



ABSTRACT

CENTRAL OFFICE FOR A FULL DIGITAL LOOP

5 In a full digital loop, telephone signals are digitised and in-band transferred, simultaneously with digital data. In case of emergency, e.g. a power supply interruption at the customer premises (ADSL_NT), a telephone life-line (S3, S2, S1, LT POTS TERMINATION) survives. This telephone life-line (S3, S2, S1, LT POTS TERMINATION) by-passes the digital modems (NT ADSL MODEM, LT ADSL
10 MODEM) at the customer premises (ADSL_NT) and central office (ADSL_LT), and consists in the central office (ADSL_LT) of a telephone signal line termination (LT POTS TERMINATION) not comprising a ringing signal generator. Thus, only calls from the customer premises (ADSL_NT) to the central office (ADSL_LT) can be made in emergency situations.

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