

# Design and Implementation of Optical Transport Network Models with Path Computation

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*Abstract*— SDN (Software Defined Networking) controllers can manage various network services through abstraction of physical layer functionality. It can also be applied to optical transport networks. We already implemented T-SDN(Transport SDN) models and controllers especially in MPLS-TP(Multiprotocol Label Switching – Transport Profile) networks, based on OpenDaylight platform. Now, we need to expand another networks controlled by expanded T-SDN controllers. This paper proposes the expanded OTN(Optical Transport Network) models. With using proposed OTN models, we can make optical transport network services easily.

*Keywords*— Optical transport network, model, SDN



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