

# Lambda Priority of Service for WSON draft-mkattan-wson-pos-01

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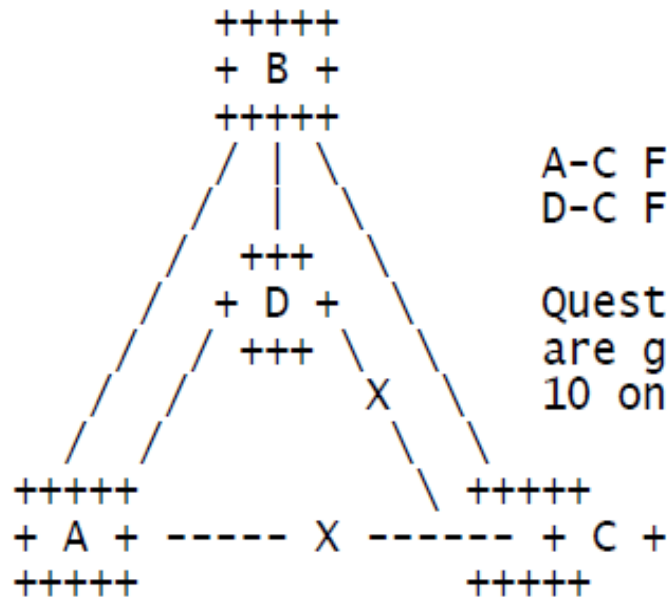
# Motivation

- The purpose of this draft is to provide additional properties for Lambdas in WSON meshed networks.
- Properties may serve to drive control plane behaviors in some typical WSON scenarios:
  - Wavelengths congestion under network failure.
  - Restoration
- Key enabler for new Service Level Agreement at DWDM layer.

# Possible Scenarios

- Congestions due to a restoration event:
  - In the event of single fiber cut, prioritize which wavelengths are to be restored first and last.
  - In the event of one or multiple fiber cuts coupled with a scenario of a congested fiber link, Lambda PoS will allow high priority lambdas to pass through first.
  - The same concept could be applicable for recovery and revertive scenarios.
- Drive network optimization criteria

# The case for Lambda Property in Mesh WSON DWDM



A-C Fiber has 30 wavelengths setup  
D-C Fiber has 20 Wavelengths setup

Question is which wavelengths out of the 50 are going to be restored (selection of 10 only)?

We have WL 1 to 30 setup between C-A,  
WL 1 to 20 setup between D-C

*and WL 1-30 already setup between B-C*



Comments?

THANK YOU!