

## ACCESS SERVICE

23. NYNEX Enterprise Service Fiber Distributed Data Interface23.1 General

NYNEX Enterprise Service Fiber Distributed Data Interface (NES FDDI) provides 100 Mbps data transmission speed over fiber optic facilities between customer owned Local Area Networks (LANs).

Effective November 3, 2000, NES FDDI is no longer available to new subscribers.

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23.2 Service Description

NES FDDI is provided on single mode fiber optic facilities at a digital speed of 100 Mbps. NES FDDI is provided in conformance with American National Standards Institute (ANSI) Standards (X3T9.5). Customer designated premises are connected through one or more NES FDDI Hubs. Customer Premises Equipment (CPE) must conform to the foregoing FDDI standards.

NES FDDI is a dedicated service which will be designed to meet each customer's specific requirements. The Telephone Company will work cooperatively with the customer to determine the location and number of Hubs required to provide the desired NES FDDI Service configuration, based on facility availability and signal regeneration requirements.

NES FDDI, and when applicable, optional features, are provided where suitable fiber optic facilities exist between a customer designated premises and a NES FDDI Hub and between NES FDDI Hubs. Where suitable fiber optic facilities do not exist, subject to the provisions of 2.1.4 Provision of Services, and 5.1.3 Special Construction preceding, NES FDDI Service will be provided within one year from receiving a customer's request for service or, in the case of special construction, within one year from the date the special construction agreement is signed by the customer.

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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)23.3 Technical Specifications

Technical equipment requirement, compatibility requirements, technical specifications, features and functions, and performance parameters for NES FDDI are contained in:

- ANSI X3.139, ANSI X3.148, ANSI X3.166 and ANSI X3.184.
- ANTC FDDI SMT Test Suite, ANTC FDDI MAC Test Suite, ANTC FDDI PHY Test Suite and ANTC FDDI PMD Test Suite.

23.4 Channel Interfaces

The compatible network channel interface (NCI) and network channel (NC) codes for NES FDDI:

<u>NC</u>	<u>NCI</u>
HM	02FCF10

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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)23.5 Optional Features and Functions

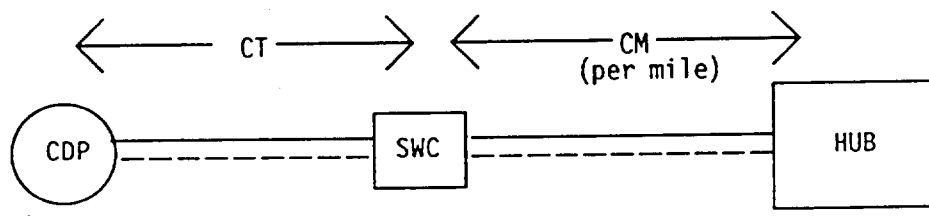
NES FDDI Service may be provided with the following optional features and functions.

23.5.1 Loop Diversity

Loop Diversity is an optional feature in which an additional NES FDDI Channel Termination is provided over different loop facilities on the same route using the same entrance facilities between the customer designated premises and the same NES FDDI Hub as the primary NES FDDI Channel Termination. Both loop facilities are connected to the same concentrator but different modules in the NES FDDI Hub.

The NES FDDI Channel Termination, and when applicable Channel Mileage, monthly rates apply for each Loop Diversity channel termination provided between the customer designated premises and the same NES FDDI Hub as the primary NES FDDI Channel Termination. In addition, a monthly rate applies for the Loop Diversity Channel Termination.

Example: NES FDDI connecting a customer designated premises and a NES FDDI Hub with the Loop Diversity Optional Feature.



\_\_\_\_\_ Normal FDDI Channel Termination

- - - - Loop Diversity Channel Termination

CDP = Customer Designated Premises

CT = Channel Termination

CM = Channel Mileage

SWC = Serving Wire Center

Applicable Rate Elements are:

- Channel Termination (2 applicable)
- Channel Mileage (2 sections)
- Loop Diversity Optional Feature (1 applicable)

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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)23.5 Optional Features and Functions (Cont'd)23.5.2 Route Diversity

Route Diversity is an optional feature in which an additional NES FDDI Channel Termination is provided on a different route using different entrance facilities between the same customer designated premises and the same NES FDDI Hub as the primary NES FDDI Channel Termination or between the same customer designated premises as the primary NES FDDI Channel Termination and a different NES FDDI Hub. The alternate route may be provided through a wire center other than the wire center that normally serves the customer premises. The wire center associated with the alternate route will be specified by the Telephone Company. The mileage used to determine the channel mileage rate for the Route Diversity channel termination is based on the wire center to which the Route Diversity is ordered.

The NES FDDI Channel Termination, and when applicable Channel Mileage, monthly rates apply for each diversely routed channel termination provided between the same customer designated premises and the same NES FDDI Hub as the primary NES FDDI Channel Termination or between the same customer designated premises as the primary NES FDDI Channel Termination and a different NES FDDI Hub. In addition a monthly rate applies for the Route Diversity channel termination.

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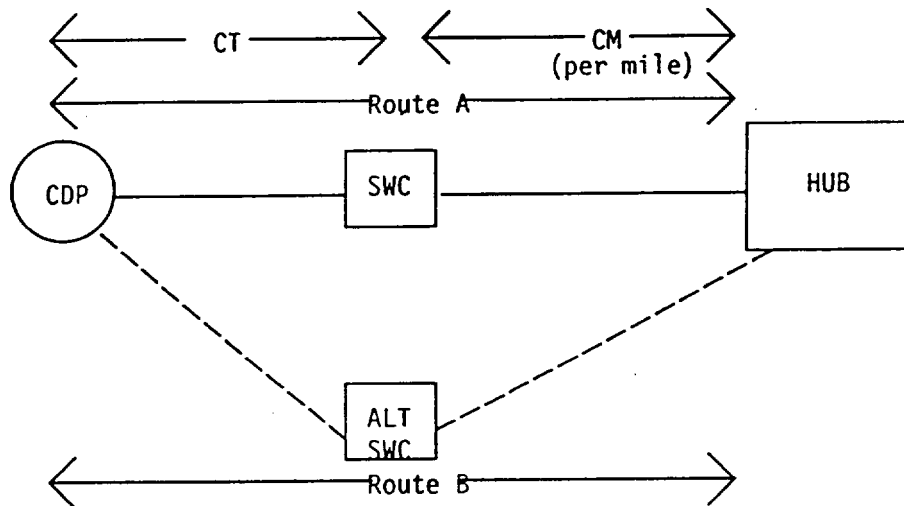
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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)23.5 Optional Features and Functions (Cont'd)23.5.2 Route Diversity (Cont'd)

Example: NES FDDI connecting a customer designated premises and a NES FDDI Hub with the Route Diversity Optional Feature.



\_\_\_\_\_ Normal FDDI Channel Termination (Route A)

- - - - Route Diversity Channel Termination (Route B)

CDP = Customer Designated Premises  
CT = Channel Termination  
CM = Channel Mileage\*  
SWC = Serving Wire Center  
ALT SWC = Alternate Serving Wire Center

Applicable Rate Elements are:

- Channel Termination (2 applicable)
- Channel Mileage (2 sections)
- Loop Diversity Optional Feature (1 applicable)

\* The Channel Mileage for Route A is calculated between the normal serving wire center and the NES FDDI Hub. The Channel Mileage for Route B is calculated between the alternate serving wire center and the NES FDDI Hub.

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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)23.6 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply to NES FDDI Service.

The basic rate elements which apply to NES FDDI Service include:

- Channel Termination (described in 23.6.1).
- Channel Mileage (described in 23.6.2).
- Optional Features and Functions (described in 23.6.3).

23.6.1 Channel Termination

Monthly rates apply for the communications path between a customer designated premises and the serving wire center of that premises.

If the serving wire center of the customer premises is not a NES FDDI Hub, channel mileage will apply between the serving wire center associated with the customer designated premises and the NES FDDI Hub as set forth in Section 23.6.2 following.

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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)23.6 Rate Regulations (Cont'd)23.6.2 Channel Mileage

Monthly rates apply for the transmission facilities between NES FDDI Hubs. A single Channel Mileage rate element (i.e., fixed and per mile) applies between each of the NES FDDI Hubs at which one or more Channel Terminations may be connected. A fixed Channel Mileage rate element will apply when the serving wire center of the customer designated premises and the NES FDDI Hub are located in the same building.

The customer has the option of Single Connection or Protected Connection Channel Mileage between NES FDDI Hubs.

Single Connection Channel Mileage provides a single pair of fiber optic facilities between the NES FDDI Hubs.

Protected Connection Channel Mileage provides two pairs of fiber optic facilities (i.e., active and standby) which are provided on two different cables and are routed on two different routes. In the event the active fiber optic facility fails, the NES FDDI Hub will automatically transfer the data to the alternate facility insuring continuous delivery of the data.

In addition, a per mile monthly Channel Mileage rate applies to connect the serving wire center of the customer designated premises to the NES FDDI Hub when the serving wire center of the customer's designated premises is not located in the same building.

The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., a serving wire center associated with a customer designated premises and a NES FDDI Hub or two NES FDDI Hubs. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, then apply the rate shown. When the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates.

23.6.3 Optional Features and Functions

Monthly rates apply for the Loop Diversity and Route Diversity Optional Features. In addition, the NES FDDI Channel Termination, and when applicable, Channel Mileage, monthly rates and charges will apply for the Loop Diversity and Route Diversity Optional Features.

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23. NYNEX Enterprise Service Fiber Distributed Data Interface (Cont'd)

23.7 Minimum Period

The minimum period for NES FDDI Service is one year.

23.8 Rates and Charges

Rates and charges for NES FDDI Service are set forth in Section 31.23 following.

23.9 Service Discount Plan

At the option of the customer, NES FDDI Service may be provided under a Service Discount Plan as specified in Section 7.4.10 preceding.

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