

These recommended specifications (RS) are intended to assist depository coordinators who are planning purchases of new personal computers (PCs) for public use in Federal depository libraries. This document supersedes the Federal Depository Library Program (FDLP) "2004 Recommended Specifications for Public Access Workstations in Federal Depository Libraries" (Administrative Notes, v. 25, no. 8, July 15, 2004).

In accordance with Depository Library Council action at its Spring 2000 meeting, these RS will become requirements October 1, 2009. See "[Related Issues and Considerations](#)" for more information.

COMPUTER

Processor Intel 3.4 GHz or comparable AMD processor minimum. AMD chips have a lo

- □ FOR CARTOGRAPHIC DATA USE: 3.8 GHz processor minimum

Memory Dual Channel DDR2 SDRAM, 2 GB (expandable) minimum. (DDR SDRAM

- FOR CARTOGRAPHIC DATA USE: 4 GB DDR SDRAM

Ports

- One (1) Serial
- Four (4) Universal Serial Bus (USB), 2.0 standard
- Two (2) Universal Serial Bus (USB) located on computer's front panel
- One (1) Parallel
- One (1) PS/2 keyboard connector
- One (1) PS/2 mouse connector
- One (1) Headphone
- One (1) Microphone
- Two (2) IEEE1394 Firewire port
- One (1) Ethernet port if connecting the computer to a networked printer

I/O bus

PCIe and PCI. Should have at least 2 PCIe and 2 PCI.

Video

If you have at least 1GB of main memory, an integrated video chip that comes with the motherboard w

- FOR CARTOGRAPHIC DATA USE: 512MB to 1GB PCI Express slot; Nvidia GeForce, ATI Radeo

Audio

Sound Blaster Audigy 2 (D) or other comparable product with Dolby Digital 5.1

DRIVES AND STORAGE

- Hard Disk Drive** Integrated ATA/100 EIDE (specific to support for 2 removable mass storage)
- FOR CARTOGRAPHIC DATA USE: 200 GB or greater capacity, or network connectivity that provides

- Removable/ External Storage** "Thumb" drives (aka memory sticks, jump drives) are in widespread use and are

Do not assume that new computers have 1.44 MB drives for 3.5" floppy disks. Many manufactures do not

See "Related Issues and Considerations" below for more information.

- Optical Drives** EIDE 48x CD-ROM, 16x DVD-ROM and a 48x CD-RW or CD-RW/DVD 48x
- FOR CARTOGRAPHIC DATA USE: 16x DVD. Single platter or changer design. Should support all

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PERIPHERALS

- Monitor** 19" Flat-panel monitor with a .294 mm dot pitch. At least at 75 Hz refresh rate
- FOR CARTOGRAPHIC DATA USE: 21" Flat-Panel monitor with at least a .294 mm dot pitch, with

- Printer** Laser Printer. Must support PostScript. 64MB of memory, minimum.
- FOR CARTOGRAPHIC DATA USE: Laser printer 80 MB or more memory, or access to a comparable

Keyboard and Pointing Device

Microsoft-compatible keyboard, plus mouse or other compatible device. Strongly recommend ergonomically

- Internet Connectivity** Intel® 82545GM, 64-bit, PCI, 10/100/1000 Gigabit Ethernet featuring Wake

Headphones

Headphones or earbuds should be available to users of audio files or mixed media presentations at go

SOFTWARE

Operating System

Most new computers with a Windows-based operating system come preinst

Client Software

World Wide Web graphical browser with forms support. Java-enabled brows

It is recommended that workstations have virus protection software installed and regular updates sched

Viewers

WWW graphical browser (see above) that handles GIF, JPEG, and PNG graphics. Viewers for other fo

- FOR CARTOGRAPHIC DATA USE: GEOTIFF file viewer. DLGv32 Pro Version 7.03. Viewing softw

Applications Software

The library should consider an integrated "office suite" product that includes word processing, spreads

Mapping Software

- FOR CARTOGRAPHIC DATA USE: Data manipulation package, such as ArcView 9 or higher, Lar