###### L2 FlexE

Layer 2 FlexE is now supported in 10.6+ on the following devices: 5130, 5164, 5166 and 5168. When network devices are connected via L2 FlexE, client ports and flexE channels are connected to FDs via FPs. Conceptually, a FlexE channel becomes a “logical port” and uses a 10.x FD/FP L2 configuration method for DP connectivity.

L2 Cross Connect L2 Cross Connect



FlexE

ETTP

10GE

FlexE

ETTP

L2 FD

10G ETTP

L2 FD

10G ETTP

Figure (1): Device has GPS and PTP Inputs

Layer 2 FlexE Configuration

***Objective:***

The objective of this test is to configure a L2 FlexE channel.

***Procedure:***

* Configure a FlexE Group:

flexe-groups flexe-group group1 group-number 1

calendar-slot-granularity slot-5G phy-type flexe-phy-100GBASE-R calendar calendar-A

calendar-protocol-enable false

flexe-phys 3 local-interface flexe-port1

* Configure a FlexE channel (10G channel configured in this example):

flexe-channels flexe-channel channel-1 channel-number 512

group-name group1

channel-mapping L2-mapped calendar-A-slots-list 3 1

calendar-A-slots-list 3 2

calendar-B-slots-list 3 11

calendar-B-slots-list 3 12

* Create a mac termination point and a “FlexE” logical port:

oc-if:interfaces interface macEttp1 config name macEttp1 type ettp ettp-mode flexe-mac

oc-if:interfaces interface macEttp1 config name macEttp1 flexe-channel channel-1

logical-ports logical-port flexe\_lp\_1 binding macEttp1

* Create a forwarding domain and a flow point on the “FlexE” logical port.

fds fd fd\_vlan mode vpls

fps fp fp\_flexe\_lp\_1 classifier-list AnyTag classifier-list untagged stats-collection on

fd-name fd\_vlan

logical-port flexe\_lp\_1 mtu-size 9216

Test Case Results:

Passed: Yes No Verified by Date/Time Comments