

## *Standards Review Date*

<i>Category Name</i>	<i>Standards Review Date</i>
1. Computers	August
2. Operating System	November
3. Internet Browsers	February
4. Printers	August
5. Scanners	May
6. Software	August
7. Servers	November
8. Server Back Up	November
9. UPS	August
10. Virtualization	May
11. Communications Equipment	August
12. VoIP	November
13. Video Conferencing	November
14. Network Optimization	February
15. End Point Management	May

# WNYRIC Standards List as of November 2019

*\*Includes Instructional Technology (CSLO) Peripheral devices, for example: video cameras, digital cameras, document cameras, handheld devices, tablets, projectors etc.*

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**Category:**                    **1. Computers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Desktop B. Laptop C. Tablet D. Chromebook</b>		
<b>A, B, C</b>	Apple	
<b>A, B, C, D</b>	Acer	
<b>A, B, C, D</b>	Dell	
<b>A, B, C, D</b>	HP	
<b>A, B, C, D</b>	Lenovo	
<b>B</b>	BAK	Atlas only--NNI/Under Review 8/22/18
<b>B, C, D</b>	Asus	Added 11/12/14
<b>B, C, D</b>	Microsoft	Added 11/13/13
<b>D</b>	Samsung	Chromebook only

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**Category:**                      **2. Operating Systems**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Network</b>	Linux	Red Hat/Ubuntu --Actively supported version
<b>A. Network</b>	Micro Focus (formely Novell)	NNI 11/15/2017--Actively supported version
<b>A. Network</b>	VMWare	Actively supported version
<b>A. Network</b>	Windows	Actively supported version
<b>B. Workstations</b>	Chrome OS	Actively supported version
<b>B. Workstations</b>	Linux	Red Hat/Ubuntu--Actively supported version
<b>B. Workstations</b>	Mac OS X	Actively supported version
<b>B. Workstations</b>	Thin Zero Client	Actively supported version
<b>B. Workstations</b>	Windows	Actively supported version
<b>C. Tablets</b>	Android 3.1	OS, Applications and Hardware capability must be verified by Michelle Okal or Jan Mathis prior to purchase (Actively supported version)

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## C. Tablets

iOS4.1

OS, Applications and Hardware capability must be verified by Michelle Okal or Jan Mathis prior to purchase (Actively supported version)

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**Category:**                      **3. Internet Browsers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Chrome	Actively supported
	Edge	Added 2/15/17--Actively supported
	Firefox	Actively supported
	Internet Explorer	Actively supported
	Safari	Actively supported

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**Category:** 4. Printers

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. 3D</b>		Others as required or recommended by specific supported services/applications
<b>B. High Speed Networked Digital</b>	Canon	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Konica-Minolta	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Kyocera Mita	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Panasonic	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Ricoh	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>

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<b>B. High Speed Networked Digital</b>	Sharp	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Toshiba	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>B. High Speed Networked Digital</b>	Xerox	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers 18-19 <a href="https://main.wnyric.org/doc/Erie1Coo.nsf">https://main.wnyric.org/doc/Erie1Coo.nsf</a>
<b>C. Standard</b>		Others as required or recommended by specific supported services/applications
<b>C. Standard</b>	Dell	
<b>C. Standard</b>	Epson	
<b>C. Standard</b>	HP	
<b>C. Standard</b>	Lexmark	
<b>C. Standard</b>	Okidata	
<b>C. Standard</b>	PTM Document Systems	Print to mail units for Standards supported printers

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**C. Standard**                      Ricoh

**C. Standard**                      Xerox

**D. Large Format Printer**      HP



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**Category:**                      **5. Scanners**

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<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
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Others as required or recommended by  
specific supported services/applications

Canon

HP

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**Category:**                      **6. Software**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Anti Theft/Data Protection</b>	Absolute CompuTrace	
<b>B. Collaborative Software</b>	Exchange	
<b>B. Collaborative Software</b>	Lotus Notes	NNI 8/21/2019
<b>C. Desktop Image Protection</b>	Deep Freeze	Refer to WNYRIC End Point Management Best Practices
<b>C. Desktop Image Protection</b>	ZenWorks	Refer to WNYRIC End Point Management Best Practices
<b>D. Desktop Imaging</b>	Symantec Ghost	
<b>E. Malware Protection</b>	Computer Associates	
<b>E. Malware Protection</b>	McAfee	
<b>E. Malware Protection</b>	Microsoft Endpoint Protection	Updated 8/24/16
<b>E. Malware Protection</b>	Sophos	

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<b>E. Malware Protection</b>	Symantec	
<b>F. Office Productivity</b>	File Maker Pro	
<b>F. Office Productivity</b>	Microsoft Office Suite	Or its components
<b>F. Office Productivity</b>	OpenOffice	
<b>G. Printer Management</b>	Papercut MF	Added 11/18/15
<b>G. Printer Management</b>	Print Manager Plus	
<b>H. Terminal Servers</b>	Citrix	
<b>H. Terminal Servers</b>	Microsoft	

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**Category:**                      **7. Servers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Standard</b>	Dell	
<b>A. Standard</b>	HP	
<b>A. Standard</b>	Lenovo	Updated 11/18/15
<b>B. SAN</b>		Others as required or recommended by specific supported services/applications
<b>B. SAN</b>	Dell	Updated 8/23/17
<b>B. SAN</b>	HP	Updated 8/23/17

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**Category:**                      **8. Server Backup**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Hardware</b>	Dell	
<b>A. Hardware</b>	Exagrid	
<b>A. Hardware</b>	HP	
<b>A. Hardware</b>	IdealStor Backup Appliance Hardware Solutions	Hardware only: Teralyte, FraneNAS, and the IdealStor Backup appliance - excludes iBac product
<b>A. Hardware</b>	Internal Tape Backup recommended by manufacturer	
<b>B. Software</b>	ARCServ	
<b>B. Software</b>	Backup Exec	
<b>B. Software</b>	NovaStor	
<b>B. Software</b>	Paragon Backup and Restore	Added 11/12/14

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<b>B. Software</b>	Retrospect MAC OSX	
<b>B. Software</b>	Veeam Backup	Updated 2/14/18
<b>B. Software</b>	Yosemite/Novanet	NNI 2/14/2018

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**Category:**                      **9. UPS**

<b>Sub Category</b>	<b>Item</b>	<b>Comments</b>
	APC	Added 5/4/16--Updated 5/1/19: New installs designed to be plugged into existing outlet (Excludes hard wired solutions)

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**Category:**                      **10. Virtualization**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Desktop Application</b>	Oracle Virtual Box	
<b>A. Desktop Application</b>	Parallel	
<b>A. Desktop Application</b>	Spoon Virtual Application Studio	
<b>A. Desktop Application</b>	VMWare Fusion	
<b>B. Private Cloud</b>	Classlink-Launchpad	
<b>B. Private Cloud</b>	WebNetwork-Stoneware	
<b>C. Workstations</b>	nComputing	NNI 8/2/12019



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**Category:** **11. Communications Equipment\*\***

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Routers/Switches</b>	Avaya/Extreme	(formely Avaya) Updated 8/2/2019
<b>A. Routers/Switches</b>	Cisco	
<b>A. Routers/Switches</b>	Cisco Meraki Cloud Managed Switch Gear	Added 11/12/14--Must consult with WNYRIC WAN Senior Engineer prior to purchase.
<b>A. Routers/Switches</b>	Dell	
<b>A. Routers/Switches</b>	HPE/Aruba	
<b>A. Routers/Switches</b>	Juniper	
<b>B. Wireless Access Points</b>	Aruba	
<b>B. Wireless Access Points</b>	Avaya/Extreme	(formely Avaya) Updated 8/21/2019
<b>B. Wireless Access Points</b>	Cisco	
<b>B. Wireless Access Points</b>	Fortinet (formerly Meru)	Updated 8/23/17--Meru was acquired by Fortinet
<b>B. Wireless Access Points</b>	Meraki/Cisco	

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**C. Wireless Bridge**                      LigoWave

**C. Wireless Bridge**                      Ubiquiti

**D. VPN**                                      Cisco ASA                      Added 5/1/19

**D. VPN**                                      Fortinet Fortigate                      Added 5/1/19--Must Consult with WAN/LAN senior for sizing and requires district sign off for VPN use only (any work not related to VPN would be billable)

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**Category:** 12. VoIP

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Avaya	Updated 11/13/13
	Cisco	
	Mitel	as of 8/22/2018

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**Category:** *13. Video Conferencing*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Hardware Appliance Based</b>	Cisco Tandberg Videoconferencing	
<b>A. Hardware Appliance Based</b>	Polycom Videoconferencing	
<b>B. Software Based</b>	Webex	Added 11/15/17
<b>B. Software Based</b>	Zoom	Added 11/15/17

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**Category:** *14. Network Optimization*

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<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
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	Vmware Vcenter Operations Manager	
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**Category:**                      **15. End Point Management**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Faronics Deep Freeze Cloud Connector	
	IBM TEM	Tivioli Endpoint Management--NNI 8/21/2019
	Impero	Accessible on local network only
	JAMF Casper Suite	Added 2/11/15
	Lansweeper	Added 11/16/16
	SCCM	2012 SP1 and newer