

AARP

AppleTalk Address Resolution Protocol. Protocol in the AppleTalk protocol stack that maps a data-link address to a network address.

AARP probe packets

Packets transmitted by AARP that determine if a randomly selected node ID is being used by another node in a nonextended AppleTalk network. If the node ID is not being used, the sending node uses that node ID. If the node ID is being used, the sending node chooses a different ID and sends

AccessPro PC card

Multiprotocol router card from Cisco that can be installed in an IBM-compatible PC equipped with an ISA or EISA bus. This series of PC-compatible router cards is based on Cisco 2500 series technology. Provides scalable wide-area connectivity and flexible full-function routing support. AccessPro PC cards run autonomously using only their own processing power, thus offering routing capabilities without impacting existing applications.

access server

ANSI

American National Standards Institute. Voluntary organization

bisync

See *BSC*.

bit

Binary digit used in the binary numbering system. Can be 0 or 1.

BNN



C

Term

Definition

CLC	cell line card. Card on the LightStream 2020 ATM switch that, in conjunction with an access card, supports up to two OC-3c edge ports or one OC-3c trunk port. A CLC can be configured as an edge card or a trunk card.
Clear To Send	See <i>CTS</i> .
CLI	Command-line interface. The command-line interface on the LightStream 2020 that runs on NPs and Sun SPARCstations and is used to monitor and control an ATM network.
client	Node or software program (front-end device) that requests services from a server. See also <i>back end, front end</i>

CPE

customer premises equipment. Terminating equipment, such

D

Defense Advanced Research Projects

DS-3

digital signal level 3. Framing specification used for transmitting digital signals at 44.736-Mbps on a T3 facility. Compare with *DS-0* and *DS-1*. See also *E3* and *T3*.

forward delay interval	Amount of time an interface spends listening for topology change information after that interface has been activated for bridging and before forwarding actually begins.
forward explicit congestion notification	See <i>FECN</i> .
forwarding	Process of sending a frame toward its ultimate destination by way of an internetworking device.
forwarding priority	See <i>transmit priority</i>

H

Term

Definition

IDPR

Interdomain Policy Routing. Interdomain routing protocol that dynamically exchanges policies between autonomous systems. IDPR encapsulates interautonomous system traffic and routes it according to the policies of each autonomous system along the path. IDPR is currently an IETF proposal. See also *policy routing*.

IDRP

isochronous transmission

Asynchronous transmission over a synchronous data link. Isochronous signals require a constant bit rate for reliable transport. Compare with *asynchronous transmission*, *plesiochronous transmission*, and *synchronous transmission*.

light emitting diode	See <i>LED</i> .
limited resource link	Resource defined by a device operator to remain active only when being used.
limited-route explorer packet	See <i>spanning explorer packet</i> .

link	Network communications channel consisting of a circuit or transmission path and all related equipment between a sender and a receiver. Most often used to refer to a WAN connection. Sometimes referred to as a <i>line</i> or a <i>transmission link</i> .
Link Access Procedure, Balanced	See <i>LAPB</i> .
Link Access Procedure for Modems	See <i>LAPM</i> .
Link Access Procedure on the D channel	See <i>LAPD</i> .
link layer	See <i>data link layer</i> .
link-layer address	See <i>MAC address</i> .
link-state advertisement	See <i>LSA</i> .
link-state packet	See <i>LSA</i> .

link state routing algorithm

LM/X

LAN Manager for UNIX. Monitors LAN devices in UNIX

LSP

MCA

MIB collection

N

Term	Definition
Nagle's algorithm	Actually two separate congestion control algorithms that can be used in TCP-based networks. One algorithm reduces the sending window; the other limits small datagrams. N

NEARNET

Regional network in New England (United States) that links

NP card

network processor card. Main computational and storage

path control layer

Layer 3 in the SNA architectural model. This layer performs

physical layer

Layer 1 of the OSI reference model. The physical layer defines the electrical, mechanical, procedural and functional

PTT

Post, Telephone, and Telegraph. Government agency that provides telephone services. PTTs exist in most areas outside North America and provide both local and long-distance telephone services.

PU

physical unit. SNA component that manages and monitors the resource requested by a user. (See SSCP and T-17.6 for more information.)

PU2U sic

that a user can only be able to connect to a LU in a SNA network.

reliability

Ratio of expected to received keepalives from a link. If the ratio is high, the line is reliable. Used as a routing metric.

RFC

S

Term	Definition
SAC	single-attached concentrator. FDDI or CDDI concentrator that connects to the network by being cascaded from the master port of another FDDI or CDDI concentrator.

SCTE

serial clock transmit external. Timing signal that DTE echoes to

service access point	See <i>SAP</i> .
Service Advertisement Protocol	See <i>SAP</i> .

show ip interface

Command that displays the status and global parameters

single-attached concentrator	See <i>SAC</i> .
single attachment station	See <i>SAS</i> .
single-mode fiber	Fiber-optic cabling with a narrow core that allows light to enter only at a single angle. Such cabling has higher bandwidth than multimode fiber, but requires a light source with a narrow spectral width (for example, a laser). Also called <i>monomode fiber</i> . See also <i>multimode fiber</i> .
single-route explorer packet	See <i>spanning explorer packet</i> .
single-vendor network	Network using equipment from only one vendor. Single-vendor

THEnet

traffic policing

Transport Protocol Class 0

See *TP0*.

See *TP4*.

User Datagram Protocol

See *UDP*.

X

Term

Defi

Z

Term

Definition

10Broad36

