

THE VERIZON TELEPHONE COMPANIES

TARIFF F.C.C. NOs. 1, 11, 14 and 16

INTRODUCTION OF NETWORK MANAGEMENT METHODS

for

INTELLILIGHT® OPTICAL TRANSPORT SERVICE

DESCRIPTION

Transmittal No. 644

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## DESCRIPTION

The Verizon Telephone Companies (Verizon) are submitting tariff pages to introduce Customer Service Management Optional Feature (CSM) and Direct Transaction Language 1 (TL1) Monitoring Optional Feature (DTM), two new Network Management Methods for IntelliLight<sup>®</sup> Optical Transport Service (IOTS) in its Tariff F.C.C. Nos. 1, 11, 14 and 16. IOTS provides managed optical transport of multiple protocols that are transmitted over a single fiber optic pair. IOTS is configured in a diversely routed ring architecture or topology and can be arranged as either a full (closed) or partial ring (partial ring available in F.C.C. Nos. 1 and 11 only).

CSM will provide a customer with real-time information about the operational status of its IOTS network and the ability to reconfigure lower level services riding the ring. This access is accomplished through secure user partitioning so that each CSM customer is only allowed access to their own dedicated network.

DTM will provide a customer with near real-time information about the operational status of its IOTS network over a TL1 connection. A TL1 connection is a machine-to-machine communication language protocol. DTM enables direct, dedicated access to a firewall-protected box, which will interface with the network elements of a customer's IOTS network. A customer-specific partition is created through which two-way communications are established with capabilities to poll and retrieve messages, such as command alarms and performance messages. DTM will also allow access to ring inventory information that will enable the customer to maintain an inventory database that contains network element configurations and

customer usage records. The customer will have the ability to monitor its ring, as well as all the service channels riding the ring.

The attached tariff pages provide a detailed description of the revisions proposed in this filing.