

# OSPF-TE Extensions for MLNMRN based on OTN

draft-rao-ccamp-mlnmrn-otn-ospfte-ext-02

Rajan Rao ([rrao@infinera.com](mailto:rrao@infinera.com))

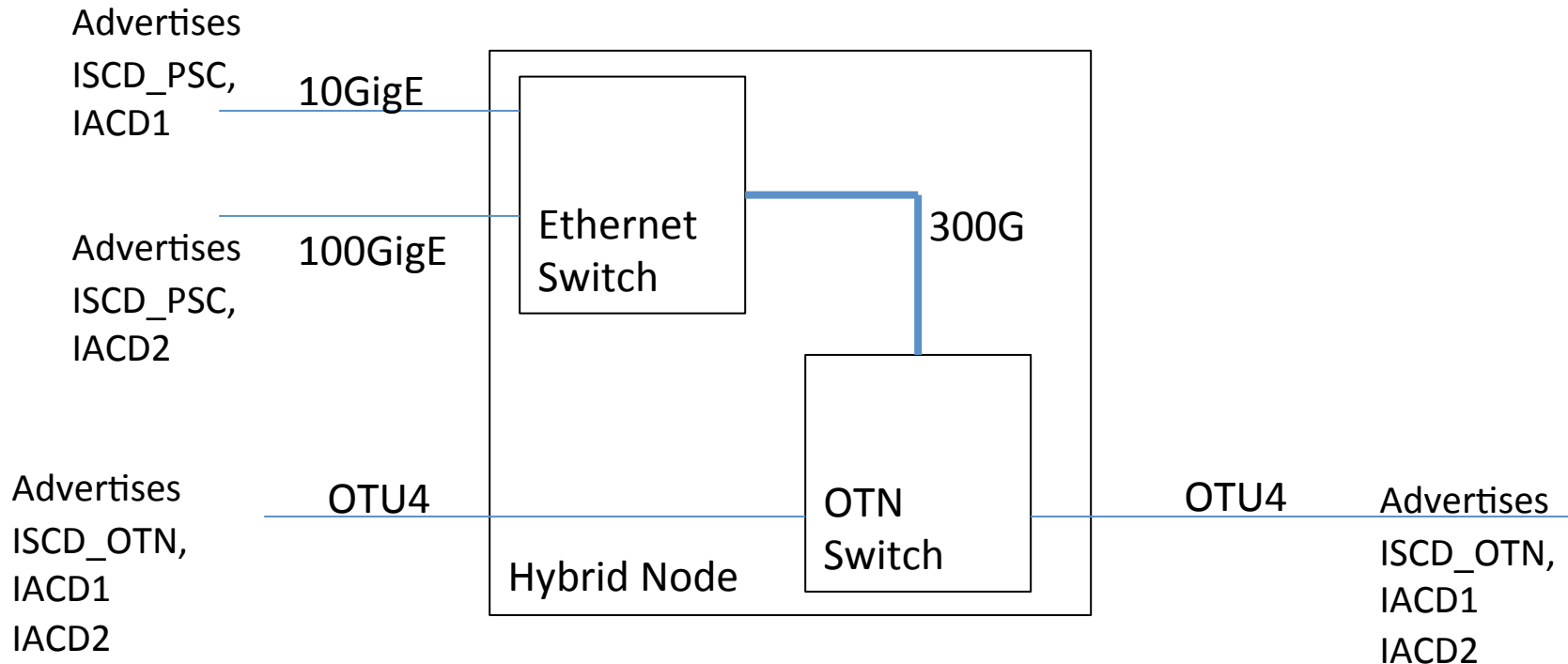
Khuzema Pithewan ([kpithewan@infinera.com](mailto:kpithewan@infinera.com))

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# Overview

- This draft focuses on the control plane interworking of OTN with other technologies.
- Specifically, identify what information is required to be advertised in OSPF, so as to compute a path that transitions from OTN to other technology namely Ethernet, SONET/SDH, or different multiplexing hierarchy of OTN

# Example



## **IACD1**

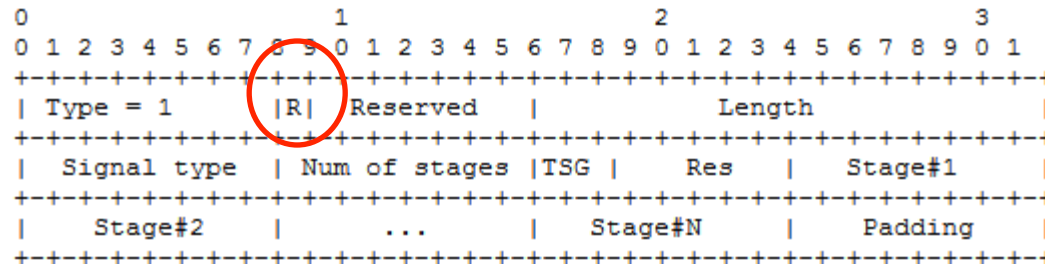
Upper SwitchCap/EncTyp : PSC/Ethernet  
Lower SwitchCap/EncType : OTN-TDM/G.709 ODUk  
SCSI : SignalType+Hierarchy ODU2-ODU4 (For 10GigE)

## **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 - 1

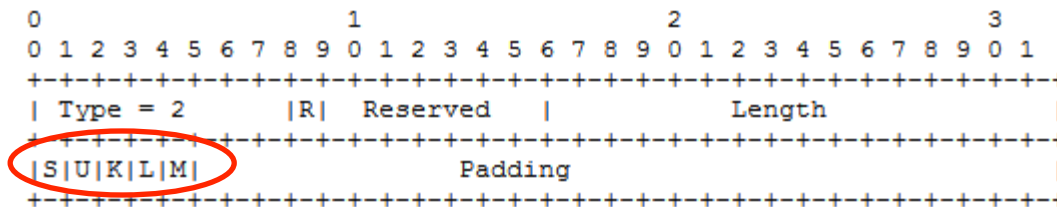
- Layer ID TLV is modified to carry additional information to infer, if the Layer Identification belongs to upper region or lower region



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.

# Changes from 01 to 02 - 2

- Added support for SONET/SDH layer Identification



SUKLM bits signifies the presence of SONET/SDH layers and these bits together fully specifies the multiplexing hierarchy.

# Next Steps

- Workgroup feedback is welcome