

# MnSCU Technology Standards

(faculty, classroom and administrative)

The following faculty, classroom and administrative standards should be used by campuses when acquiring new technology. The Administration and Staff *minimum* Standard defines the minimum hardware configuration required to support the MnSCU administrative information systems. This minimum level of technology should only be used until the *recommended* technology can be acquired. This concept supports a multi year rotation of technology through an organization. Administration and Staff standards will apply to all users required to access MnSCU administrative information systems. **NOTE: MnSCU administrative information systems are not supported on Apple Computer Inc. products.**

| Faculty Standard   | Classroom Standard   | Administration and Staff Standard   |
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| <b>Micro-computers :</b>   |  |   |
| <p><i>Standard Office Applications:</i></p> <p style="text-align: center;"><b><u>(New Purchases)</u></b></p> <p style="text-align: center;"><b>Recommended:</b></p> <p>Pentium compatible processor, 1.4 Ghz 192 mb RAM, 20+ gb hard drive, 17" Color or 15" LCD monitor Windows 2000 or XP – operating system with latest proven Service Pack , 100 mB network interface, 24X CD ROM capabilities. OR BETTER</p> <p>MAC PowerPC G4 processor, 500mhz, 20gb hard drive, color monitor, 192mb RAM, MAC OS X., network interface OR BETTER</p> <p style="text-align: center;"><b><u>(Rotated Technology)</u></b></p> <p style="text-align: center;"><b>Minimum :</b></p> <p>Pentium compatible processor, 500 Mhz, 128 mb RAM, 6+ gb hard drive, 17" Color monitor Windows 2000 or XP – operating system with latest proven service pack, 100 mB network interface, 24X CD ROM capabilities. OR BETTER</p> | <p><i>Standard Applications:</i></p> <p style="text-align: center;"><b><u>(New Purchases)</u></b></p> <p style="text-align: center;"><b>Recommended:</b></p> <p>Pentium compatible processor, 1.4 Ghz, 192 mb RAM, 20+ gb hard drive, 17" Color or 15" LCD monitor Windows 2000 or XP –operating system with latest proven Service Pack, 100 mB network interface, 24X CD ROM capabilities. OR BETTER</p> <p>MAC PowerPC G4 processor, 500mhz, 20gb hard drive, color monitor, 192mb RAM, MAC OS X., network interface OR BETTER</p> <p style="text-align: center;"><b><u>(Rotated Technology)</u></b></p> <p style="text-align: center;"><b>Minimum :</b></p> <p>Pentium compatible processor 500 Mhz, 64 mb RAM, Windows 98 or NT.</p> | <p><i>Standard Office Applications:</i></p> <p style="text-align: center;"><b><u>(New Purchases)</u></b></p> <p style="text-align: center;"><b>Recommended:</b></p> <p>Pentium compatible processor, 1.4 Ghz 192 mb RAM, 20+ gb hard drive, 17" Color or 15" LCD monitor Windows 2000 or XP –operating system with latest proven Service Pack, 100 mB network interface, 24X CD ROM capabilities. OR BETTER</p> <p>MAC PowerPC G4 processor, 500mhz, 20gb hard drive, color monitor, 192mb RAM, MAC OS 9., network interface OR BETTER</p> <p style="text-align: center;"><b><u>(Rotated Technology)</u></b></p> <p style="text-align: center;"><b>Minimum :</b></p> <p>Pentium compatible processor, 350 Mhz 192 mb RAM, 6+ gb hard drive, 17" Color monitor Windows 2000 or XP – operating system with latest proven Service Pack, 100 mB network interface, 24X CD ROM capabilities. OR BETTER</p> |

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| <b>Multimedia Applications:</b>  |  |   |
| <i>(New Purchases)</i>   |  |   |
| <b>Recommended:</b>  |  |   |
| Pentium compatible processor, 1.4 Ghz, 256 RAM, 20+ gb hard drive, 17" Color or 15" or larger LCD monitor Windows 2000 or XP – operating system with latest proven Service Pack, 100 mB network interface, 24X CD ROM capabilities. OR BETTER  |  |   |
| <b>Monitors:</b>   |  |   |
| 17" colored or 15" LCD monitor recommended when used for extended periods of time.   | 17" colored minimum or 15" or larger LCD monitor recommended when used for extended periods of time.   | 17" colored or 15" LCD monitor recommended when used for extended periods of time.  |
| <b>Laptops:</b>  |  |   |
| Pentium processor, 1.4+ Ghz 192 mb RAM, 20+ gB hard drive, Color active matrix screen (minimum 11.3") 24x or more CD-ROM drive Integrated speakers Windows 2000 or XP operating system with latest proven Service Pack, 56 Kbps or better modem, 100 mB network interface, docking stations at appropriate locations OR BETTER | Pentium processor, 1.4+ Ghz 128 mb RAM 20+ gb hard drive Color, active matrix screen (minimum 11.3") 8x or more CD-ROM drive Integrated speakers Windows ME or 2000 operating system, 56 Kbps or better modem, 100 mB network interface, docking stations at appropriate locations OR BETTER | Pentium processor, 1.4+ Ghz 192 RAM, 20+ gB hard drive, Color active matrix screen (minimum 11.3") 24x or more CD-ROM drive Integrated speakers Windows 2000 or XP operating system with latest proven Service Pack, 56 Kbps or better modem, 100 mB network interface, docking stations at appropriate locations OR BETTER |
| <b>Printer</b>   |  |   |
| Campus discretion  | Campus discretion  | <b>Recommended:</b><br>Hewlett Packard Laser Jet 4 & up, IP addressable   |
| <b>Electronic sharing of documents/files:</b>  |  |   |
| It is the senders responsibility to make sure their audience can receive and read the transmitted data/files.  | It is the senders responsibility to make sure their audience can receive and read the transmitted data/files   | Files attached to a MIME compliant email must be "SAVED AS" and transmitted in either Word 97, Wordperfect 7, Excel 97, Access 97 version format.   |
| <b>Application Software</b>  |  |   |
| <u>Suite:</u>  | <u>Suite:</u>  | <b>Recommended:</b>   |
| Microsoft Office 2000 or XP  | Microsoft Office 2000 or XP  | <i>(note: Given the large percentage of campuses using Microsoft Office</i>   |

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| <p style="text-align: center;"><u>WEB Browser</u></p> <p>Netscape 7 or Microsoft Internet Explorer 6 or</p> <p style="text-align: center;">Mozilla 1.2</p> <p style="text-align: center;"><u>E-Mail</u></p> <p>E-mail program (Groupwise or Microsoft Exchange) Must be MIME compliant.</p> <p style="text-align: center;"><u>Virus Protection:</u></p> <p>Anti-Virus program</p> | <p style="text-align: center;"><u>WEB Browser</u></p> <p>Netscape 7 or Microsoft Internet Explorer 6 or</p> <p style="text-align: center;">Mozilla 1.2</p> <p style="text-align: center;"><u>E-Mail</u></p> <p>E-mail program Must be MIME compliant.</p> <p style="text-align: center;"><u>Virus Protection:</u></p> <p>Anti-Virus program</p> | <p><i>Suite , it is recommended that campuses consider moving to MS office)</i></p> <p style="text-align: center;"><u>Suite:</u></p> <p>Microsoft Office 2000</p> <p style="text-align: center;"><u>Word processing:</u></p> <p>Microsoft Word 2000</p> <p style="text-align: center;"><u>Spreadsheets:</u></p> <p>Microsoft Excel 2000</p> <p style="text-align: center;"><u>Data base:</u></p> <p>Microsoft Access 2000</p> <p style="text-align: center;"><b>Minimum :</b></p> <p style="text-align: center;"><u>Suite:</u></p> <p>Microsoft Office 97</p> <p style="text-align: center;"><u>Word processing:</u></p> <p>Microsoft Word 97</p> <p style="text-align: center;"><u>Spreadsheets:</u></p> <p>Microsoft Excel 97</p> <p style="text-align: center;"><u>Data Base:</u></p> <p>Microsoft Access 2000</p> <p style="text-align: center;"><b>Other:</b></p> <p style="text-align: center;"><u>WEB Browser:</u></p> <p>Netscape 7 or Microsoft Internet Explorer 6</p> <p style="text-align: center;"><u>E-Mail</u></p> <p>E-mail program (Groupwise or Microsoft Exchange) Must be MIME</p> |
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|   |   | compliant.<br><br><u>Virus Protection:</u><br><br>Anti-Virus program   |
| <b>Local Area Network:</b>  |   |  |
| <b><i>Recommended</i></b>   | <b><i>Recommended</i></b>   | <b><i>Recommended</i></b>  |
| <u>Topology:</u><br><br>Fast Ethernet,<br><br>Gigabit Ethernet                                      | <u>Topology:</u><br><br>Fast Ethernet,<br><br>Gigabit Ethernet                                      | <u>Topology:</u><br><br>Fast Ethernet<br><br>Gigabit Ethernet  |
| <u>NOS:</u><br><br>Novell 6.x,<br><br>Windows 2000 or 2003 Server                                   | <u>NOS:</u><br><br>Novell 6.x<br><br>Windows 2000 or 2003 Server                                    | <u>NOS:</u><br><br>Novell 6.x<br><br>Windows 2000 or 2003 Server   |
| <u>Wiring:</u><br><br>Cat 5 wire with fiber back bones<br>that meet MN Dept. Of Admin.<br>standards | <u>Wiring:</u><br><br>Cat 5 wire with fiber back bones<br>that meet MN Dept. of Admin.<br>standards | <u>Wiring:</u><br><br>Cat 5 wire with Fiber back bones, that<br>meet MN Dept. of Admin. standards  |
| <u>Protocol:</u><br><br>TCP/IP recommended, other<br>protocols as deemed necessary by<br>campus     | <u>Protocol:</u><br><br>TCP/IP recommended, other<br>protocols as deemed necessary<br>by campus     | <u>Protocol:</u><br><br>TCP/IP required<br><br><b>Minimum:</b><br><br><u>Topology:</u><br><br>Ethernet or Fast Ethernet<br><br><u>NOS:</u><br><br>Novell 4.11<br><br>Windows NT 4.0<br><br><u>Wiring:</u><br><br>Cat 5 per MN Dept. of Admin.<br>standards<br><br><u>Protocol:</u><br><br>TCP/IP |

REVISION DATES:

January, 2003

March 20, 1998

January 16, 1998

December 23, 1997

December 19, 1997

December 9, 1997

December 8, 1997