

WNYRIC Standards List as of November 2022

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

***At least 2 districts from 2 separate BOCES must complete an Add Form for categories Communications Equipment and VoIP. Both districts must complete a Proof of Concept and report back to the Standards Committee.*

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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/Chromebox		Updated 8/18/2021
A., B., C	Apple	
A., B., C.	Microsoft	Added 11/13/13 Updated 8/18/21
A., B., C., D	Acer	
	Dell	
	HP	
	Lenovo	
B., C., D	Asus	Added 11/12/14
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
	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	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*

Sub Category

Item

Comments

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 8/18/21; Per OCM Bid 222-45 or as approved by CSLO
B. High Speed Networked Digital		Updated 8/18/21--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	
	Ricoh	
	Xerox	
D. Large Format Printer	HP	Updated 8/18/21: As approved by CSLO

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Category: **5. Scanners**

<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>
A. Anti Theft/Data Protection	Absolute Computrace	
B. Collaborative Software	Exchange	
C. Desktop Image Protection	Deep Freeze	Refer to WNYRIC End Point Management Best Practices
	ZenWorks	Refer to WNYRIC End Point Management Best Practices--NNI 8/18/21
D. Desktop Imaging	Broadcom (formerly Symantec Ghost)	Updated 8/19/2020
E. Malware Protection		EDR & MDR NextGen products will be available through the WNYRIC Cybersecurity Service with optional 24/7 vendor products.
	Broadcom (formerly Symantec Ghost)	Updated 8/19/2020
	Computer Associates	NNI 8/19/2020
	McAfee	
	Microsoft Endpoint A3	Updated 8/24/16; Revised 8/18/22

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E. Malware Protection

Sophos

F. Office Productivity

File Maker Pro

Microsoft Office
Suite

Or its components

OpenOffice

G. Printer Management

Papercut MF

Added 11/18/15

H. Terminal Servers

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
	Veeam Backup	Updated 2/14/18

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C. Cloud

Veeam Backup for Added 8/19/2020
O365

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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>
A. Desktop Application	Parallel	
	VMWare (formerly VMWare Fusion)	Updated 8/19/2020
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	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. Wireless Access Points	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; NNI 11/16/2022
	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 Webex (formerly Cisco Tandberg)	Updated 11/18/2020
	Polycom Videoconferencing	
B. Software Based	Webex	Added 11/15/17
	Zoom	Added 11/15/17

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Category: *14. Network Optimization*

<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 (formerly JAMF Casper Suite)	Added 2/11/15--Updated 8/18/21
	Lansweeper	Added 11/16/16
	SCCM	2012 SP1 and newer