<Root_Group>0</Root_Group>
<Shelf_Id>1</Shelf_Id>
<Device_Id>284</Device_Id>
<Shelf_Group>99999</Shelf_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Shelf_Type>Shelf</Shelf_Type>
<Root_Type>Root</Root_Type>
<lineGroupId>33</lineGroupId>
<ifIndex>339</ifIndex>
```

</ResponseElement>
 </Response>

END OF OSSXML RESPONSE

4.18.3 XML Request to get Handle Id of the bridge logical

Input Parameters

Parameter	Source	Sample Value	Description	Request Mode	Request Type
SessionID	Response of the Authenticate Request	0.090835435369767	response for SessionID	offline	list
operName	Response of the Authenticate Request	test	response for operName		
Device_Id	Response of the get Device_Id Request	284	Response for Handle_Id		
lineGroupId	Response of the get line Group Id Request and ifIndex of the Gponport Physical	33	Response for lineGroupId		
lowerIfIndex	ifIndex value got in the "response of the get line Group Id Request and ifIndex of the Gponport Physical"	339	ifIndex of the gemport		
vlanId		10	Vlan id associated with the bridge		

Request

```
<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">
<Request>
<RequestType>list</RequestType>
<RequestMode>offline</RequestMode>
<SessionID> 0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
```

```
</Request>
<RequestElement>
<Attribute>
  <Name>Filter_Type</Name>
  <Value>BridgeLogical</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>Device_Id=284</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lineGroupId=33</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>lowerIfIndex=339</Value>
</Attribute>
<Attribute>
  <Name>Filter_Condition</Name>
  <Value>vlanId=10</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>Handle_Id</Value>
</Attribute>
<Attribute>
  <Name>Filter_Retrieve</Name>
  <Value>ifIndex</Value>
</Attribute>
</RequestElement>
</OSS>
```

Response

```
##### OSSXML RESPONSE BEGIN #####
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5124</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5124</Logical_Id_1>
```

```

<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>28</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<ifIndex>340</ifIndex>
</ResponseElement>
</Response>

```

END OF OSSXML RESPONSE

4.18.4 XML Request to modify egress packet rule of the bridge

Input Parameters

Parameter	Source	Sample Value	Description	Request Mode	Request Type
SessionID	Response of the Authenticate Request	0.090835435369767	response for SessionID	online	modify
operName	Response of the Authenticate Request	test	response for operName		
Handle_Id	Response of the get handle Id of the bridge	5124	Handle id of the bridge		
egressGroupIndex		0	Must be set as 0		
egressGroupTemplate		10-Mb-DOWN	Template name corresponding to the required rate		

Request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<OSS xmlns="http://www.zhone.com/OSSXML"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.zhone.com/OSSXML ossxml.xsd">

```

```
<Request>
<RequestType>modify</RequestType>
<RequestMode>online</RequestMode>
<SessionID>0.090835435369767</SessionID>
<operName>test</operName>
<Version>1.16</Version>
</Request>
<RequestElement>
<Attribute>
  <Name>Handle_Type</Name>
  <Value>BridgeLogical</Value>
</Attribute>
<Attribute>
  <Name>Handle_Id</Name>
  <Value>5124</Value>
</Attribute>
<Attribute>
  <Name>egressGroupIndex</Name>
  <Value>0</Value>
</Attribute>
<Attribute>
  <Name>egressGroupTemplate</Name>
  <Value>10-Mb-DOWN</Value>
</Attribute>
</RequestElement>
</OSS>
```

OSSXML RESPONSE BEGIN

```
<Response>
<OverAllStatus>Success</OverAllStatus>
<OverAllDescription>COMMON_SUCCESS</OverAllDescription>
<ResponseElement>
<status>Success</status>
<Description>COMMON_SUCCESS</Description>
<Handle_Type>Bridge_Logical</Handle_Type>
<Handle_Id>5124</Handle_Id>
<Handle_Group>99999</Handle_Group>
<Logical_Id_1>5124</Logical_Id_1>
<Root_Type>Root</Root_Type>
<Logical_Type_1>Bridge_Logical</Logical_Type_1>
<Device_Id>284</Device_Id>
<Device_Group>99999</Device_Group>
<Region_Group>99999</Region_Group>
<Device_Type>Mx19_Device</Device_Type>
<Root_Group>0</Root_Group>
```

<Root_Id>0</Root_Id>
<Region_Type>Region</Region_Type>
<Logical_Group_1>99999</Logical_Group_1>
<Region_Id>1</Region_Id>
<bridgeIfStagCOS>0</bridgeIfStagCOS>
<bridgeIfStagStripAndInsert>1</bridgeIfStagStripAndInsert>
<bridgeIfMaxVideoStreams>0</bridgeIfMaxVideoStreams>
<stripInsert>2</stripInsert>
<bridgeIfOutgoingCOSValue>0</bridgeIfOutgoingCOSValue>
<slanXlateId>0</slanXlateId>
<lineGroupKey>5684</lineGroupKey>
<gponOltId>0</gponOltId>
<groupIndex>0</groupIndex>
<bridgeIfStagId>0</bridgeIfStagId>
<ifType>209</ifType>
<bridgeIfStagTPID>33024</bridgeIfStagTPID>
<customerARP>2</customerARP>
<bridgeIfFloodMulticast>2</bridgeIfFloodMulticast>
<DhcpLearn></DhcpLearn>
<maxUnicast>5</maxUnicast>
<bridgeIfFloodUnknown>2</bridgeIfFloodUnknown>
<ifIndex>340</ifIndex>
<bridgeIfOutgoingCOSOption>1</bridgeIfOutgoingCOSOption>
<unblock>2</unblock>
<name>1-12-4-1164-gponport-10</name>
<vlanXlateId>0</vlanXlateId>
<ifTypeExtension>0</ifTypeExtension>
<bridgeIfVlanIdCOS>0</bridgeIfVlanIdCOS>
<gponPortId>0</gponPortId>
<learnMulticast>1</learnMulticast>
<customerDHCP>2</customerDHCP>
<redundancyParam1>0</redundancyParam1>
<lowerIfIndex>339</lowerIfIndex>
<bridgeIfMcastControlList></bridgeIfMcastControlList>
<gponTrafficIdx>0</gponTrafficIdx>
<learnUnicast>1</learnUnicast>
<vlanId>10</vlanId>
<Timestamp>2012-05-02 23:45:50:211</Timestamp>
<lineGroupId>33</lineGroupId>
<bridgeIfStagOutgoingCOSOption>1</bridgeIfStagOutgoingCOSOption>
<fwdUnicast>2</fwdUnicast>
<gponSlotId>0</gponSlotId>
<filterBroadcast>2</filterBroadcast>
<egressGroupIndex>26</egressGroupIndex>
<ctmIndex>0</ctmIndex>
<vpi>0</vpi>

```
<rstpEnable>2</rstpEnable>
<fwdMulticast>2</fwdMulticast>
<ingressStats>2</ingressStats>
<groupTemplate></groupTemplate>
<ifAdminStatus>1</ifAdminStatus>
<bridgeType>2</bridgeType>
<hierarchyString></hierarchyString>
<gponOnuId>0</gponOnuId>
<bridgeIfStagOutgoingCOSValue>0</bridgeIfStagOutgoingCOSValue>
<egressGroupTemplate>60mb</egressGroupTemplate>
<TableBasedFilter></TableBasedFilter>
<fwdDefault>1</fwdDefault>
<gtpTemplateName></gtpTemplateName>
<learnIp>1</learnIp>
<bridgeIfIsPPPoA>2</bridgeIfIsPPPoA>
<vci>0</vci>
<ssp>GponPort 1.12.4.1164</ssp>
<mvrVlanId>0</mvrVlanId>
</ResponseElement>
</Response>
```

END OF OSSXML RESPONSE

5 APPENDIX

5.1 Initial Tasks to be completed on ZMS and MXKs

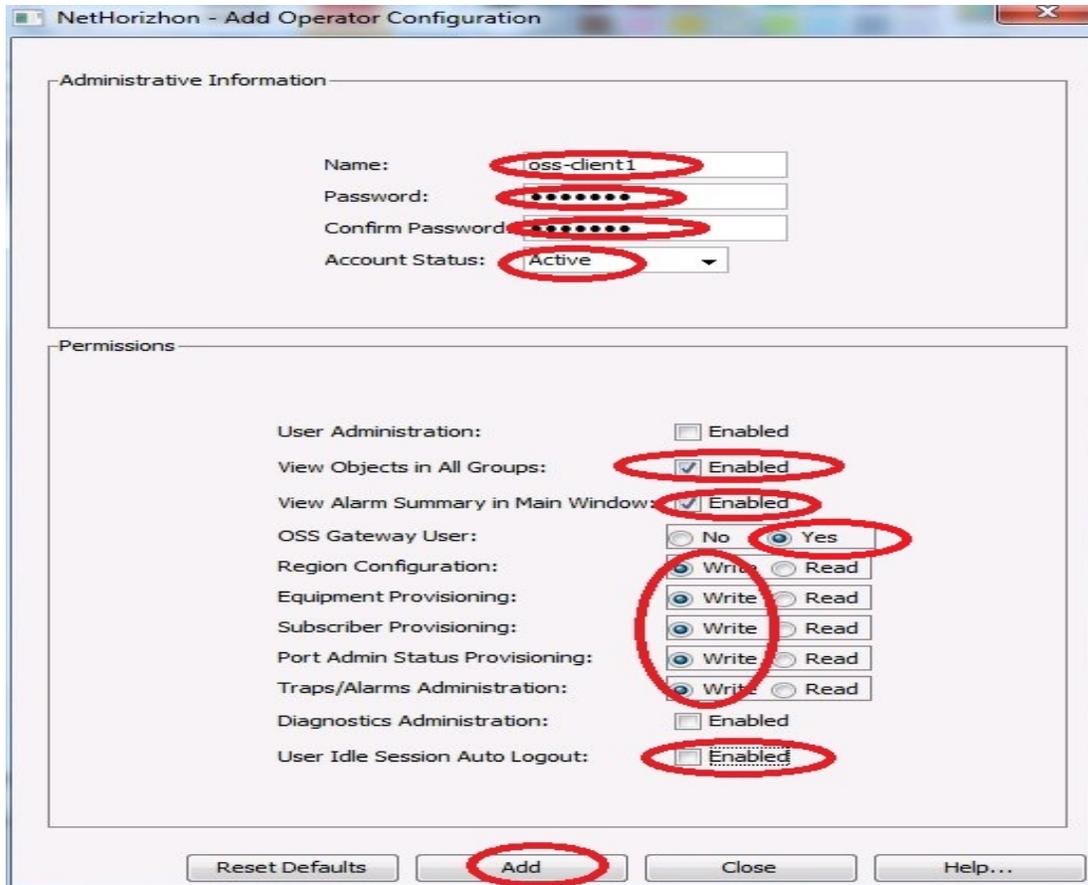
This section describes the various tasks to be completed before using OSS-XML Gateway for service provisioning. There are some one time tasks to be completed in ZMS and some one time tasks to be completed on every MXK as soon as they are added for service.

5.1.1 One time tasks to be completed on ZMS before using OSS Gateway

- 1) Create an operator in ZMS with write privileges and designated as “OSS Gateway user”.

To do this, from NH client, login to ZMS as administrator. Under the region, locate “operators”, right click on it and select “Add..”

In the resulting form fill-up the required information as shown below and then click “Add”. The specified oss gateway user will be created. Close the GUI session.



This user name should be used as “operName” in each xml request sent by oss client. If there are multiple oss clients, it is suggested to create multiple oss client accounts in the similar way.

- 2) Create gtp (gpon-traffic-profile) templates in ZMS using NH GUI for various rates that is relevant to services offering. GTP controls rate in upstream direction and the appropriate gtp template name should be used while creating the cpe connection.

Though the naming format of the gtp template is not limited, we recommend the template naming as below to easily identify the rate from the gtp template name itself.

512-Kb-UP

1-Mb-UP

2-Mb-UP

4-Mb-UP, so on.

These gtp template names will be used while provision from OSS.

- 3) Create Packet Rule Group templates in ZMS using NH GUI for various rates that is relevant to service offering. These templates can be used while creating cpe connection to apply rate limiting in downstream direction. Examples

512-Kb-DOWN

1-Mb-DOWN
2-Mb-DOWN
5-Mb-DOWN
So on....

5.1.2 Initial Profiles expected to be in each MXK when it is added in ZMS network

- 1) For triple-play services, only three bridges on the uplink port or linkagg group (connecting to network) needs to be created for bridging traffic to/for all triple-paly customers on that MXK. As these bridge creation will be part of commissioning each MXK, It is expected that these three bridges (one for H-SI, 2nd for IPTV and the third for SIP) are already configured in the device. Hence uplink bridge creation for triply play is not covered through XMLs in this document.
- 2) For voice service provision on ONTs, there are few profiles needed in each MXK. These profiles are expected to be created in MXK at the time of commissioning with the index shown as below:

- cpe ip server profile with index 2
- cpe voip server profile with index 3
- cpe voip media profile with index 1
- cpe voip sip dialplan profile configured to used by voip server

It is required that all these profiles have same index in each device to make it possible to use the index number while creating sip service on those devices. This is to avoid, listing steps in querying the index of the profiles while provisioning sip service on the ont.

- 3) For PWE service provision on ONTs, there are few profiles needed in each MXK. These profiles are expected to be created in MXK at the time of commissioning with the index shown as below:

- cpe ip server profile with index 3
- cpe pwe common profile that use timing source “adaptive” - with index 1
- cpe pwe common profile that use timing source “loop” – with index 2

It is required that all these profiles have same index in each device to make it possible to use the index number while creating sip service on those devices. This is to avoid, listing steps in querying the index of the profiles while provisioning sip service on the ont.

5.1.3 Recommendation on Selecting Gemport for Service Provisioning

Though gemport selection while creating cpe-connection has a wide valid range, starting from 257 to 3828 per pon port, it is recommended that, some kind of formula or

convention is used while selecting a gemport number to provision service on an ont's port. This is for the purpose of easing trouble shooting and for convenience.

A sample convention that may be followed is as below (provided only as a suggestion).

- 1) GEM 5xx series for first eth port service, where xx is the onu id (1 to 64)

So, for a service on 1st eth port on 1st onu, gem used will be ⇒ 501

For a service on 1st eth port of 10th onu, gem used will be ⇒ 510

- 2) GEM 7xx series for 2nd eth port service, where xx is the on id (1 to 64)

So, for a service on 2nd eth port on 1st onu, gem selected will be ⇒ 701

For a service on 2nd eth port of 10th onu, gem selected will be ⇒ 710

- 3) GEM 9xx series for 3rd eth port service, where xx is the on id (1 to 64)

So, for a service on 3rd eth port on 1st onu, gem selected will be ⇒ 901

For a service on 3rd eth port of 10th onu, gem used will be ⇒ 910

- 4) GEM 11xx series for 4th eth port service, where xx is the on id (1 to 64)

So, for a service on 4th eth port on 1st onu, gem selected will be ⇒ 1101

For a service on 4th eth port of 10th onu, gem used will be ⇒ 1110

- 5) GEM 13xx series for voice (all pots ports on the ont will used the same gemport)

Here voice gem for onu 1 could be ⇒ 1301

Simialry for 10th onu, it will be ⇒ 1310

5.2 Reporting a Problem Related to OSS Provisioning

If errors/rejections are encountered duiring xml provisioning and not able to find the reason for rejection/failure , please send a mail to local gss contact or to mea-gss@zhone.com with the following

- 1) A brief description of the problem
- 2) Open IE from zms client machine and point to the url
<http://znetra14:7001/zms/Debug>
change debug level for OSS and OSS-XML to level 3 and click submit
- 3) submit the xml input and generate the errored condition again
- 4) change the debug level to 1 for OSS and OSS-XML and click submit
- 5) collect the debug log file of the day from /opt/weblogic directory.
The debug file is named in the format YYYY_MMM_DD_debug.log
For example: 2012_Apr_20_debug.log

6) Also attach the xml input file that was used.

The above will help to evaluate the issue. If any additional capture is required, zhong will contact for additional debugs/data.