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:**

**American National Standards Institute (ANSI):**

**International Telecommunications Union (ITU):**


**Internet Engineering Task Force (IETF):**
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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:

Lucent Technologies Metropolis® DMX series products
Fujitsu Network Communications FLASHWAVE 4000 series
Nortel Networks OPTera Metro 3000 series
Cisco Systems ONS 15454
References to technical specifications:

To obtain document contact:
Robert Goudreault
Lucent Technologies Account Executive
1600 Osgood Street
North Andover, MA 01845
978-960-4316
rgoudreault@lucent.com

To obtain document contact:
Senior Director Contracts Management
Fujitsu Network Communications
2801 Telecom Parkway
Richardson, TX 75082
800-777-FAST (3278)

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

Document is available at the following URL:
http://www.cisco.com/univercd/cc/td/doc/product/ong/15400/index.htm or contact:
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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:

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