

Appendix A

Abbreviations

| | |
|--------|---|
| AAL | ATM Adaptation Layer |
| AC | Access Control |
| ACME | Abstractions for Continuous MEdia (name of a project) |
| ACTV-I | Advanced Compatible Television, Fist System |
| A/D | Analog/Digital (Analog-to-Digital Conversion) |
| ADC | Analog-to-Digital Converter |
| ADPCM | Adaptive Difference Plus Code Modulation |
| AI | Artificial Intelligence |
| AIMI | An Intelligent Multimedia Interface |
| ANSI | American National Standards Institute |
| API | Application Programming Interface |
| ARP | Address Resolution Protocol |
| ARQ | Automatic Repeat ReQuest |
| ART | Available Resource Table |
| ARTS | Advanced Real-time Technology Operating System |
| ATM | Asynchronous Transfer Mode |
| AT&T | American Telephone and Telegraph |
| AS | Autonomous Systems |
| AU | Access Unit |
| AVC | Audio Visual Connection |
| AVK | Audio Visual Kernel |
| AVSS | Audio/Video Support System |
| AWI | Animation Works Interactive |

| | |
|-----------|---|
| BCH | Bose-Chadhuri-Hocquenghem |
| BERKOM | BERliner KOMMunikationssystem |
| B-ISDN | Broadband Integrated Service Data Network |
| BGP | Border Gateway Protocol |
| BMC | Basic Multimedia Class |
| BMO | Basic Multimedia Object |
| BWB | BandWidth Balancing |
| | |
| CAT | Computerized Axial Tomography |
| CAV | Constant Angular Velocity |
| CBDS | Connectionless Broadband Data Service |
| CBR | Constant Bit Rate |
| CCD | Charge Coupled Device |
| CCIR | Consultative Committee International Radio |
| CD | Compact Disc |
| CD | Committee Draft (of an ISO standard) |
| CD-DA | Compact Disc Digital Audio |
| CD-I | Compact Disc Interactive |
| CD-MO | Compact Disc Magneto Optical |
| CD-ROM | Compact Disc Read Only Memory |
| CD-ROM/XA | Compact Disc Read Only Memory EXtended Architecture |
| CD-RTOS | Compact Disc Real-Time Operating System |
| CD-WO | Compact Disc Write Once |
| CDTV | Commodore Dynamic Total Vision |
| CERN | European Laboratory for Particle Physics |
| CGA | Color Graphics Adapter |
| CGEG | Computer Graphics Expert Group |
| CIF | Common Intermediate Format |
| CIRSC | Cross Interleaved Reed Solomon Code |
| CLUT | Color Look-Up Table |
| CLV | Constant Linear Velocity |
| CMC | Compound Multimedia Class |
| CMFS | Continuous Media File System |
| CMIS | Common Management Information Service |
| CMIP | Common Management Information Protocol |
| CMO | Compound Multimedia Object |
| CMTTP | Continuous Media Transport Protocol |

| | |
|---------|---|
| COMET | Columbia Operations and Maintenance Explanation Testbed |
| CON | CONcentrator |
| cps | cycles per second |
| CPU | Central Processing Unit |
| CRT | Cathode Ray Tube |
| CS | Convergence Sublayer |
| CSMA/CD | Carrier Sense Multiple Access with Collision Detection |
| CSCW | Computer-Supported Cooperative Work |
| CSP | Communication Sequential Process |
| DA | Destination Address |
| DAB | Digital Audio Broadcasting |
| D/A | Digital/Analog |
| DAC | Digital-to-Analog Converter |
| DAP | Document Application Profile |
| DARPA | Defense Advanced Research Projects Agency |
| DAT | Digital Audio Tape |
| DBS | Direct Broadcast Satellite |
| DCA | Document Content Architecture |
| DBMS | DataBase Management System |
| DCT | Discrete Cosine Transformation |
| DFT | Discrete Fourier Transformation |
| DIN | German National Intitute for Standardization |
| DIS | Distributed Interactive Simulation |
| DIS | Draft International Standard (at ISO) |
| DM | Delta Modulation |
| DQDB | Distributed Queue Dual Bus |
| DPCM | Difference Pulse Code Modulation |
| DPG | Dedicated Packet Group |
| DSP | Dedicated Signal Processor |
| DSP | Digital Signal Processing |
| DSSSL | Document Style Semantics and Specification Language |
| DTD | Data Type Definition |
| DVB | Digital Video Broadcasting |
| DVI | Digital Video Interactive |
| DVMRP | Distance Vector Multicast Routing Protocol |
| D2-MAC | Duobinary Multiplexed Analog Components |

| | |
|--------|--|
| EDD | Earliest Due Date |
| EDF | Earliest Deadline First |
| EDL | Edit Decision List |
| EDTV | Enhanced Definition TeleVision System |
| EGA | Enhanced Graphics Adapter |
| EGP | Exterior Gateway Protocol |
| ELV | Edit Level Video |
| ENC | European Networking Center |
| | |
| FAT | File Allocation Table |
| FBAS | Farb-Bild-Austast-und Synchronsignal (German abbrev. for Composite Video Signal) |
| FCFS | First Come First Served |
| FCS | Finite Coordinate Space |
| FDCT | Forward Discrete Cosine Transformation |
| FDDI | Fiber Distributed Data Interface |
| FEC | Forward Error Correction |
| FFT | Fast Fourier Transformation |
| FIFO | First In First Out |
| fps | frames per second |
| FRESS | File Retrieval and Editing SyStem |
| | |
| GBW | Guaranteed Bandwidth |
| GC | Group Communication |
| GE | General Electric |
| GHz | GigaHertz |
| GIF | Graphical Interchange Format |
| GKS | Graphical Kernel System |
| GSS | Global Store Server |
| GSS | Group Sweeping Scheduling |
| GSU | Generic Space Unit |
| GTU | Generic Time Unit |
| | |
| HAM | Hypertext Abstract Machine |
| HD-MAC | High Definition Multiplexed Analog Components |
| HDTV | High Definition TeleVision |
| HeiTS | Heidelberg Transport System |
| HeiRAT | Heidelberg Resource Administration Technique |

| | |
|--------------|---|
| Hz | Hertz |
| HID | Hop IDentifier |
| HLL | Higher Level Language |
| LPC | Linear Predictive Coding |
| HMD | Head Mounted Displays |
| HP | Hewlett-Packard Company |
| HPCC | High-Performance Computing and Communication |
| HRC | Hybrid Ring Control |
| HSLAN | High-Speed Local Area Network |
| HTML | HyperText Markup Language |
| | |
| IDCT | Inverse Discrete Cosine Transformation |
| IDRP | Inter-Domain Routing Protocol |
| IDTV | Improved Definition Television |
| IEEE | Institute of Electrical and Electronics Engineers |
| IETF | Internet Engineering Task Force |
| IGP | Interior Gateway Protocol |
| IITA | Information Infrastructure Technology and Applications |
| IMAL | Integrated Media Architecture Laboratory |
| I/O | Input/Output |
| IP | Internet Protocol |
| IP | Index Point |
| IPC | InterProcess Communication |
| IS | International Standard |
| ISDN | Integrated Service Data Network |
| ISI | Information Science Institute |
| ISO | International Standard Organization |
| | |
| JBIG | Joint Bi-level Expert Group |
| JPEG | Joint Photographic Expert Group |
| | |
| kHz | kiloHertz |
| | |
| LAN | Local Area Network |
| LAP | Limited A Priori |
| LBAP | Linear Bounded Arrival Processes |
| LBE | Location-Based Entertainment |

| | |
|--------|---|
| LCD | Liquid Crystal Display |
| LDU | Logical Data Unit |
| LED | Light Emitting Diode |
| LLF | Least Laxity First |
| LP | Long Play |
| LSP | Link State Packet |
| LTS | Logical Time Systems |
| MAC | Medium Access Control |
| MAN | Metropolitan Area Network |
| MBone | Multicast Backbone |
| MCI | Media Control Interface |
| MCS | Multimedia Communication System |
| MCU | Minimum Coded Unit |
| MDBMS | Multimedia DataBase Management System |
| Memex | Memory Extender |
| MH | Mobile Host |
| MHEG | Multimedia and Hypermedia Information Coding Expert Group |
| MIB | Management Information Base |
| Micon | Moving Icon |
| MID | Message Identification |
| MIDI | Musical Instrument Digital Interface |
| MIME | Multi-purpose Internet Mail Extensions |
| MIN | Multi-stage Interconnection Network |
| MIPS | Music Information Processing Standard |
| MM | MultiMedia |
| MMC | MultiMedia Conferencing |
| MMPM/2 | MultiMedia Presentation Manager/2 |
| MO:DCA | Mixed Object Document Content Architecture |
| MPEG | Motion Picture Expert Group |
| MS | Message Store |
| MTS | Message Transfer System |
| MUD | Multi-User Dungeon |
| NAK | Non-AcKnowledgegment |
| NASA | National Aeronautics and Space Administration |
| NCSA | National Center for Supercomputing Applications |

| | |
|--------|--|
| N-ISDN | Narrowband Integrated Service Data Network |
| NFSNET | National Science Foundation NETwork |
| NIH | National Institute of Health |
| NII | National Information Infrastructure |
| NLS | ON Line System |
| NRTE | Non Real-Time Environment |
| NRZI | Non Return to Zero Inverted |
| NTP | Network Time Protocol |
| NTSC | Nemo Trusted Supervisor Call |
| NTSC | National Television Systems Committee |
| OCR | Optical Character Recognition |
| ODA | Open Document Architecture |
| ODIF | Open Document Interchange Format |
| ODL | Open Document Language |
| OS | Operating System |
| OSI | Open System Interconnection |
| OSPF | Open Shortest Path First |
| OWL | Office Workstations Limited |
| QCIF | Quarter Common Intermediate Format |
| PAL | Phase Alternating Line |
| PARC | Palo Alto Research Center |
| PC | Personal Computer |
| PCM | Pulse Coded Modulation |
| PDD | Physical Device Driver |
| PDU | Protocol Data Unit |
| PES | Packetized Elementary Stream |
| PH | Physical Layer |
| PHIGS | Programmer's Hierarchical Interactive Graphics System |
| PHY | PHYSical Layer Protocol |
| PIM | Personal Information Manager |
| PIR | Personalized Information Environment |
| PLV | Presentation Level Video (formerly Production Level Video) |
| PMD | Physical Layer Medium-Dependent |
| PRT | Priority Token Ring |

| | |
|--------|---|
| PSA | Personal Service Agent |
| PTI | Payload Type Information |
| PTU | Physical Time Unit |
| QoS | Quality of Service |
| QA | Queued Arbitrated |
| RAID | Redundant Arrays of Inexpensive Disks |
| RCAP | Real-time Channel Administration Protocol |
| RDA | Remote Data Access |
| R-DQDB | Reactive Distributed Queue Dual Bus |
| RFC | Request For Change (at IETF) |
| RGB | Red Green Blue (composite video signal) |
| RI | Recorder User Interaction |
| RIFF | Resource Interchange File Format |
| RMTP | Real-time Message Transport Protocol |
| RTE | Real-Time Environment |
| RTIP | Real-Time Internet Protocol |
| RTP | Real-Time Transport Protocol |
| RTCP | RTP Control Protocol |
| RTV | Real-Time Video |
| SA | Sender Address |
| SAR | Segmentation And Reassembly |
| SCEFO | SCENE FOrmat |
| SCMP | ST Control Message Protocol |
| SCMC | Synchronization Controller for Multimedia Communication |
| SCO | Santa Cruz Operation |
| SDU | Service Data Unit |
| SECAM | SEquential COleur Avec Memoire |
| SGML | Standard Generalized Markup Language |
| SMT | Station Management |
| SDH | Synchronous Digital Hierarchy |
| SIGCHI | Special Interest Group for Computer Human Interaction |
| SJF | Shortest Job First |
| SMDL | Standard Music Description Language |
| SMDS | Switched Multi-megabit Data Service |

| | |
|----------|---|
| SMPTE | Society of Motion Picture and Television Engineers |
| SNMP | Simple Network Management Protocol |
| SONET | Synchronous Optical NETWORK |
| SPDL | Standard Page Description Language |
| SPI | Stream Programming Interface |
| SRGP | Simple Raster Graphics Package |
| SRI | Stanford Research Institute |
| SSTF | Shortest Seek Time First |
| ST-II | Stream Protocol, Version 2 |
| STM | Synchronous Transfer Mode |
| SVGA | Super VGA |
| | |
| TC | Transmission Convergence |
| TCP | Transmission Control Protocol |
| TDM | Time Division Multiplexing |
| TDS | Time Driven Scheduler |
| TEXTPLAN | TEXTual Explanation Planner |
| THz | TeraHertz |
| TIFF | Tagged Image File Format |
| TIB | Temporal Interval Base |
| TPC | Temporal Presentation Controller |
| TRT | Token Rotation Time |
| TTRT | Target Token Rotation Time |
| TV | TeleVision |
| | |
| UA | User Agent |
| UC | University of California |
| UDP | User Datagram Protocol |
| UNI | User Network Interface |
| | |
| VE | Virtual Environment |
| VBR | Variable Bit Rate |
| VC | Virtual Circuit |
| VCI | Virtual Connection Identifier or Virtual Channel Identifier |
| VDP | Video Display Processor |
| VE | Virtual Environment |
| VGA | Video Graphics Array |

| | |
|---------|--|
| VLP | Video Long Play |
| VOD | Video On Demand |
| VPI | Virtual Path Identifier |
| VR | Virtual Reality |
| VRAM | Video RAM |
| | |
| WAN | Wide Area Network |
| WAS | Workahead Augmenting Set |
| WBC | Wide Band Channels |
| WIMP | Windows, Icons, Menus, Pointers |
| WO | Write Once |
| WORM | Write Once Read Many |
| WME | Window Multimedia Extension |
| WWW | World-Wide Web |
| WYSIWYG | What You See Is What You Get |
| | |
| XGA | EXtended Graphics Array |
| XTP | Xpress Transport Protocol |
| | |
| YARTOS | Yet Another Real-Time Operating System |

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