

# WNYRIC Standards List as of November 2021

*\*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/Chromebox</b>		Updated 8/18/2021
<b>A., B., C</b>	Apple	
<b>A., B., C., D</b>	Acer	
	Dell	
	HP	
	Lenovo	
	Microsoft	Added 11/13/13 Updated 8/18/21
<b>B.</b>	BAK	Atlas only; NNI under review 8/22/18
<b>B., C., D</b>	Asus	Added 11/12/14
<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
	VMWare	Actively supported version
	Windows	Actively supported version Includes MS Hyper V
<b>B. Workstations</b>	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
<b>C. Tablets</b>	Android	OS, Applications and Hardware capability must be verified by Michelle Okal or Jan Mathis prior to purchase (Actively supported version)
	iOS	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**

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**Sub Category**

**Item**

**Comments**

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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>
<b>A. 3D</b>		Updated 8/18/21; Per OCM Bid 221-32 or as approved by CSLO
<b>B. High Speed Networked Digital</b>		Updated 8/18/21--Selected models that are listed on the Erie 1 BOCES bid High Speed Printers: <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
	Dell	
	Epson	
	HP	
	Lexmark	
	Okidata	NNI 8/18/21
	PTM Document Systems	Print to mail units for Standards supported printers--NNI 8/18/21
	Ricoh	
	Xerox	

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**D. Large Format Printer**

HP

Updated 8/18/21: As approved by CSLO

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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>C. Desktop Image Protection</b>	Deep Freeze	Refer to WNYRIC End Point Management Best Practices
	ZenWorks	Refer to WNYRIC End Point Management Best Practices--NNI 8/18/21
<b>D. Desktop Imaging</b>	Broadcom (formerly Symantec Ghost)	Updated 8/19/2020
<b>E. Malware Protection</b>	Broadcom (formerly Symantec Ghost)	Updated 8/19/2020
	Computer Associates	NNI 8/19/2020
	McAfee	
	Microsoft Endpoint Protection	Updated 8/24/16
	Sophos	
<b>F. Office Productivity</b>	File Maker Pro	

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## **F. Office Productivity**

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>
<b>A. Standard</b>	Dell	
	HP	
	Lenovo	Updated 11/18/15
<b>B. SAN</b>		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>
<b>A. Hardware</b>	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>B. Software</b>	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

## **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 installs designed to be plugged into existing outlet (excludes hard wired solutions).Does include Dell re-branded APC UPS units.
	Liebert	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>	Parallel	
	VMWare (formerly VMWare Fusion)	Updated 8/19/2020
<b>B. Private Cloud</b>	Classlink	

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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	Formerly 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
	Dell	
	HPE/Aruba	
	Juniper	Added 5/3/2017; NNI 11/18/2020
<b>B. Wireless Access Points</b>	Aruba	
	Avaya/Extreme	Formerly 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

LigoWave

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*

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<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
<b>A. Hardware Appliance Based</b>	Cisco Webex (formerly Cisco Tandberg)	Updated 11/18/2020
	Polycom Videoconferencing	
<b>B. Software Based</b>	Webex	Added 11/15/17
	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	
	Impero	Accessible on local network only
	JAMF	Added 2/11/15--Updated 8/18/21
	Lansweeper	Added 11/16/16
	SCCM	2012 SP1 and newer