

# Kentucky Information Technology Standards (KITS)

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EAS Code	EAS Category Name	Standard	KITS Category Code	KITS Domain > Area > Category	KITS Description	Approved Products	Date
1200	High Volume Scanners – Digital Imaging	<p>Capable of Scanning resolutions between 300 &amp; 9600 depending on the application.</p> <p>Use at least 256 levels of grey or 48 bit color.</p> <p>Compliance with CCITT Group III or IV.</p> <p>Minimum scan speed 100ppm duplex.</p> <p>Refer to ANSI/AIIM MS44-1998 (R1993) - Recommended Practice for Quality Control of Image Scanners.</p>	I01.004.402	Platform > Peripheral > Computer Input Device	Inputs are the signals or data received by the system, and outputs are the signals or data sent from it. For the purposes of the IRM, computer input devices are those that provide data to the machine/application combination for further processing or for manipulation by users through the human-computer interface devices.	<ul style="list-style-type: none"> <li>• Canon</li> <li>• Fujitsu</li> <li>• Hewlett Packard</li> <li>• Kodak</li> </ul> <p>See information on the scanning service offered by the Kentucky Department of Libraries and Archives.</p>	<p><b>Effective:</b> 7/1/1997</p> <p><b>Revised:</b> 6/17/2015</p> <p><b>Reviewed:</b> 6/17/2015</p>



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1310	Remote Network Access	<p>All Remote Users must follow the security requirements set forth in this standard for any remote host accessing Commonwealth IT resources.</p> <p>Remote users must make every effort to secure the remote host used to access Commonwealth IT resources. All remote users are responsible for following applicable Commonwealth policy when handling Commonwealth data that has been accessed remotely. In addition, all remote users are also responsible for following any guidelines issued by their agency's Privacy/Compliance Officer, if applicable. Remote access to the Commonwealth's network should only be achieved by using one of the approved products specified herein.</p>	S03.002.003	Controls > Control Categories > Technical	The security controls (i.e., safeguards or countermeasures) for an information system that are primarily implemented and executed by the information system through mechanisms contained in the hardware, software, or firmware components of the system. See FIPS 200.	<p>To request remote access, please complete COT Form F-181 and select one of the following options:</p> <p>IPSEC VPN SSL VPN NetMotion VPN</p>	<p><b>Effective:</b> 7/1/1997</p> <p><b>Revised:</b> 6/17/2015</p> <p><b>Reviewed:</b> 6/17/2015</p>



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1320	Servers - Application / Database / Web	<p>Must be able to run either z/OS, the UNIX / AIX / Linux operating systems, or Windows Server operating system.</p> <p>Wintel Server Minimum Configuration: One vCPU with 2 cores, 2 GB RAM. 80GB disk of disk space for Operating System and minimum 20GB for data. SMP Wintel Server:</p> <p>The minimum configuration of a server should reflect the resource requirements of the application. Initial application resource requirements plus at least one year of growth both in memory and processor capacity should reflect the minimum configuration requirement.</p> <p>Redundant power supplies.</p>	I01.001.102	Platform > Hardware > Server – Midrange	A midrange computer is a medium-sized computer system or server. Midrange computers encompass a very broad range and reside in capacity between high-end PCs and mainframes. Formerly called "minicomputers", which were hosts to dumb terminals connected over dedicated cables, most midrange computers today function as servers in a network.	<ul style="list-style-type: none"> <li>• IBM iSeries (Formerly AS/400 series. Approved for "upgrade only" for agencies previously designated as strategic AS/400 users.)</li> <li>• IBM pSeries (Formerly known as the RS/6000 series, for UNIX)</li> <li>• IBM xSeries servers for Windows and Linux</li> <li>• IBM zSeries servers for z/OS</li> <li>• IBM zSeries servers for Linux (LinuxONE)</li> <li>• Sun Enterprise and Sunfire servers (for UNIX)</li> <li>• Wintel servers running the Microsoft Windows Server OS from Dell, HP/Compaq, IBM</li> </ul>	<p><b>Effective:</b> 7/1/1997</p> <p><b>Revised:</b> 9/15/2016</p> <p><b>Reviewed:</b> 9/15/2016</p>



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1410	Desktop Computers	Desktop Base (Minimum) Configuration: <ul style="list-style-type: none"> <li>• Processor: Intel G2030 Dual Core</li> <li>• Memory: 4 GB DDR3</li> <li>• Storage: 250 GB SATA Hard Drive</li> <li>• Video: Integrated Graphics</li> <li>• Optional Video: 1 GB AMD Radeon Graphics</li> <li>• Power: Integrated Power Supply</li> <li>• Ports: Eight USB ports</li> <li>• Network Card: 10/100/1000 MB Integrated</li> <li>• Optical Drive: 16XDVD-ROM SATA</li> <li>• Monitor: 17" or 19" Flat Panel Display</li> <li>• Keyboard: USB Keyboard</li> <li>• Mouse: USB Optical Mouse</li> <li>• OS: Windows 7 Enterprise or Professional, 32 or 64 bit</li> </ul>	I01.001.103	Platform > Hardware > Personal Computer – Desktop	A desktop computer is a personal computer in a form intended for regular use at a single location, as opposed to a mobile laptop or portable computer. A Personal Computer (PC) is any general-purpose computer whose size, capabilities, and original sales price make it useful for individuals, and which is intended to be operated directly by an end-user with no intervening computer operator.	<ul style="list-style-type: none"> <li>• Dell</li> <li>• HP</li> </ul>	<b>Effective:</b> 7/1/1997  <b>Revised:</b> 10/13/2016  <b>Reviewed:</b> 10/13/2016



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1460	Notebook / Laptop Computers	Notebook/Laptop Base (Minimum) Configuration: <ul style="list-style-type: none"> <li>• Processor: Intel Core i3</li> <li>• Memory: 4 GB DDR3</li> <li>• Storage: 320 GB SATA Primary Hard Drive</li> <li>• Video: Intel Integrated</li> <li>• Power: 90 W A/C Adapter, 6 Cell Li-ion battery</li> <li>• Ports: Four USB ports</li> <li>• Network Card: 10/100/1000 MB Integrated</li> <li>• Monitor: 14" HD</li> <li>• Keyboard: Integrated</li> <li>• Mouse: Integrated Track Pad</li> <li>• OS: Windows 7 Enterprise or Professional, 64 bit</li> <li>• Wireless: Integrated 802.11n</li> <li>• Optional: Bundle includes: Port Replicator, 17" or 19" Flat Panel Display, USB External Keyboard, USB Optical Mouse</li> </ul>	I01.001.104	Platform > Hardware > Personal Computer – Laptop	A laptop computer is a personal computer for mobile use. A Personal Computer (PC) is any general-purpose computer whose size, capabilities, and original sales price make it useful for individuals, and which is intended to be operated directly by an end-user with no intervening computer operator. A laptop integrates most of the typical components of a desktop computer, including a display, a keyboard, a pointing device such as a touchpad and speakers into a single unit.	<ul style="list-style-type: none"> <li>• Dell</li> <li>• HP</li> </ul>	<b>Effective:</b> 7/1/1997  <b>Revised:</b> 10/13/2016  <b>Reviewed:</b> 10/13/2016



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1480	Mobile Computing Devices	All mobile computing devices should use endpoint encryption.	I01.001.105	Platform > Hardware > Mobile Computing Device	A mobile computing device is a small, hand-held computing device, typically having a display screen with touch input and/or a miniature keyboard and weighing less than 2 pounds (0.91 kg). Such devices have an Operating System (OS), and can run various types of application software, known as apps. Most devices can also be equipped with WI-FI, Bluetooth and GPS capabilities that can allow connections to the Internet and other Bluetooth capable devices such as an automobile or a microphone headset. A camera or media player feature for video or music files can also be typically found on these devices along with a stable battery power source such as a lithium battery.	HP Elite X2 1012, Dell Venue, Apple iPad, Microsoft Surface Pro 3 (Surface Pro 3 must be encrypted with BitLocker. Surface Pro 3 support by COT pending contract vehicle and billing rate).	<p><b>Effective:</b></p> <p><b>Revised:</b> 10/26/2016</p> <p><b>Reviewed:</b> 10/26/2016</p>
1600	Printers	<ul style="list-style-type: none"> <li>• Network printers must be Ethernet ready</li> <li>• SNMP Support</li> <li>• Support Postscript 2 functionality</li> <li>• Support PCL Level 5 or higher</li> <li>• Laser</li> <li>• Duplex Capable</li> </ul>	I01.004.403	Platform > Peripheral > Computer Output Device	Inputs are the signals or data received by the system, and outputs are the signals or data sent from it. For the purposes of the IRM, computer output devices are those that provide data from the machine/application combination to other machines or to the user for asynchronous consumption.	<p>Xerox MPS www.ky-mps.com</p> <p>Also see information on the volume printing services offered by the Kentucky Transportation Cabinet.</p> <ul style="list-style-type: none"> <li>• Large Format Printer - HP Designjet Z5200</li> <li>• For 3D Printing - DeltaMaker 3D Printer, Airwolf 3D Printer AW3D HDL, MakerBot Replicator Desktop 3D Printer 5th Generation</li> </ul>	<p><b>Effective:</b> 7/1/1997</p> <p><b>Revised:</b> 6/13/2016</p> <p><b>Reviewed:</b> 6/13/2016</p>



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1610	Multifunction Devices (MFD)	Minimum acceptable configuration: <ul style="list-style-type: none"> <li>• TCP/IP</li> <li>• Ethernet</li> <li>• SNMP capable</li> <li>• Must support Postscript Level 2 and include PCL Level 5 or higher support.</li> <li>• Fax Modem - 56 Kbps</li> <li>• Color scan</li> <li>• Laser</li> <li>• Secure Print</li> <li>• Duplex</li> </ul>	I01.004.403	Platform > Peripheral > Computer Output Device	Inputs are the signals or data received by the system, and outputs are the signals or data sent from it. For the purposes of the IRM, computer output devices are those that provide data from the machine/application combination to other machines or to the user for asynchronous consumption.	Xerox MPS <a href="http://www.ky-mps.com">www.ky-mps.com</a>  Also see information on the volume printing services offered by the Kentucky Transportation Cabinet.	<b>Effective:</b> 12/20/1999  <b>Revised:</b> 6/17/2015  <b>Reviewed:</b> 6/17/2015



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1910	Smartphone	<p>A smartphone is a mobile phone that offers more advanced computing ability and connectivity than a contemporary basic feature phone. Smartphones and feature phones may be thought of as handheld computers integrated with a mobile telephone, but while most feature phones are able to run applications based on platforms such as Java ME, a smartphone usually allows the user to install and run more advanced applications. Smartphones run complete operating system software providing a platform for application developers.</p> <p>All wireless phone devices are required to be password protected to prevent unauthorized access to wireless voicemail through Caller ID "spoofing". Please see "EAS Best Practice Recommendations" on page 6 of this document.</p>	I01.001.105	Platform > Hardware > Mobile Computing Device	<p>A mobile computing device is a small, hand-held computing device, typically having a display screen with touch input and/or a miniature keyboard and weighing less than 2 pounds (0.91 kg). Such devices have an Operating System (OS), and can run various types of application software, known as apps. Most devices can also be equipped with WI-FI, Bluetooth and GPS capabilities that can allow connections to the Internet and other Bluetooth capable devices such as an automobile or a microphone headset. A camera or media player feature for video or music files can also be typically found on these devices along with a stable battery power source such as a lithium battery.</p>	<p>Carriers:</p> <ul style="list-style-type: none"> <li>• AT&amp;T Wireless</li> <li>• Sprint</li> <li>• T-Mobile</li> <li>• Verizon</li> </ul> <p>For agencies in the executive branch, AT&amp;T will be the prime vendor.</p> <p>Executive branch agencies that may need service from one of the three alternate carriers must get approval in advance on this form: "Wireless Carrier Exception to AT&amp;T Wireless Services Contract for Executive Branch Agencies".</p> <p>Devices:</p> <ul style="list-style-type: none"> <li>• BlackBerry (existing replacement only, not approved for new purchases)</li> <li>• Any smartphone device on AT&amp;T price contract, including iPhones, are approved for use and do not require an exception.</li> </ul>	<p><b>Effective:</b> 6/1/2006</p> <p><b>Revised:</b> 5/1/2014</p> <p><b>Reviewed:</b> 6/17/2015</p>



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9997	Low to Medium (1500/4000 pages per day max) Volume Scanners – Digital Imaging	<p>These scanners are for single users.</p> <ul style="list-style-type: none"> <li>• Hi-Speed USB 2.0 connection</li> <li>• 24-bit color, 8-bit grayscale, 1-bit black &amp; white scanning</li> <li>• Letter/Legal paper scan</li> <li>• Optical Resolution of 300 DPI or greater</li> <li>• 20 ipm or greater (low)</li> <li>• 100 ipm or greater (Medium)</li> </ul>	I01.004.402	Platform > Peripheral > Computer Input Device	Inputs are the signals or data received by the system, and outputs are the signals or data sent from it. For the purposes of the IRM, computer input devices are those that provide data to the machine/application combination for further processing or for manipulation by users through the human-computer interface devices.	<ul style="list-style-type: none"> <li>• Xerox MPS <a href="http://www.ky-mps.com">www.ky-mps.com</a></li> <li>• FUJITSU Document Scanner fi-7160 - For use at County Clerk Offices for Motor Vehicle Registration.</li> </ul> <p>Also see information on the scanning service offered by the Kentucky Department of Libraries and Archives.</p>	<p><b>Effective:</b> 6/17/2015</p> <p><b>Revised:</b> 11/14/2016</p> <p><b>Reviewed:</b> 11/14/2016</p>

