

dictionary of
communications
technology

third edition

gilbert held

everything

you didn't know you needed to know

about Communications and Wireless

Ex. 2021

Apple Inc. v. Rembrandt Wireless Technologies, LP, IPR2020-00033

Page 1 of 9

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Rembrandt Wireless
Ex. 2021

Apple Inc. v. Rembrandt Wireless Technologies, LP, IPR2020-00033

Page 2 of 9

ACF/NCP

ACF/NCP In IBM's VTAM, Advanced Communications Function for the Network Control Program.

ACF/SSP In IBM's VTAM, Advanced Communications Function for the System Support Programs. Synonym for SSP.

ACF/TAP In IBM's VTAM, Advanced Communications Function for the Trace Analysis Program. Synonym for TAP.

ACF/TCAM In IBM's VTAM, Advanced Communications Function for the Telecommunications Access Method.

ACF/VTAM In IBM's VTAM, Advanced Communications Function for the Virtual Telecommunications Access Method.

ACF/VTAM application program In IBM's VTAM, a program that has opened an ACB to identify itself to ACFNTAM and can now issue ACFNTAM macro instructions.

ACF/VTAM definition In IBM's VTAM, the process of defining the user application network to ACFNTAM and modifying IBM-defined characteristics to suit the needs of the user.

ACF/VTAM definition library In IBM's VTAM, the operating system files or data sets that contain the definition statements and start options filed during ACFNTAM definition.

ACF/VTAM operator A person or program authorized to issue ACF/VTAM operator commands.

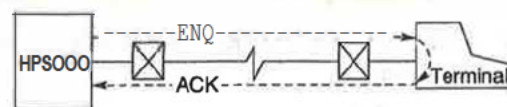
ACF/VTAM operator command A command used to monitor or control an ACFNTAM domain.

ACF/VTAME In IBM's VTAM, Advanced Communications Function for the Virtual Telecommunications Access Method Entry.

ACI Access Control Information.

acknowledgment (ACK) A control character used (with NAK) in BSC communications protocol to indicate that the previous transmission

block was correctly received and that the receiver is ready to accept the next block. Also used as a ready reply in other communications protocols, such as Hewlett-Packard's ENQ/ACK protocol (see following diagram) and the ETX/ACK method of flow control.



ENQ/ACK protocol diagram

ACM Association for Computing Machinery.

ACOC Area Communications Operations Center.

ACOnet Akademisches Computer NETz, a research network in Austria.

ACONSOLE The name of a Novell NetWare 3.x utility program that allows a network supervisor to access a server via a modem connection and manage that server as if the user was at the server's console.

Acorn A trademark of AT&T for a network control system.

acoustic coupler A device that converts electrical signals into audio signals, enabling data to be transmitted over the public telephone network via a conventional telephone handset; it also converts the audio signals back into electrical signals at the receiving end. A kind of modem.

ACP Advanced Communications Package.

ACP Allied Communication Publication.

acquire 1. In IBM's VTAM, the operation in which an authorized ACFNTAM application program initiates and establishes a session with another logical unit; the application program acts as the primary end of the session. *Note.* The acquire process causes an Initiate request to be sent to the SSCP which causes the SSCP to return a CINIT request to the application program (the PLU); this in turn causes the PLU to send a BIND request to the SLU. Contrast with **Release** resource

Rembrandt Wireless

Ex. 2021

Apple Inc. v. Rembrandt Wireless Technologies, LP, IPR2020-00033

Page 3 of 9

marker

condition. 2. In data communications, a mark represents a binary 1; the steady-state, no-traffic state for asynchronous transmission. 3. The idle condition. 4. In the context of the virtual terminal, a mark is a signal inserted into an output data stream by the virtual terminal, to acknowledge that an attention or interrupt input signal has been received.

marker The common control device for a cross-bar switch.

marker tape A tape laid parallel to a conductor under the jacket in a cable. The tape is printed with the name of the manufacturer and specifications about the cable.

mark-hold The normal no-traffic line condition whereby a steady mark is transmitted.

Markov constraint A constraint on the routing method according to which the future route of a packet is independent of its past history, such as its source or its route so far. This constraint is implied by directory routing.

mark-to-space transition The transition, or switching from a marking impulse to a spacing impulse.

MarkVision The name of a software product built into some IBM laser printers which enables remote NetWare users to configure and monitor the status of the printer.

MARS Military Affiliate Radio System.

Marquis The name of a PC Card from Motorola of Schaumburg, IL that provides 28.8 kbps of data and fax communications, and functions as a 10Mbps Ethernet adaptor.

MASER (Microwave Amplification by Simulated Emission of Radiation) A device that generates signals in the microwave range, with low-noise characteristics.

mask Pattern of bits (1s or 0s) specified by the user that can be used with the trap mode of a communications test set.

masking A method of transforming one set of data into another while blocking or excluding some data from this process on the basis of code patterns or position.

master antenna system A coaxial cable distribution system which provides television to apartments, hotel rooms, hospitals and schools.

master boot infector A virus that overwrites or replaces the master boot record of a physical drive.

master clock The source of timing signals, or the signals themselves, which all network stations use for synchronization.

master cryptography key In IBM's SNA, a cryptographic key used to encipher operational keys that will be used at a node.

master group In Frequency Division Multiplexing (FDM), an assembly of 10 supergroups occupying adjacent bands in the transmission spectrum for purposes of simultaneous modulation and demodulation.

master modem In a multipoint system, the modem that transmits constantly in the outbound direction. Usually the modem at the central site. In a multitier system, the term represents a remote master, or a master modem that is not located at the central site.

master station 1. In multipoint circuits, the unit which controls/polls the nodes. 2. In point-to-point circuits, the unit which controls the slave station. 3. In LAN technology, the unit on a token-passing ring that allows recovery from error conditions, such as lost, busy, or duplicated tokens; a monitor station.

MATE An asynchronous communications software program from Concept Automation that operates on Data General MV computers.

mathematical model A mathematical description or approximation of some real event.

matrix In switch technology, that portion of the switch architecture where any input leads to any output leads meet.

Rembrandt Wireless

Ex. 2021

Apple Inc. v. Rembrandt Wireless Technologies, LP, IPR2020-00033

Page 4 of 9

PC router

PC Router A program that is a part of the IBM PC 3270 Emulation Program or IBM 3270 PC Control Program that uses the Server-Requester Programming Interface (**SRPI**), to route requests from the PC requester programs to the corresponding router on the host.

pcANYWHERE A trademark of OMA, Inc., of New York, NY, as well as a PC-based remote computing software program marketed by that vendor.

PCBoard A series of bulletin board software marketed by Clark Development Co., Inc., of Salt Lake City, UT.

PCI Peripheral Component Interconnect.

PCI Protocol Control Information.

PCL Printer Control Language.

PCM 1. Plug Compatible Machine. 2. Pulse Code Modulation.

PCMCIA Personal Computer Memory Card International Association.

PCNET A local area network (LAN) developed by Orchid Technology based on coaxial cable running at 1 Mbps transmission rate.

PC-NFS A trademark of Sun Microsystems, Inc., as well as a networking product from that vendor which enables IBM PC and compatible computers to access a variety of small and large computer systems to include DEC VAX and IBM SNA networks.

PCS 1. Plastic Clad Silica. 2. Personal Communications Service.

PC-SYNC An internal synchronous modem and communications software marketed by Barr Systems, Inc., of Gainesville, FL, for the IBM PC series and PS/2 Models 25 and 30.

PC-SYNC/2 An internal synchronous modem and communications software marketed by Barr Systems, Inc., of Gainesville, FL, for IBM PS/2 micro-channel personal computers.

PC-Term An asynchronous communications terminal emulation program from Crystal Point of Kirkland, WA, that operates on IBM PC and compatible personal computers.

PCU Packet Control Unit.

pcX The name of a software program from Tropical Communications Associates, Inc., of DeBary Beach, FL, that performs packet assembler/disassembler functions. pcX operates on IBM PC and compatible personal computers.

PD Pulse Duration.

PDF Portable Document Format.

PDI Picture Description Instruction.

PDM Pulse Duration Modulation.

PDN 1. Packet Data Network. 2. Public Data Network.

PDS 1. Premises Distribution System. 2. Processor-Direct Slot.

PDU Protocol Data Unit.

PDU lifetime A value that indicates the number of router hops a Protocol Data Unit (PDU) can flow across before it must either reach its destination or be discarded.

Peak Cell Rate (PCR) In an ATM network, the maximum rate at which cells can be transmitted across a virtual circuit.

peak limiter A filter used to reduce the effect of noise on a signal by clipping off noise peaks above the desired peak level of a signal; can be used on frequency modulated (FM), frequency shift keyed (FSK), or pulse-code modulated (PCM) signals.

peak load The maximum load, such as bits per second or packets per second, that can be placed on a network.

peak to average ratio test (PAR) The PAR test is a signal fidelity measurement designed to be sensitive to envelope delay distortion, attenuation distortion, and less sensitive to the

Rembrandt Wireless

Ex. 2021

400
Apple Inc. v. Rembrandt Wireless Technologies, LP, IPR2020-00033

Page 5 of 9

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