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NEWTUN'S TELECOM DICTIONARY

The Official Dictionary of Telecommunications & the Internet

15th Updated, Expanded and Much Improved Edition

Ex. 3001

NEWTON'S TELECOM DICTIONARY

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not residing on the fabric (switch) side of the link. It attach-as ban Port (Node Port) at the connected device, across a See Fibre Channel.

Type Connector A low cost connector used by the TV nostry to connect coaxial cable to equipment. See also F-Fire Connector (which is the same thing, except spelled with

I/A 1, Fault alarm. 2 Foreign administration.

FACCH Fast-Broadcast Control CHannel. A logical channel ement of the BCCH signaling and control channel used in gilal cellular networks employing TDMA (Time Division untiple Access), as defined by IS-136. See also BCCH, IS-136 and TDMA.

I-Block Carrier A 10 MHz PCS carrier serving a Basic rading Area in the frequency block `890 - 1895 MHz paired 1970 - 1975 MHz.

Fixed End System

Hypo Connector These are used to terminate coaxial This connector is mostly used for video applications. is a male single-conductor connector and screws into the

127 Face to Face. When you actually meet someone with from you have been corresponding electronically, perhaps bough a chat room over the Internet. F2F often is quite a suras your "pen pal" may not be anything like he said he F2F also can be very dangerous. Never, ever meet some-F2F unless you have a companion with you and you meet ha well-lit public place. Never, ever give the other person pur real name, address or telephone number until you have Mim F2F and are confident that he is who he says he is. your children to never, never, ever agree to meet someone W unless you approve in advance and you are with them at meeting. This is a very, very dangerous world full of very, dangerous people who prey on the unsuspecting. Factory that makes ("fabricates") IC chips.

Isbric 1. A descriptive term referring to the physical strucof a switch or network. Much like a piece of cloth, phys-[2] logical communications channels (threads) are interwofrom port-to-port (end-to-end). Ideally, data are transhrough this switch or network on a seamless basis. In Mand Fibre Channel, the switching fabric generally is nonoxing, or virtually so, from port-to-port. In the Internet, works its way through a complex, and even unpreble, interwoven network of networks comprising transsson facilities, packet switches and multiple carriers.

Luttple Fibre Channel switches interconnected and using Channel methodology for linking nodes and routing in a Fibre Channel network. See Fibre Channel.

anything and everything. Io me it sounds like toilets. But it's not. It can mean the equipment and services which make up a telecom system. It can mean offices, factories, and/or building. It can be anywhere you choose to put telecom things. Oops, I nearly said telecom facilities. So "facilities" means practically anything you want it to mean so long as it covers a sufficiently broad variety of "things" which you haven't got a convenient name for. "Facilities" sounds better than things, especially if you want to sound pompous.

Facilities Administration And Control A PBX feature which allows you, the subscriber, to assign to your users features and privileges like authorization codes, restriction

levels and calling privileges.

Facilities Assurance Reports This feature allows a subscriber to get an audit trail of the referrals produced by the automatic circuit assurance feature of some PBXs. The audit trail will identify the trunk circuit, the time of referral, the nature of the problem and if a test was performed, the outcome of the test.

Facilities Based Carrier A carrier which owns most of its own facilities (i.e., stuff), such as switching equipment and transmission lines.

Facilities based end to end.

There are three benefits to being a facilities based carrier Cheap, roll out new features fast, network integrity.

facililties based end to end

ILECs (Incumbent Local Exchange Carriers) such as Bell Atlantic, BellSouth, Citizens Communications, GTE and SBC fit this definition. Incumbent IXCs (IntereXchange Carriers) such as AT&T, MCI Worldcom and Sprint also fit this definition. The major facilities-based IXCs have switching offices, or POPs (Points OF Presence) in all service areas of the country and provide both originating and terminating service nationwide. Major facilities-based carriers sell their services to business and residential users and to other carriers which resell those services. Non facilities-based long distance carriers are known as switchless resellers. To be recognized as a CLEC (Competitive Local Exchange Carrier) by most local regulatory authorities and to receive reciprocal compensation from the local ILEC, you must, at minimum, own a central office switch; thus you must be a facilities based carrier. There's probably not one single carrier — local, long distance or international — in the entire North America that is 100% facilities based these days. Everyone seems to be renting some facilities — usually lines — from someone else. The most facilities based would be the ILECs. The least facilities based would be the CLECs (Competitive LECs). They tend to resell local loops from the local ILEC which they terminate in their switching centers. See also CLEC, ILEC, IXC and POP.

good way of relating all the files together in one giganlic base management system (DBMS).

tionship Routing A concept introduced by autocall distributor manufacturer, Aspect ommunications, to have callers' calls routed to agents and previously developed

rative Transmission Level The ratio of the test tope r at one point to the test tone power at some other point system chosen as a reference point.

whive URL The Internet address of a page or other World Web resource with respect to the Internet address of the internet address of the page. A relative URL gives the path from the current on of the page to the location of the destination page or rea. A relative URL can optionally include a protocol. For other, the relative URL doc/harry.htm refers to the page of the internet directory.

y An electrically activated switch used to operate a circonnects one set of wires to another. Usually, the relay rated by low voltage electric current and is used to open se another circuit, which is of much higher voltage, telephone switches used many relays to switch (i.e. etc) their calls. Relays come in many forms. There are tically-sealed relays, in which thin metal contacts are in an airtight glass or metal enclosure. There are also y relays in which a small tube of mercury tilts and stes or breaks a circuit. See also REED RELAY.

r Rack Open iron work designed to mount and support nic equipment. A relay rack is to electronic equipment distribution frame is to wire. See Distribution Frame. rer Allows a user to open or close a solenoid via the system.

ing A function of a layer by means of which a layer sceives data from a corresponding entity and transmits other corresponding entity.

se 1. A call comes into a switchboard. The operator out to tell you it's for you. Then he/she "releases" the you. On most switchboards there's a button labelled That's the release button. On some phones (not conhe release button is the "hang-up" button. Hitting this means disconnecting the call. Be careful.

anding of an inbound ACD call by hanging up.

sature key on most ACD instruments labelled Release.

n used in the secondary telecom equipment business nquishing of a piece of equipment to a purchaser or on fulfillment or anticipated fulfillment of contractual ons, whether written or oral.

consoles and occasionally on some phones — ends the same way that hanging up the receiver does.

e Link Capability The ability for an originating

outs the receiver back on-hook again.

Reliable Sequenced Delivery The delivery of a set of Protocol Data Unit (PDUs) from a source to a destination with no errors in any PDU, in the order transmitted, and without opps or duplicates.

Reliable Service Area RSA. The area specified by the field strength contour within which the reliability of communication service is 90 percent for a mobile unit.

Reliability A measure of how dependable a system is once you actually use it. Very different from MTBF (Mean Time Between Failures). And very different from availability. See MTBF.

Relief Relief refers to providing additional equipment to accommodate growth in customer demand.

Relocatable Code Machine language programs that can isside in any portion of memory.

Remailer Remailers are anonymous mail drops that computer hackers have set up on the Internet, untraceable electionic mail addresses where one can send or receive encrypted data. An article in the October, 1994 issue of High Times, adrug related magazine, offered plans for a similar security system as a remailer, adding one interesting twist. By incorporating a computer virus like Viper or Decide in the system, the computer could be programmed essentially to self-destruct as soon as it detected a security breach, thus render-

Remanufactured Equipment, parts and/or systems that have been repaired and upgraded to the latest higher revision level. The remanufacturing process makes the telecom equipment (used or new) into a finished product that is the latest release and ready for resale. Remanufactured is the term for the highest level of refurbishing equipment.

ing it worthless as evidence.

Remapping The practice of redefining the meaning of keys on the keyboard.

Remind Delay The period of time from when a call is put on hold to when a reminder tone is heard and a message appears on the telephone display.

Remission IBM-speak to change the mission of a product or a facility.

Remodulator In a split broadband cable system, a digital device at the headend that recovers the digital data from the inbound analog signal and then retransmits the data on the outbound frequency.

Remote Pertaining to a system or device that is accessed through a telephone line. The opposite is local. See Remote Access and RAS.

Remote Access Sending and receiving data to and from a computer or controlling a computer with terminals or PCs connected through communications (i.e. phone) links.

Remote Access Concentrator See RAC.

rate LAN (e.g. status on customer orders). Remote access servers are also used by commercial service providers, such as Internet Access Providers (ISPs) to allow their customers access into their networks. Remote Access Servers are typically measured by how many simultaneous dial-in users (on analog or digital lines) they can handle and whether they can work with cheaper digital circuits, such as T-1 and E-1 connections. See also Remote Access Concentrator and Universal Edge Server.

Remote Access Services Software that enable distant PCs and workstations to get into a Remote Access Server to get to software and data on a corporate LAN. Remote access services are provided through modems, analog telephones or digital ISDN lines. Remote access services is For a much longer explanation, see Remote Access (Ref: Hands-On Networking Essentials, M.J. Palmer, Course Technology, Cambridge, MA, 1998, p. 293)

Remote Access To PBX Services Allows a user outside the PBX to access the PBX by dialing it over a normal phone line. You dial the number. It answers. It may or may not say anything. It may just give you dial tone. You now punch in an authorization code. If your code is acceptable, the PBX gives you another dial tone. That dial tone is effectively the one all users within the PBX get. Once you have this dial tone, you can dial another extension, jump on the company's WATS network, get into the dictation unit, access its voice mail, or whatever. Suffice, you are inside the PBX. You can do whatever anyone else inside the PBX can do.

Remote Adapted Routing The adaptation of backbone routing techniques that take into account; slow-line communications links, intermittent connections, security, charity chatty routing protocols, management, and user ergonomics. Remote Batch Processing Processing in a computer system in which batch programs and batch data are entered from a remote terminal or a remote PC (personal computer) over phone lines.

Remote Bridge A bridge between two or more similar networks on remote sites. Dial up or leased lines typically require a local bridge or gateway and a remote bridge or gateway an each end, in order to network.

Remote Call Forwarding RCF. This is a neat service. It allows a customer to have a local telephone number in a distant city. Every time someone calls that number, that call is forwarded to you in your city. Remote call forwarding is very much like call forwarding on a local residential line, except that you have no phone, no office and no physical presence in that distant city. Remote Call Forwarding exists purely in the central office. You can also think of it as measured Foreign Exchange. Companies buy Remote Call Forwarding for three reasons: 1. To encourage distant customers to call them by