

Standards Review Date

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WNYRIC Standards List as of August 2020

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Category: **1. Computers**

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

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Category: *2. Operating Systems*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Network	Linux	Red Hat/Ubuntu Actively supported version
	Micro Focus (formerly Novell)	NNI 11/15/2017 Actively supported version
	VMWare	Actively supported version
	Windows	Actively supported version Includes MS Hyper V
B. Workstations	Chrome OS	Actively supported version
	Linux	Red Hat/Ubuntu Actively supported version
	Mac OS X	Actively supported version
	Thin Zero Client	Actively supported version
	Windows	Actively supported version
C. Tablets	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 version
	Edge	Added 2/15/17 Actively supported version
	Firefox	Actively supported version
	Internet Explorer	Actively supported version
	Safari	Actively supported version

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Category: **4. Printers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. 3D		Updated 8/19/2020: Per OCM 220-38 bid
B. High Speed Networked Digital	Canon	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf
	Konica-Minolta	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf
	Kyocera Mita	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf
	Panasonic	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf
	Ricoh	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf
	Sharp	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf
	Toshiba	Selected models that are listed on the Erie 1 BOCES bid High Speed Printers https://main.wnyric.org/doc/Erie1Coo.nsf

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B. High Speed Networked Digital

Xerox

Selected models that are listed on the Erie 1 BOCES bid High Speed Printers
<https://main.wnyric.org/doc/Erie1Coo.nsf>

C. Standard

Others as required or recommended by specific supported services/applications

Dell

Epson

HP

Lexmark

Okidata

PTM Document Systems

Print to mail units for Standards supported printers

Ricoh

Xerox

D. Large Format Printer

HP

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Category: **5. Scanners**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
		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>
A. Anti Theft/Data Protection	Absolute Computrace	
B. Collaborative Software	Exchange	
	Lotus Notes	NNI 8/29/2019
C. Desktop Image Protection	Deep Freeze	Refer to WNYRIC End Point Management Best Practices
	ZenWorks	Refer to WNYRIC End Point Management Best Practices
D. Desktop Imaging	Broadcom (Formely Symantec Ghost)	Updated 8/19/2020
E. Malware Protection	Broadcom (formely Symantec)	Updated 8/19/2020
	Computer Associates	NNI 8/19/2020
	McAfee	
	Microsoft Endpoint Protection	Updated 8/24/16
	Sophos	

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F. Office Productivity

File Maker Pro

Microsoft Office Suite

Or its components

OpenOffice

G. Printer Management

Papercut MF

Added 11/18/15

Print Manager Plus

H. Terminal Servers

Citrix

Microsoft

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Category: *7. Servers*

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

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Category: **8. Server Backup**

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

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B. Software

Veeam Backup Updated 2/14/18

Yosemite/Novanet NNI 2/14/2018

C. Cloud

Veeam Backup for O365 Added 8/19/2020

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Category: **9. UPS**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	APC	Added 5/4/16--Updated 5/1/19: New isntalls designed to be plugged into existing outlet (excludes hard wired solutions). Does incude Dell re-branded APC UPS units.

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Category: **10. Virtualization**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Desktop Application	Parallel	
	VMWare	Updated 8/19/2020-removed word Fusion
B. Private Cloud	Classlink-	

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Category: *11. Communications Equipment***

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Routers/Switches	Avaya/Extreme	Formely Avaya Updated 8/2/2019
	Cisco	
	Cisco Meraki Cloud Managed Switch Gear	Added 11/12/14: Must consult with WNYRIC WAN Senior Engineer prior to purchase. NNI 2/12/20 NNI 2/12/20
	Dell	
	HPE/Aruba	
	Juniper	
B. Wireless Access Points	Aruba	
	Avaya/Extreme	Formely Avaya Update 8/21/2019
	Cisco	
	Fortinet (formerly Meru)	Updated 8/23/17: Meru was acquired by Fortinet
	Meraki/Cisco	

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C. Wireless Bridge

LigoWare

Ubiquiti

D. VPN

Cisco ASA

Added 5/1/19

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	Added 8/22/2018

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Category: *13. Video Conferencing*

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

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Category: *14. Network Optimization*

Sub Category

Item

Comments

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	
	Impero	Accessible on local network only
	JAMF Casper Suite	Added 2/11/15
	Lansweeper	Added 11/16/16
	SCCM	2012 SP1 and newer