

PSC NY No. 10--COMMUNICATIONS

Verizon New York Inc.

Section 5
Original Page 41.1NETWORK ELEMENTS5. Unbundled Network Elements (Cont'd)5.5 Links (Local Loops) (Cont'd)5.5.1 General (Cont'd)5.5.1.1 Types of Links (Cont'd)(C) Four-Wire Links (Cont'd)(2) Regulations (Cont'd)(m) Four Wire Analog Loop with Customer Specified Signaling (Cont'd)

Loop-start (LS) signaling is a type of switch line signaling in which the network provides a battery source. To initiate a call, end user premises equipment provides a loop closure that causes DC loop current to flow, which the network detects.

Ground-start signaling is a type of signaling in which one side of the 2-wire loop is momentarily grounded to instantaneously obtain dial tone. Ground-start signaling is often used with PBXs.

Loop reverse-battery signaling is a type of switch line DC signaling that uses loop-open and loop-closure signals to indicate on-hook and off-hook signals in one direction, and normal battery polarity and reverse battery polarity to indicate on-hook and off-hook signals in the other direction. The end of the service that generates loop-open and loop-closure signals is called the originating end, and the other end which generates the normal-battery polarity and reverse-battery polarity signals is called the terminating end.

Duplex signaling is a type of DC signaling that employs symmetrical and balanced signaling equipment at each end of the loop. One simplex conductor of the 4-wire loop is used for signaling and the other simplex conductor is used for ground potential compensation.

(N)

(N)

Issued in compliance with Order of the Public Service Commission, dated January 28, 2002 in Case No. 98-C-1357.

See PREFACE Item 25 for Statement of Company's Reservation of Objections.

Issued: February 19, 2002

Effective: March 1, 2002

By Sandra Dilorio Thorn, General Counsel
1095 Avenue of the Americas, New York, N.Y. 10036