

BPS Bits Per Second
 BTU British Thermal Unit
 B&W Black and White

C C Centigrade
 CAD/CAM . . Computer Assisted (or Aided) Design/Computer Assisted Manufacturing
 CAI Computer Assisted (or Aided) Instruction
 CALS Computer-aided Acquisition and Logistic Support (Department of Defense
 initiative on electronically submitted documents)
 CBP Computer Based Publishing
 CBT Computer Based Training
 CC ChromaCom (Linotype-Hell color page assembly workstation)
 CC Color Correcting
 CCD Charge-Coupled Device
 CCI Center for Creative Imaging
 CCITT Consultative Committee for International Telephony and Telegraphy
 (communications standards committee of ITU)
 CCR Complementary Color Reduction (early Hell term for GCR)
 CCTV Closed Circuit TeleVision
 CD Compact Disk
 CD-I Compact Disk Interactive
 CDR Copy Density Range
 CD-ROM . . . Compact Disk - Read Only Memory
 CEPS Color Electronic Prepress System
 CGA Color Graphics Adapter (video display standard)
 CGATS Committee for Graphic Arts Technology Standards (ANSI committee)
 CGI Computer Graphics Interface (standard format for writing graphics drivers)
 CGM Computer Graphics Metafile (file format)
 CIC Common Impression Cylinder
 CIE Commission International de l'Eclairage (color standards organization)
 CIELAB CIE color standard where L stands for Lightness or Luminance, and A and B
 are mathematically defined coordinates (see LAB)
 CIELCH CIE color standard where L stands for Lightness or Luminance, C stands for
 Chroma, and H stands for Hue angle (see LCH)
 CIELUV CIE color standard where L stands for Lightness or Luminance, and U and V
 are mathematically defined coordinates (see LUV)
 CIEXYZ CIE color standard where X, Y, and Z are mathematically defined coordinates
 CISC Complex Instruction Set Computer
 C&lc Capitals and lower case
 CLC Color Laser Copier
 CLUT Color Look-Up Table
 CMC Colour Measurement Committee (color tolerancing method)
 CMMU Cache Memory Management Unit
 CMOS Complementary Metal Oxide Semiconductor (semiconductor type)
 CMS Color Management System
 CMYK Cyan, Magenta, Yellow and Black (ink colors for printing)
 COBOL COmmon Business Oriented Language (computer language)
 CORA Computer Orientated Reproducer Assembly (Linotype-Hell proprietary type-
 setting language, also, the name of the principle programmer's wife)
 CP Chromagraph Poster (Linotype-Hell digital color laser scanner)
 CPSI Configurable PostScript Interpreter
 CPU Central Processing Unit
 CR Carriage Return
 CQR Color Quality Registration (trademark of the Ulte division of Linotype-Hell)
 CRC Camera Ready Copy
 CRC Cyclic Redundancy Check (error checking technique)
 CREF Computer Ready Electronic Files
 CRI Color Rendering Index

- CRT Cathode Ray Tube
C&sc Capitals and SMALL CAPITALS
CSMA Carrier Sense Multiple Access (LAN access technique)
CSMA/CD Carrier Sense Multiple Access with Collision Detection
CSR Customer Service Representative
CT Continuous Tone
CTU Color Transformation Unit
CT2T Continuous Tone To Tape
- D DA Desk Accessory
D/A Digital to Analog
DAC Digital to Analog Conversion
DAT Digital Audio Tape
DC Direct Current
DC Digital Chromagraph (Linotype-Hell digital color laser scanner)
DCS Desktop Color Separation
DCT Discrete Cosine Transform (encoding and decoding technique)
DCX (scanned image format)
DDAP Digital Distribution of Advertising for Print
DDCP Direct-Digital Color Proof
DDE Dynamic Data Exchange
DDES Digital Data Exchange Standards
DDP Digital Delivery Protocol (ask Don)
DEC Digital Equipment Corporation
DENSY Direct ENtry SYstem (Linotype-Hell proprietary typesetting language)
DG Data General
DIC Device Independent Color
DIN Deutsche Industrie Norm (German industrial standards organization)
DMA Direct Memory Access (standard memory access procedure)
DMAX Maximum Density
DMIN Minimum Density
DOS Disk Operating System
DP Data Processing
DPCM Differential Pulse Code Modulation
DPI Dots Per Inch
DRAM Dynamic Random Access Memory
DRUPA DRUck und PApier (German conference, short for printing and paper)
DSP Digital Signal Processor (specialized computer chip)
DTP DeskTop Publishing
DUC Disk Unit Controller
DXF (2-d graphics CAD format)
- E EAROM Electrically Alterable Read-Only Memory
EB Electron Beam
EBCDIC Extended Binary Coded Decimal Interchange Code
ECL Emitter-Coupled Logic (type of ALU technology)
EDA Effective Dot Area
EDG Electronic Dot Generator (or Generation)
EDI Electronic Data Interchange
EDP Electronic Data Processing
EEPROM Electrically Erasable Programmable Read-Only Memory (see EPROM)
EFEX Electronic Front-End Exchange (GCA specification)
EFI Electronics For Imaging
EGA Enhanced Graphics Adapter (video display standard)
EIEIO Enforce In-order Execution of Input/Output (PowerPC chip instruction)
EIP Electronically Integrated Processing
EISA Extended Industry Standard Architecture (PC bus standard)
EMS Electronic Mechanical Specification (GCA specification)

- END Equivalent Neutral Density
- EOL End Of Line
- EP Electronic Publishing
- EPC Electronic Page Composition
- EPROM Erasable Programmable Read-Only Memory (see EEPROM)
- EPA Environmental Protection Agency
- EPS Electronic Publishing System
- EPS Encapsulated PostScript
- EPS5 (PostScript color separation method)
- EPSF Encapsulated PostScript File
- ESDI Enhanced Small Device Interface (hardware standard for connecting disk
. and tape drives to computers)
- ETAOIN Sequence of keys on left hand side of a hot metal Linotype keyboard
. (ETAOINSHRDLU sometimes mistakenly appears in documents set via hot
. metal because that sequence of letters was used as a test by operators.)
- EuroSWOP European Specification for Web Offset Publications

- F F Fahrenheit
- f-stop fixed stop
- FDDI Fiber Distributed Data Interface (ANSI Standard for fiber optic LANs)
- FDM Frequency Division Multiplexing
- FESPA Federation of European Screen Printing Associations
- FFTA Foundation of Flexographic Technical Association (educational arm of FTA)
- F&G Folded and Gathered (unbound book)
- FIFO First In, First Out
- FIPP International Federation of the Periodical Press
- FLOPS FLOating point operations Per Second
- FM Frequency Modulation
- FOND FONt family Descriptor
- FORTRAN FORmula TRANslator
- FPO For Position Only
- FPU Floating Point Unit
- FTA Flexographic Technical Association
- FTP File Transfer Protocol

- G G Gram
- G Giga (1,000,000,000 units)
- GA Graphic Arts
- GAA Gravure Association of America
- GAMIS Graphic Arts Marketing Information Service
- GATF Graphic Arts Technical Foundation
- GB Gigabyte
- GCA Graphic Communications Association
- GCR Gray Component Replacement (although most vendors now use the term
. GCR, a variety of terms have been used to describe GCR, including: ACR,
. CCR, ICR, PCR, and PIR)
- GCR Group Coded Recording (disk format standard)
- GEM Graphics Environment Manager (user interface and vector graphic file format)
- GIF Graphic Interchange Format (CompuServe graphic file format)
- GHz GigaHertz (1 billion cycles per second)
- GIGO Garbage In, Garbage Out
- GMBH Gesellschaft Mit Beschränkter Haftung (German for a limited business)
- GPIB General Purpose Interface Board (or Bus)
- GUI Graphical User Interface
- GWE Graphical Windowing Environments

- H H Height
- HADA High Availability Disk Array
- HCL Hue, Chroma and Lightness (or Luminance)

- HDLC High-level Data Link Control (ISO Protocol)
- HDTV High Definition TeleVision
- HeNe. Helium Neon (graphic arts laser)
- HGC Hercules Graphic Card (video display standard)
- H&J. Hyphenation and Justification
- HP Hewlett Packard
- HPGL Hewlett Packard Graphics Language (also a file format)
- HQS High Quality Screening (HQS Screening is a Linotype-Hell registered
. trademark)
- HSB. Hue, Saturation and Brightness (color model)
- HSI Hue, Saturation and Intensity (color model)
- HSL. Hue, Saturation and Lightness or Luminance (color model)
- HSV. Hue, Saturation and Value (color model)
- H/W. Hardware
- Hz Hertz (frequency unit equal to one cycle per second)

- I IBM International Business Machines
- IC Integrated Circuit
- ICR Integrated Color Removal (Dainippon Screen, GCR)
- ICS Includer Color Separation (Linotype-Hell color separation standard)
- IDN Integrated Digital Network
- IEEE Institute of Electrical and Electronic Engineers
- IFEN Inter-company File Exchange Network (proposed standard by major repro
. vendors for system connectivity)
- IFT. Ink Film Thickness
- IGES Initial Graphics Exchange Specification (ANSI standard for CAD/CAM)
- IMG As in image (GEM raster file format)
- I/O Input/Output
- IPI Intelligent Peripheral Interface
- IPA International Prepress Association
- IS. Irrational Screening (I.S. Technology is a Linotype-Hell trademark)
- ISA Industry Standard Architecture (16-bit bus)
- ISCC Inter-Society Color Council
- ISDN Integrated Services Digital Network (telephone and networking standard)
- ISO International Standards Organization (more precisely, International
. Organization for Standardization)
- ISV Independent Software Vendor
- ITC International Typeface Corporation
- ITU International Telecommunications Union
- IT8. (standards committee, possibly Image Technology)

- J JIT. Just In Time
- JBIG Joint BI-level Group (CCITT/ISO committee on facsimile compression)
- JND. Just Noticeable Difference (in color perception)
- JPEG. Joint Photographic Experts Group (CCITT/ISO committee which has
. proposed a standard for color image compression)

- K K Kelvin
- K Kilo (K or k by itself may mean either 1024 or 1000 units)
- KB Kilobyte
- KBD. Kilobaud
- KBPS Kilobits per second
- KG Kilogram
- KHz. KiloHertz (frequency unit equal to one thousand cycles per second)
- KISS Keep It Simple, Stupid

- L L Length
- L Linotronic
- L Liter

- LAB Lightness (or Luminance) and two color coordinates: A which represents
. values on a red/green axis and B which represents values on a blue/yellow
. axis. Also written as $L^*a^*b^*$.
- LAN Local Area Network
- LASER Light Amplification from the Stimulated Emission of Radiation
- lc lower case
- LCD Liquid Crystal Display (screen display technology)
- LCH Lightness (or Luminance), Chroma, and Hue angle
- LDN Long Distance Network
- LED Light Emitting Diode
- L-HUG Linotype-Hell User Group
- LIFO Last In, First Out
- LIRA Linotype Image Rasterizing Accelerator
- LI-2, LI-5 Linotype Interfaces
- LPD Letraset Printer Description
- LPI Lines Per Inch
- LPM Lines Per Minute (measure of typesetter speed)
- LQP Letter Quality Printer
- LTC Linotronic
- LUT Look-Up Table
- LUV Lightness (or Luminance) and two color coordinates: U which represents
. values on a red/green axis and V which represents values on a blue/yellow
. axis. Also written as Lu^v or $L^*u^*v^*$.
- LVT Light Valve Technology
- LW Laser Writer
- LW Line Work
- LZW Lempel-Ziv-Welch (compression standard)
- M M (as M weight, this refers to the weight of 1000 sheets of paper)
- M Mega (1,000,000 units)
- MAU Multi-Access Unit
- MB Megabyte
- MBPS Megabits per second
- MCA Micro Channel Architecture (internal bus for IBM PS/2)
- MDA Monochrome Display Adapter (video display standard)
- MFLOPS Million FLOating point instructions Per Second
- MFM Modified Frequency Modulation (disk format standard)
- MGA Monochrome Graphic Adapter (video display standard)
- MHz MegaHertz (frequency unit equal to one million cycles per second)
- MICR Magnetic Ink Character Recognition
- MIDI Musical Instrument Digital Interface
- MIPS Million Instructions Per Second (sometimes jokingly referred to as
. Meaningless Indicator of Performance Specification)
- MIS Management Information System
- MO Magneto Optical (disk descriptor)
- MODEM MOdulator/DEModulator
- MOS Metal Oxide Semiconductor (electronic chip)
- MPA Magazine Publishers Association
- MPEG Motion Picture Experts Group (CCITT/ISO committee working on
. compression of full-motion video images)
- MS Millisecond (1/1,000th of a second)
- μ S Microsecond (1/1,000,000th of a second)
- MS-DOS MicroSoft Disk Operating System
- MSDS Material Data Safety Sheet (data sheet that comes with chemical products)
- MTBF Mean Time Between Failure
- MTF Modulation Transfer Function
- N NAA Newspaper Association of America (formerly called ANPA)

- NADTP National Association of DeskTop Publishers
 - NAPL National Association of Printers and Lithographers
 - NAQP National Association of Quick Printers
 - NBP Name Binding Protocol
 - NBS National Bureau of Standards (now called NIST)
 - NCP Network Control Program
 - ND Neutral Density
 - NDCA National Desktop Color Alliance (now part of TIA)
 - NFNT New FoNT numbering system
 - NFS Network File System (distributed file system from Sun)
 - NIST National Institute of Standards and Technology (formerly called NBS)
 - NM Nanometer (1/1,000,000,000th of a meter, used as a measure of wavelength)
 - NNA National Newspaper Association
 - NOS Network Operating System
 - NPES National Printing Equipment and Supplies Association, however, though they
. still maintain the NPES acronym, they are now referred to as the Association
. for Suppliers of Printing and Publishing Technologies
 - NS Nanosecond (1/1,000,000,000th of a second)
 - NTSC National Television Systems Committee (US Color TV standard, often
. jokingly referred to as Never Twice the Same Color)
 - NVRAM Non-Volatile Random Access Memory
 - NuBus (32-bit bus architecture for Macintosh II computers)
 - NYPPUG New York Professional PostScript Users Group
- O
- OCE Open Collaboration Environment
 - OCR Optical Character Recognition
 - ODA Office Document Architecture
 - ODA Optical Dot Area
 - OEM Original Equipment Manufacturer
 - OLE Object Linking and Engineering
 - OLE Object Linking Environment
 - OLP On-Line Processor
 - OPI Open Prepress Interface
 - OS Operating System
 - OSHA Occupational Safety and Health Administration
 - OSF Open Software Foundation
 - OSI Open System Interconnection (ISO standard communications protocol)
 - OTJ On The Job (as in OTJ training)
- P
- PABX Private Automatic Branch eXchange (telephone network exchange)
 - PAL Phase Alternating Line system (European color TV standard)
 - PAL Programmable Array Logic (customizable chip, also known as a gate array)
 - PAP Printer Access Protocol
 - PARC Palo Alto Research Center (Xerox Corporation R&D facility)
 - PC Personal Computer
 - PC Print Contrast
 - PC Printed Circuit
 - PC-DOS Personal Computer - Disk Operating System
 - PCB Printed Circuit Board
 - PCM Pulse Code Modulation
 - PCR Programmed Color Reduction (early Hell term for GCR)
 - PCR Polychromatic Color Removal (early Crosfield term for GCR)
 - PCX (raster graphics format for PC Paintbrush)
 - PDF Printer Description File (for QuarkXPress)
 - PDL Page Description Language
 - PDS Processor Direct Slot
 - PDX Printer Description eXtension
 - PE Printer's Error

- PERT Program Evaluation and Review Technique (charting technique)
- PGA Professional Graphics Adapter (video display standard)
- pH Potential of Hydrogen (measure of acidity/alkalinity)
- PHIGS Programmers Hierarchical Interactive Graphics Standard (language for
. creating 2-D and 3-D graphic images)
- PhotoYCC . . (color space used for Kodak's Photo CD, see YCC)
- PIA Printing Industries of America
- PIC (Lotus file format)
- PICT As in picture (Macintosh file format)
- PIF Printer Information File (Windows)
- PIL Program Interchange Language
- PIM Page Imaging Model
- PIR Programmed Ink Reduction (early Royal Zenith term for GCR)
- PIRA Printing Industry Research Association
- Pixel contraction of Picture Element or Picture Cell
- PM Preventative Maintenance
- PMMU Paged Memory Management Unit
- PMS Pantone Matching System
- PMT PhotoMechanical Transfer (photostat, Kodak trademark)
- PMT PhotoMultiplier Tube
- PNTG Paint file format
- PPA Professional Prepress Alliance
- PPC Print Process Calibration
- PPD PostScript Printer Description (includes APDs and PDXs)
- PPI Pixels Per Inch
- PROM Programmable Read-Only Memory
- PS Picosecond (1/1,000,000,000,000th of a second)
- PS PostScript
- PSE Paper Surface Efficiency
- PTS PhotoTypeSetting
- PVC PolyVinyl Chloride
- Q QA Quality Assurance
- QC Quality Control
- QIP Quality Improvement Process
- QUI QuarkXPress Users International (users group)
- QWERTY . . Sequence of keys on the top letter row of a standard keyboard
- R R Recorder (i.e., R3030)
- RAID Redundant Array of Inexpensive Disks
- RAM Random Access Memory
- RC Resin-Coated (photographic paper)
- RCA Radio Corporation of America
- R&D Research and Development
- RFP Request For Proposal
- RFQ Request For Quote
- RGB Red, Green and Blue (color space describing mixing of light)
- RH Relative Humidity
- RIFF Raster Image File Format
- RIP Raster Image Processor
- RISC Reduced Instruction Set Computer
- RIT Rochester Institute of Technology
- RJE Remote Job Entry
- RLC Run Length Coding (line work format)
- RLE Run Length Encoding (compression technique and line work format)
- RLL Run Length Limited (method for encoding data)
- RLP Rotary Letter Press
- ROI Return On Investment
- ROM Read-Only Memory

- RR Ragged Right
- RR Right Reading
- RRED Right Reading Emulsion Down
- RREU Right Reading Emulsion Up
- RS-232 (EIA specified serial interface, RS may stand for registered specification or
. received signal)
- RT Rational Tangent (RT Screening is a Linotype-Hell registered trademark)
- RTF Rich Text Format

- S S Scanner (i.e., S3500)
- S-Bus (bus for Sun Computers)
- SCID Standard Color Image Data
- SCODL Scanned Conversion Object Description Language (also a PC file format
. for film recorders)
- SCSI Small Computer System Interface (interface standard)
- SDLC Synchronous Data Link Control (networking protocol)
- SECAM SEquential Couleur A'Memorie (French and Russian Color TV Standard)
- SGML Standard Generalized Markup Language
- SHF Super High Frequency
- SID Solid Ink Density
- SIG Special Interest Group
- SIGGRAPH Special Interest Group for computer GRAPHics
- SIMM Single In-Line Memory Module
- SLUT Scanner Look-Up Table
- SMP Symmetric Multi-Processor
- SMPTE Society of Motion Picture and Television Engineers
- SNA System Network Architecture
- SNAP Specification for Non-heat Advertising Printing
- SNR Signal to Noise Ratio
- SOL Start Of Line
- SPAI Screen Printing Association International
- SPARC Scalable Processor ARChitecture (32-bit RISC computer)
- SPC Statistical Process Control
- SQL Structured Query Language
- SQUID Superconducting QUantum Interface Device
- S/W Software
- SWOP (revised) Specifications for Web Offset Publications
- SYLK SYmbolic LinK file (spreadsheet file format)

- T T Tera (1,000,000,000,000 units)
- TAC Total Area Coverage (ink coverage)
- TAGA Technical Association of the Graphic Arts
- TAPPI Technical Association of the Pulp and Paper Industry
- TARGA Truevision Advanced Raster Graphics Adapter (video graphics standard)
- TAXI Transparent Asynchronous Xmitter receiverInterface
- TB Terabyte
- TCP/IP Transmission Control Protocol/Internet Protocol (network protocol)
- TDM Time Division Multiplexing
- TFTP Trivial File Transfer Protocol (TCP/IP protocol for file transfer)
- TGA TARGA (file format)
- TIA Typographers International Association
- TIFF Tagged Image File Format (raster image file format)
- TLA Three Letter Acronym
- TOPS Transparent OPERating System (for LANs)
- TQM Total Quality Management
- TRAND Tone Reproduction And Neutral Density System (chart developed by RIT)
- TTS TeleTypesetter System

- U UCA Under Color Addition

- UCL Universal Color Language
- UCR Under Color Removal
- UCS Uniform Chromaticity Scale
- UDK User Defined Key
- UHF Ultra-High Frequency
- UI User Interface
- UL Underwriters Laboratories (independent testing laboratory)
- U&lc Upper and lower case
- UNIX (multi-tasking operating system developed by Bell Labs, the term is a
. play-on-words of an early system called Multics)
- UPC Universal Product Code
- UPS Uninterruptible Power Source
- USM UnSharp Masking
- UV Ultra Violet

- V VAC Volts, Alternating Current
- VAR Value Added Reseller
- VAX Virtual Address eXtension (family of 32 bit computers from DEC)
- VDT Video Display Terminal
- VDU Video Display Unit
- VGA Video Graphics Array (video display standard)
- VHF Very High Frequency
- VLW Very Large Instruction Word
- VLSI Very Large Scale Integration
- VM Virtual Memory
- VME Versa Module Europa (IEEE bus standard)
- VRAM Video Random Access Memory

- W W Watts
- W Width
- WAN Wide Area Network
- WATS Wide Area Telephone Service
- WMF Windows Metafile (vector file format for the PC)
- WORM Write Once Read Multiple
- WPD Windows Printer Definition (non-editable PDF for Windows)
- WRED Wrong Reading Emulsion Down
- WREU Wrong Reading Emulsion Up
- WYSIWYG . What You See Is What You Get (many variations on WYSIWYG have been
. suggested, including among many others: WYSIMOLWYG, What You See Is
. More or Less What You Get)

- X XGA eXtended Graphics Array (video display standard)
- XMO eXtended Memory Option
- XYZ (mathematically defined coordinates in the CIEXYZ color space)

- Y Y In discussions of color space, Y usually represents luminance
- YCC (color components in Kodak's PhotoYCC color space, where Y represents
. luminance and the two Cs represent Chroma)
- YIQ (color components in NTSC color space)
- YUV (color components in SECAM and PAL color spaces)

- Z ZIF Zero Insertion Factor (socket for microprocessor upgrades)

Please direct any questions or comments to: Jim Hamilton, Marketing Department, Linotype-Hell Company, 425 Oser Avenue, Hauppauge, NY 11788
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