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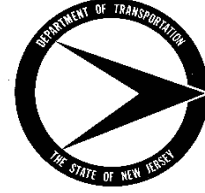
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Baseline Document Change Announcement

Computer Requirements for Field Office and Materials Field Laboratory
BDC99S-011

August 30, 1999

Subject: Revision to Subsections 105.15 and 106.06 of the 1996 Standard Specifications to Update the Minimum Microcomputer System Requirements for the Field Office and the Materials Field Laboratory

The specifications for the microcomputer systems for the Pay Items; Field Office Type __ Set Up and Materials Field Laboratory Set-Up have been updated to expand the systems' capabilities and capacities. Therefore, Subsections 105.15, 1., a., (15) and 106.06, 1., x have been revised to upgrade the processor, Microsoft Windows and laser printer, and increase the RAM, Video RAM, hard drive, CD-ROM, UPS-OMNI as well as indicating the capacity of the Zip Drive and clarifying the type of McAffe program. Additionally, the revisions eliminate the phrases "or better", "or greater," "or faster" and "minimum" throughout the text since in (a), (b) and (d) of 105.15 and (1) and (2) of 106.06 it is indicated that the component list is a "minimum". All references to MS-DOS have also been eliminated.

To incorporate these revisions into the 1996 Standard Specifications, the Standard Input SI98 DOT1 for Subsections 105.15, and 106.06 have been revised as follows:

105.15 Field Office.
 1. Construction Field Office
UNDER "(15) , (a) THROUGH (d) " THE ENTIRE TEXT IS CHANGED TO:

(a) ___ base computer system(s) having at minimum:
  1) Pentium 450 MHz, Intel processor with MMX technology, with a 128 MB RAM, 16 MB Video RAM, mouse, mouse pad, 8 GB hard drive, one 45X CD-ROM and one 90-millimeter, 1.44 MB floppy diskette drive installed as the "A" drive.
  2) 56K baud data/fax modem. If internal, it shall be installed by the Contractor as COM:2. The modem must not utilize Winmodem technology and must operate in a DOS and Windows environment (e.g., 3Com U.S. Robotics 56K Faxmodem, 3Com U.S. Robotics Courier V.Everything/V.34 - 56K ITU / x2 Technology, or Hayes Accura 56K).
  3) One dedicated telephone line to be used in conjunction with the microcomputer modem.
  4) 380-millimeter or larger Super VGA color monitor having a dot pitch of 0.28, with anti-glare screen, and tilt/swivel capabilities.
  5) 100 Megabyte Zip Drive internal or external with backup software for MS-Windows and DOS, and twenty 100 Megabyte formatted data cartridges corresponding to the tape drive size (e.g., Iomega Zip Drive.

6) Uninterruptible power supply (UPS) - OMNI 1000 or approved equal (e.g., APC-1000 - American Power Corporation).

7) Surge protector for the entire computer work station to be used in conjunction with the UPS (e.g., Zero Surge Power, Inc. - Point of Use - 2R-15 amp/120 volts).

8) Static mat, floor type, 1.2 by 1.5 meters or larger with grounding capabilities.

9) Computer work station, printer stand, and/or table having both appropriate surface and chair height.

10) Five boxes of 90-millimeter floppy diskettes that match the drive density of the 1.44 MB floppy diskette drive (ten per box).

11) One floppy diskette holder (holds 50, 90-millimeter floppy diskettes), and dust covers for the microcomputer, monitor, keyboard, and printer.

12) One head cleaner kit for 90-millimeter floppy diskette drive.

(b) One base printer having at minimum:

1) Laser printer having HP PCL 5 emulation, with a 16 Megabyte expanded memory, appropriate printer cable, and legal size tray (e.g., Xerox - 107, Optra E, HP -1100, or HP-2200).

2) One printer toner cartridge every other month for the duration of the construction project.

3) One ten-ream carton of A4 size paper (500 sheets per ream, weight: 75 grams per square meter, color: white, grain: long, for laser printers and copiers) every three months for the duration of the construction project.

4) One ten-ream carton of legal size paper (500 sheets per ream, weight: 75 grams per square meter, color: white, grain: long, for laser printers and copiers) every three months for the duration of the construction project.

(c) One software package, on CD-ROM or 90-millimeter floppy diskettes with documentation, including:

1) Microsoft Windows, latest version with future upgrades.

2) Microsoft Office Professional, latest version. Software package should contain the following: word processor, spreadsheet, and database.

3) Helix Nuts and Bolts Advanced Utilities for Windows, latest version, or compatible software package.

4) Anti-Virus software, latest version with monthly updates (e.g., McAffe Anti Virus, or Dr. Solomon's).

5) Visio Professional Graphics Software, for Windows, latest version.

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INSERT THE FOLLOWING ONLY IF USING PRIMAVERA

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(d) ___ base printer(s) for Primavera having at minimum:

1) Color Inkjet printer of current technology, with appropriate printer cable.

2) Ink cartridge replacements, one of each color, every other month for the duration of the construction project.

3) One ten-ream carton of A4 size paper (500 sheets per ream, weight: 75 grams per square meter, color: white, grain: long, for laser printers and copiers) every three months for the duration of the construction project.

(e) ___ Primavera Project Planner for Windows, latest version.

106.06   Materials Field Laboratory.
   1.   Laboratory.
UNDER "x. (1) THROUGH (3) " THE ENTIRE TEXT IS CHANGED TO:

      x.   A microcomputer system that includes the following:
         (1) One base computer system(s) having at minimum:
            a) Pentium 450 MHz, Intel processor with MMX technology, with 128 MB RAM, 16 MB Video RAM, mouse, mouse pad, 8 GB hard drive, one 45X CD-ROM, and one 90-millimeter, 1.44 MB floppy diskette drive installed as the "A" drive.
            b) 56K baud data/fax modem. If internal, it shall be installed by the Contractor as COM:2. The modem must not utilize Winmodem technology and must operate in a DOS and Windows environment (e.g., 3Com U.S. Robotics 56K Faxmodem, 3Com U.S. Robotics Courier V.Everything/V.34 - 56K ITU / x2 Technology, or Hayes Accura 56K).
            c) One dedicated telephone line to be used in conjunction with the microcomputer modem.
            d) 380-millimeter or larger Super VGA color monitor having a dot pitch of 0.28 or better, with anti-glare screen, and tilt/swivel capabilities.
            e) 100 Megabyte Zip Drive internal or external with backup software for MS-Windows and DOS, and twenty 100 Megabyte formatted data cartridges corresponding to the tape drive size (e.g., Iomega Zip Drive.
            f) Uninterruptible power supply (UPS) - OMNI 1000 or approved equal (e.g., APC-1000 - American Power Corporation).
            g) Surge protector for the entire computer work station to be used in conjunction with the UPS (e.g., Zero Surge Power, Inc. - Point of Use - 2R-15 amp/120 volts).
            h) Static mat, floor type, 1.2 by 1.5 meters or larger with grounding capabilities.
            i) Computer work station, printer stand, and/or table having both appropriate surface and chair height.
            j) Five boxes of 90-millimeter floppy diskettes that match the drive density of the 1.44 MB floppy diskette drive (ten per box).
            k) One floppy diskette holder (holds 50, 90-millimeter floppy diskettes), and dust covers for the microcomputer, monitor, keyboard, and printer.
            l) One head cleaner kit for 90-millimeter floppy diskette drive.
         (2) One base printer having at minimum:
            a) Laser printer having HP PCL 5 emulation, with a 16 Megabyte expanded memory, appropriate printer cable, and legal size tray (e.g., Xerox - 107, Optra E, HP -1100, or HP-2200).
            b) One printer toner cartridge every other month for the duration of the construction project.
            c) One ten-ream carton of A4 size paper (500 sheets per ream, weight: 75 grams per square meter, color: white, grain: long, for laser printers and copiers) every three months for the duration of the construction project.
            d) One ten-ream carton of legal size paper (500 sheets per ream, weight: 75 grams per square meter, color: white, grain: long, for laser printers and copiers) every three months for the duration of the construction project.
         (3) One software package, on CD-ROM or 90-millimeter floppy diskettes with documentation, including:
            a) Microsoft Windows, latest version with future upgrades.
            b) Microsoft Office Professional latest version. Software package should contain the following: word processor, spreadsheet, and database.
            c) Helix Nuts and Bolts Advanced Utilities for Windows, latest version, or compatible software package.
            d) Anti-Virus software, latest version with monthly updates (e.g., McAffe Anti Virus, or Dr. Solomon's).
            e) Visio Professional Graphics Software for Windows, latest version.

Instructions to Designers:

Effective immediately, these specifications shall be included in all projects. The Technical Specifications unit will incorporate the above revised text in projects when necessary, therefore, the designers need not insert these changes while preparing Special Provisions

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