

# Framework for DWDM interface Management and Control

draft-ietf-ccamp-dwdm-if-mng-ctrl-fwk-06

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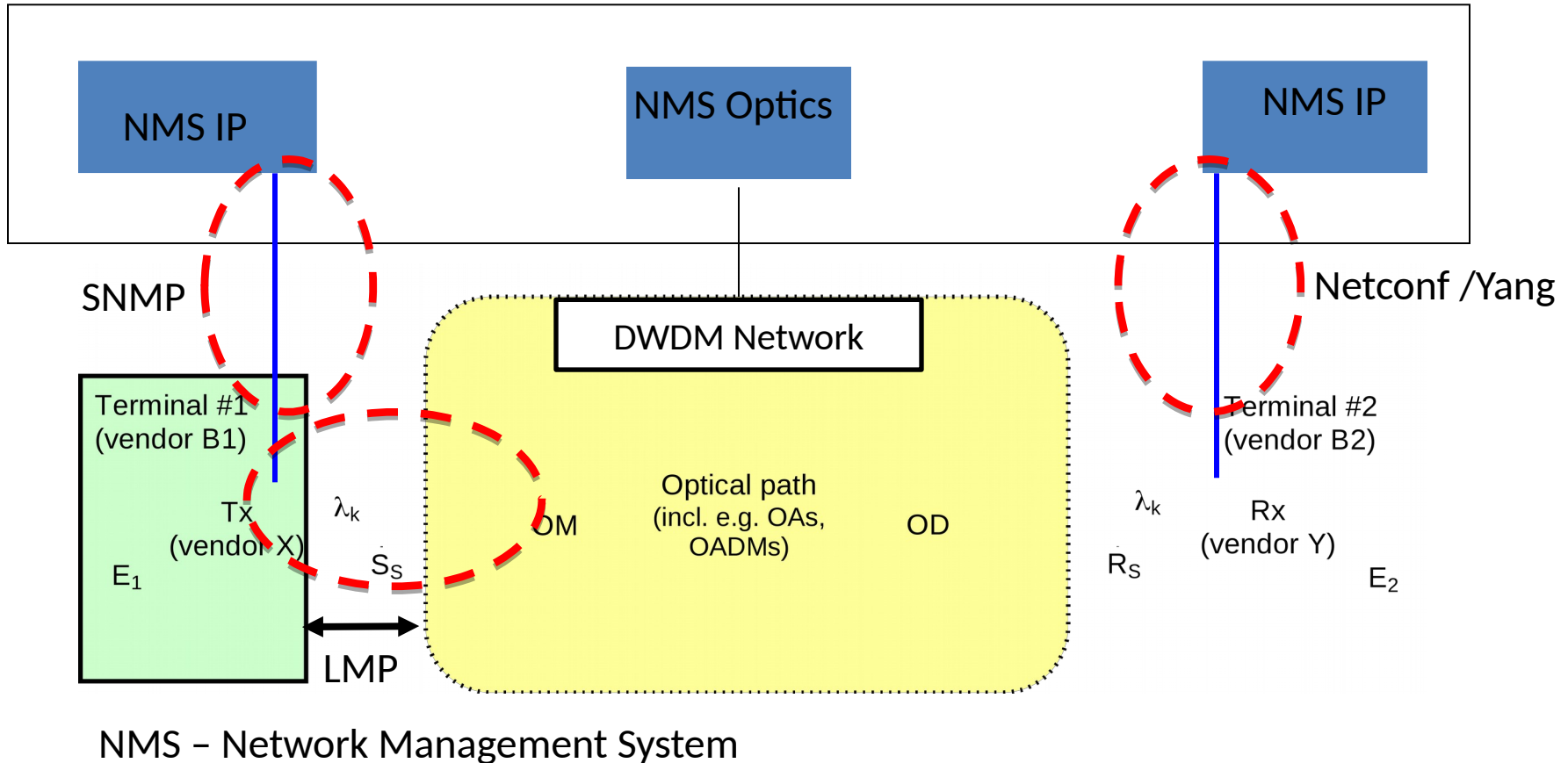
# Motivation

- The deployment of DWDM interfaces outside the DWDM network leads to the following issues:
  - Interfaces and DWDM equipment may be implemented by different vendors, so there is a need for a common parameter set
  - The network and the terminal equipment need at least to exchange interface characteristics, operational state and verify the connectivity quality.
- A multivendor packet-optical network requires a common network model to ensure an efficient operation and management of the network
- Deeper integration to achieve a higher degree of automation in network operation and a more efficient interworking between IP and DWDM layer

# Document Scope

- The document covers management and control/management plane aspects for single channel DWDM interfaces
- This document describes use cases and **requirements** for the control and management of single channel optical interfaces
- The purpose is to identify the necessary information elements and processes for the given architecture.
- The focus is on automating the network operation process irrespective on how it is triggered
- Guidance for the following drafts:
  - draft-dharinigert-ccamp-dwdm-if-imp
  - draft-dharini-ccamp-dwdm-if-param-yang

# Solution initially in scope.



# Modifications in version 06

- New co-author added ⇨ Julien Meuric, Orange
- New version of the document was submitted in July
- Document was updated twice since March
- Authors addressed the comments from the list
- Re-phrasing and error correction
- Improved readability

# Major Diffs in detail

- Introduction section updated
- Updated the figures to harmonize explaining text and figures
- Update the Control Plane Consideration section (section 4.2)
- Updated the Use Case section, main changes in section 5.1 Service Setup
- Updated the requirements section (removed the PRE-FEC BER requirement)

# Next steps

- Updating the reference section
- Authors think that the doc is ready for WG last call