

OSPF-TE Extensions for MLN/ MRN based on OTN

draft-rao-ccamp-mlnmrn-otn-ospfte-ext-03

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Outline

- Overview
- Changes from 02 to 03
- Next Steps

Overview

- This draft covers routing extensions for MLN/MRN (RFC 5212) based on OTN
- Extends IACD (RFC 6001) to include OTN layer identification
- Covers following interworking scenarios
 - OTN & Ethernet
 - OTN & FlexGrid
 - OTN & SONET/SDH
 - OTN & OTN

Changes from 02 to 03

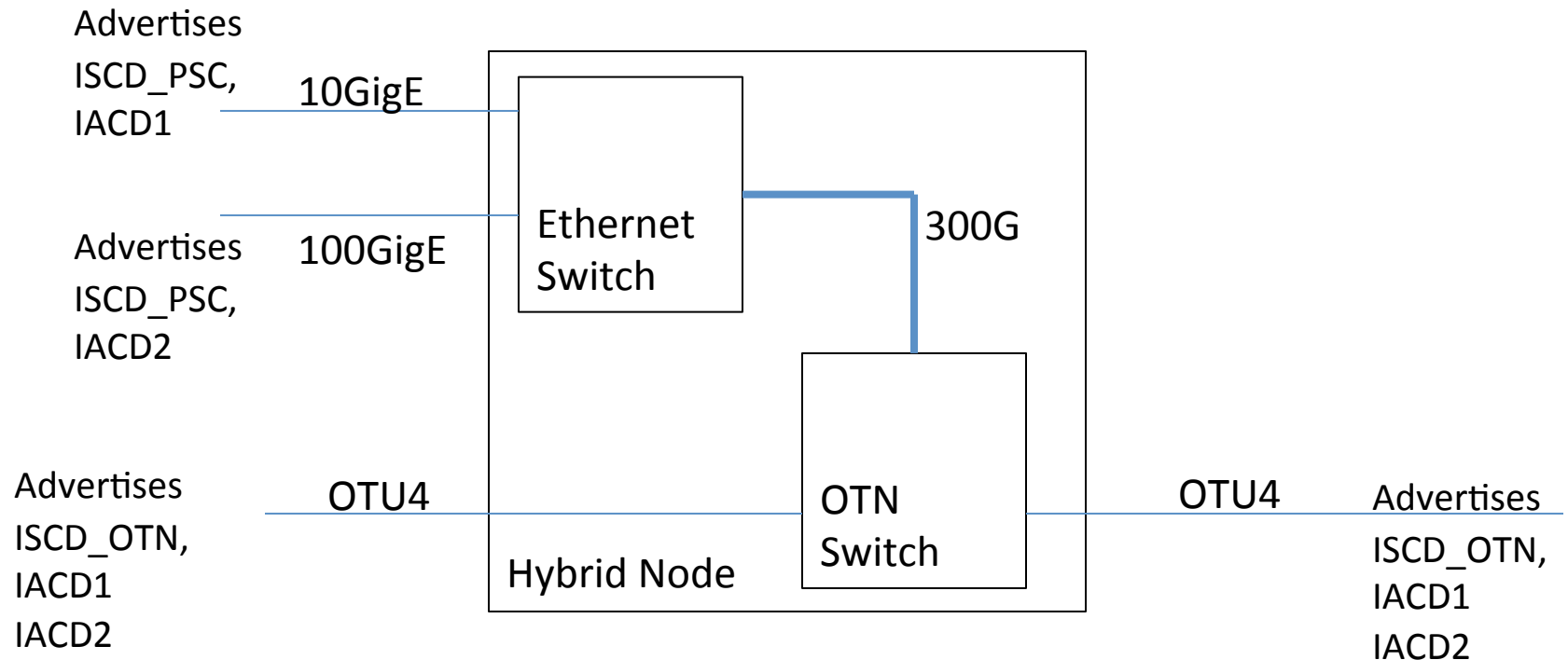
- Minor cleanups
- Section rearrangements
 - Contains interworking examples

Next Steps

- Would like to move the draft forward

Backup

Example



IACD1

Upper SwitchCap/EncTyp : PSC/Ethernet

Lower SwitchCap/EncType : OTN-TDM/G.709 ODUk

SCSI : **SignalType+Hierarchy** ODU2-ODU4 (For 10GigE)

IACD2

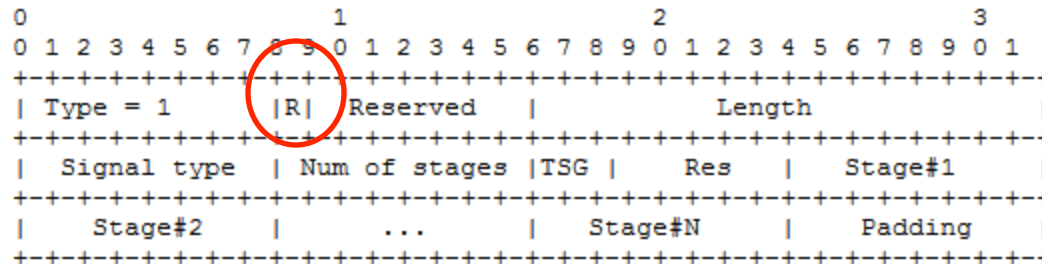
Upper SwitchCap/EncTyp : PSC/Ethernet

Lower SwitchCap/EncType : OTN-TDM/G.709 ODUk

SCSI : **SignalType+Hierarchy** ODU4(For 100GigE)

Changes from 01 to 02

- Layer ID TLV is modified to carry additional information to infer, if the Layer Identification belongs to upper region or lower region



R bit is used to make sense whether the Layer ID is for Lower region or upper region. 1 means upper region and 0 means lower.