Verizon
Mail Code HQE03B47
600 Hidden Ridge
Irving, TX 75038-3897

Short Term Public Notice of Network Change Under Rule 51.333(a)

IntelliLight® Flexible Optical Networking (IFON)
IntelliLight® Dedicated SONET Ring (IDSR) - Partial SONET Rings

April 4, 2003

Type of change:
This network disclosure is associated with Verizon's IntelliLight® Flexible Optical Networking service and changes to the IntelliLight® Dedicated SONET Ring service to include Partial SONET rings. This disclosure includes private line (point-to-point) Ethernet, Fast Ethernet, and Gigabit Ethernet (sub-rate and full rate) channels transported over Verizon's network infrastructure. The Ethernet channels can range from 10 Megabits per second to 1 Gigabit per second. Ethernet, Fast Ethernet, and Gigabit Ethernet data from customer equipment may be mapped into SONET tributaries using various Ethernet over SONET (EoS) mappings and vice versa. These SONET tributaries are in turn multiplexed onto and off of SONET transmission systems.

 Ethernet over SONET mappings include:
   Ethernet (ANSI/IEEE Std 802.3) mapped into STS-1 using GFP framing according to ITU-T
   G.7041 or PPP/HDLC-type framing according to IETF RFC 2615;

   Fast Ethernet (ANSI/IEEE Std 802.3u) mapped into STS-1-2v using GFP framing according
   to ITU-T G.7041 and virtual concatenation according to ITU-T G.707;

   Fast Ethernet mapped into STS-3c using GFP framing according to ITU-T G.7041 or
   PPP/HDLC-type framing according to IETF RFC 2615;

   Sub-rate (50 Mb/s) Gigabit Ethernet (ANSI/IEEE Std 802.3z) mapped into STS-1 using
   PPP/HDLC-type framing according to IETF RFC 2615;

   Sub-rate (150 Mb/s) Gigabit Ethernet (ANSI/IEEE Std 802.3z) mapped into STS-3c using
   PPP/HDLC-type framing according to IETF RFC 2615;

   Sub-rate (300 Mb/s) Gigabit Ethernet (ANSI/IEEE Std 802.3z) mapped into STS-6c using
   PPP/HDLC-type framing according to IETF RFC 2615;

Sub-rate (450 Mb/s) Gigabit Ethernet (ANSI/IEEE Std 802.3z) mapped into STS-9c using PPP/HDLC-type framing according to IETF RFC 2615;

Sub-rate (600 Mb/s) Gigabit Ethernet (ANSI/IEEE Std 802.3z) mapped into STS-12c using GFP framing according to ITU-T 7041 or PPP/HDLC-type framing according to IETF RFC 2615;

Sub-rate (600 Mb/s) Gigabit Ethernet mapped into STS-1-12v using GFP framing according to ITU-T 7041 and virtual concatenation according to ITU-T G.707;

Sub rate (600 Mb/s) Gigabit Ethernet mapped into STS-3c-4v using virtual concatenation according to ITU-T G.707 and GFP framing according to ITU-T 7041 or PPP/HDLC-type framing according to IETF RFC 2615;

Gigabit Ethernet (ANSI/IEEE Std 802.3z) mapped into STS-1-21v using GFP framing according to ITU-T 7041 and virtual concatenation according to ITU-T G.707;

Gigabit Ethernet mapped into STS-3c-8v using PPP/HDLC-type framing according to IETF RFC 2615;

Gigabit Ethernet mapped into STS-24c using PPP/HDLC-type framing according to IETF RFC 2615.

These services will conform to the following technical references:

Telcordia Technologies:
Synchronous Optical Network (SONET) Transport Systems: Common Generic Criteria, GR-253-CORE, Issue 3, September 2000.

American National Standards Institute (ANSI):
Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications, ANSI/IEEE Standard 802.3, 1998 Edition.

International Telecommunications Union (ITU):
Network Node Interface for the Synchronous Digital Hierarchy, ITU-T Recommendation G.707, October 2000.

Generic Framing Procedure (GFP), ITU-T Recommendation G.7041, October 2001.

Internet Engineering Task Force (IETF):
PPP over SONET/SDH, IETF Network Working Group, RFC 2615, June 1999.

To obtain documents contact:

Telcordia Customer Service
8 Corporate Place, Room 3A184
Piscataway, NJ 08854-4156
1-800-521-CORE (USA and Canada)
908-699-5800 (all others)
http://www.Telcordia.com

American National Standard Institute (ANSI)
Customer Service
11 West 42nd Street
New York, NY 10036
212-642-4900
http://www.ANSI.org

IEEE Publications Office
10662 Los Vaqueros Circle
P. O. Box 3014
Los Alamitos, CA 90720-1264
1-800-272-6657
http://www.ieee.org

International Télécommunications Union
Place des Nations
CH-1211 Geneva 20
Switzerland
Telephone: +44 22 730 6141
Fax: +41 22 730 5194
http://www.itu.int/publibase/itu-t/ItutAllBySeries.asp?serie=G

Internet Engineering Task Force (IETF)
IETF "Request for Comments" web site
http://www.ietf.cnri.reston.va.us/rfc.html

IFON & IDSR network elements:
In support of IFON and Partial Ring IDSR services, Verizon may use the following network elements:

LucentTechnologies Metropolis® DMX series products
Fujitsu Network Communications FLASHWAVE 4000 series
Nortel Networks OPTera Metro 3000 series
Cisco Systems ONS 15454

References to technical specifications:

Lucent Technologies: "Metropolis® DMX User Operations Guide," Document # 365-372-301, R3.1 Issue 7, February 2003 (or subsequent version).
To obtain document contact:
    Robert Goudreault
    Lucent Technologies Account Executive
    1600 Osgood Street
    North Andover, MA 01845
    978-960-4316
    rgoudreault@lucent.com

Fujitsu: "Ethernet Over SONET Service Feature Requirements Specification," Document # PDD-6979, Rev 1 (or subsequent version).
To obtain document contact:
    Senior Director Contracts Management
    Fujitsu Network Communications
    2801 Telecom Parkway
    Richardson, TX 75082
    800-777-FAST (3278)

Nortel Networks: "OPTera Metro 3500 Multiservice Platform - Release 11 Planning and Ordering Guide," Document ID NTRN10AL, Preliminary Issue 1, March 2003 (or subsequent version); "OPTera Metro 3300/3400 Multiservice Platform - Release 11.1 Planning and Ordering Guide," Document ID NTRN11AL, Preliminary Issue 1, March 2003 (or subsequent version); "OPTera Packet Edge System - Planning Guide for the OPTera Metro 3000 Series," Document ID NTRN10YH, Standard Release 2.2, Issue 1.0, June 2002 (or subsequent version).
Documents can be accessed at http://www.nortelnetworks.com or contact:
    Allan Phillips
    Nortel Networks Emerging Optical Opportunities
    600 Technology Park Drive
    Billerica, MA 01821
    770-708-7389
    allanp@nortelnetworks.com

Cisco Systems: "Cisco ONS 15454 Reference Manual," Release 4.0, Document Number DOC-7815242, Text Part Number 78-15242-01 (or subsequent version).
Document is available at the following URL:
http://www.cisco.com/univercd/cc/td/doc/product/ong/15400/index.htm or contact:
    Brent Foster
    Cisco Systems, Inc.
    2200 East President George Bush Turnpike
    Richardson, TX 75082
    (469) 255-0238
    brfoster@cisco.com

Short Term Public Notice of Network Change
IntelliLight® Flexible Optical Networking (IFON)
IntelliLight® Dedicated SONET Ring (IDSR) - Partial SONET Rings
April 4, 2003
Page 5

Dates changes are to occur:
The IFON product offering is planned for an April 2003 introduction. The Partial Ring IDSR product offering is scheduled for 3Q 2003, with possible trials prior to that date. To confirm the scheduled deployment dates, contact the Product Line Managers listed below.

Location changes are to occur:
IFON and Partial Ring IDSR services will be available in the FCC tariffs throughout the Verizon region where suitable facilities and capacities are available.

Impact of changes:
Currently, a number of standards apply to Ethernet over SONET mappings, as addressed above. To interoperate, network elements on both ends of the network must implement the same mappings.

Verizon Contact:
For more specific information regarding geographic availability, pricing, or technical information, contact:

Mr. Douglas S. Morgan   Mr. Lawrence O'Neill
IFON Product Line Manager   IDSR Product Line Manager
700 Hidden Ridge   500 Summit Lake Drive
Irving, TX 75038   Valhalla, NY 10595
972-719-7422   914-741-7186