

TECH COMMITTEE

Monday, December 19, 2022

AGENDA

Infrastructure

Cyber Security

Department

Website

NIST Standards

INFRASTRUCTURE

Previous meeting

- Phone System Server (Call Manger) EOL June 2023, \$47,000 to upgrade hardware and software. Budget is in place.
- Replace 1 of 3 Virtual Hosting Servers that is EOL June 2023. Budget in place. Other hosts EOL in 2025. Budgeted.
- Replace SAN (Storage Area Network) EOL June 2023.
- Core Edge Switches EOL October 20~~25~~, 2023, for security patches.
- Wi-Fi EOL January 2025

Update

- Phone system server order is processed. Waiting on ETA for equipment.
- Virtual host has been ordered and is in. Looking to replace unit after break.
- Waiting on prices for SAN, eta replacement is July 1, 2023

CYBER SECURITY UPDATES

Previous meeting

- We plan to segment our network and migrate devices to the DMZ (demilitarized zone). DMZ is a buffer between our network and the internet, but still protected by our firewall.
- Last year we migrated our guest network to the DMZ and migrated from WPA2 (Wireless Protected Access) PSK (Pre-Shared Key), implementing MAC based authentication for the guest network.
- We are replacing WPA2 PSK with WPA EAP 802.1x, more secure, for District devices.
- We will reconfigure our internal networks ACL (Access Control List) to regulate access between network segments (filter communication between buildings).

Update

- Meeting with Aspire one (vendor performing work) next week to discuss work to be performed for DMZ and ACL.
- Aspire finished Certificate structure which is active and is in place for WPA EAP 802.1x wireless on Windows devices.

NEW TO THE DEPARTMENT

The Board of Education approved the appointment of Vincent Detoro as the Field Service Technician.

Vincent is assigned to the HS.



MEET THE TEAM

Larry Hanke (HS)
Network Support
Specialist 2



Julie Tilly (OES and
LES)
Field Service
Technician



Vincent Detoro (HS)
Field Service
Technician



Lori Todd (MS)
Field Service
Technician



Samanta Rivera
(LES and PES)
Field Service
Technician



Barbara Raymond
(HS)
Computer Teacher
Aide



Alex Radcliffe (MS)
Computer Teacher
Aide



WEBSITE

- Blackboard (former company) has been acquired by FinalSite in September.
- We have until December 31, 2025, to convert to FinalSite's template or switch vendors.
- FinalSite offers six templates to choose from.
- <https://www.finalsite.com/themes>
passkey is themes.



NIST STANDARDS FOR ED LAW 2D

CIS Control 1 – Devices - Inventory and Control of Hardware Assets

Actively manage (inventory, track, and correct) all enterprise assets (end-user devices, including portable and mobile; network devices; non-computing/Internet of Things (IoT) devices; and servers) connected to the infrastructure physically, virtually, remotely, and those within cloud environments, to accurately know the totality of assets that need to be monitored and protected within the enterprise. This will also support identifying unauthorized and unmanaged assets to remove or remediate.

Control 1.1 - Establish and Maintain Detailed Asset Inventory (NIST ID.AM-1, PR.DS-3)

- Establish and maintain an accurate, detailed, and up-to-date inventory of all enterprise assets with the potential to store or process data, to include:
 - end-user devices (including portable and mobile)
 - network devices
 - non-computing/IoT devices
 - servers
- Ensure the inventory records:
 - the network address (if static)
 - hardware address
 - machine name
 - data asset owner
 - department for each asset
 - whether the asset has been approved to connect to the network.
 - For mobile end-user devices, MDM type tools can support this process, where appropriate.
- This inventory includes assets connected to the infrastructure physically, virtually, remotely, and those within cloud environments.
- Additionally, it includes assets that are regularly connected to the enterprise's network infrastructure, even if they are not under control of the enterprise.
- Review and update the inventory of all enterprise assets bi-annually, or more frequently.

Control 1.2 – Devices - Address Unauthorized Assets

- Ensure that a process exists to address unauthorized assets on a weekly basis.
- The enterprise may choose to remove the asset from the network, deny the asset from connecting remotely to the network, or quarantine the asset.

- Establish and maintain an accurate, detailed, and up-to-date inventory of all enterprise assets with the potential to store or process data, to include:
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 - non-computing/IoT devices
 - servers

Viewing All Assets × Save View Duplicate Asset Tag Label × Export							
<input type="checkbox"/> Group by <input checked="" type="checkbox"/> Show Filter							
<input type="checkbox"/>	Asset Tag	Asset Description	Serial Number	Purchase Order	Location	Site	Asset Tag
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	101138	HP LASERJET 4250N	USBXX07912		101	JGBMS	HPLJ4250
<input type="checkbox"/>	101039	HP DESKJET PRINTER 5550	MY29R1J1JD2L		4	PES	HPDJ5550
<input type="checkbox"/>	102288	Projection Screen	102288		DATACENTER	WSHS	DRAPERS
<input type="checkbox"/>	102287	Projection Screen	102287		DATACENTER	WSHS	DRAPERS
<input type="checkbox"/>	006722	HP LASERJET 5500	JPGR001749		T106	WSHS	HPLJ5500
<input type="checkbox"/>	006482	UPS	AS0317330240		IDF2 WSHS	WSHS	APCUPS
<input type="checkbox"/>	006396	HP LASERJET 4200	USBNS02059		305	JGBMS	HPLJ4200
<input type="checkbox"/>	006399	HP LASERJET 5500	JPGR001084		305	JGBMS	HPLJ5500
<input type="checkbox"/>	006586	HP DeskJet 800	SG32D3102N		T108	WSHS	HPDJET800
<input type="checkbox"/>	006725	DELL FLATPANEL 19	CNOC06464663341E1M6L		DATACENTER	WSHS	DELLFP19
<input type="checkbox"/>	003795	SCANNER	013475		Missing/Stolen Items	WSHS	SCANNER
<input type="checkbox"/>	005686	HP LASERJET 1200	CNDX060984		301	JGBMS	HPLJ1200
<input type="checkbox"/>	101560	ABC Scanner 1000	CUA1000M2U		CL2	JGBMS	ABC1000

Viewing
All Assets
Save View
Duplicate
Asset Tag Label
Export

☐ Group by
☒ Show Filter

<input type="checkbox"/>	Asset Tag	Asset Description	Serial Number	Purchase Order	Location	Site	Asset Tag
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	101138	HP LASERJET 4250N	USBXX07912		101	JGBMS	HPLJ4250
<input type="checkbox"/>	101039	HP DESKJET PRINTER 5550	MY29R1J1JD2L		4	PES	HPDJ5550
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<input type="checkbox"/>	006396	HP LASERJET 4200	USBNS02059		305	JGBMS	HPLJ4200
<input type="checkbox"/>	006399	HP LASERJET 5500	JPGR001084		305	JGBMS	HPLJ5500
<input type="checkbox"/>	006586	HP DeskJet 800	SG32D3102N		T108	WSHS	HPDJET800
<input type="checkbox"/>	006725	DELL FLATPANEL 19	CNOC06464663341E1M6L		DATACENTER	WSHS	DELLFP19
<input type="checkbox"/>	003795	SCANNER	013475		Missing/Stolen Items	WSHS	SCANNER
<input type="checkbox"/>	005686	HP LASERJET 1200	CNDX060984		301	JGBMS	HPLJ1200
<input type="checkbox"/>	101550	APC Smart-UPS 1000	SLA1000P12U		CL2	JGBMS	APC1000

- We inventory items to keep track for purchasing and insurance purposes.
- Items inventoried are items that are over \$200.00 or items that must be tracked for grant purposes.



View/Edit Asset

An asset generally has a value in the market, generates revenue, has a maintenance or calibration cost, depreciates over time, has a useful lifespan and has a salvage value.

- General
- Purchase Details
- Depreciation
- Contracts
- Attachments
- Maintenance
- History
- Geo Location

Asset Information

Checked out to **Employee Tiffany Scofield**

Check In

*Asset Tag

*Asset Type

Asset Description

Serial Number

Manufacturer

Model

Category Name

Condition

Owner Name

Warranty Provider

Warranty Begin Date

Warranty End Date

WiFi Mac Address

LAN Mac Address



Attach Photo



CIS Controls®

Version 8

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Vlan configurations
Wallkill Senior High School
WS4500
Cisco NG Firewall
HS-MDF-2960X-Sw1
HS-MDF-2960X-Sw2
HS-MDF-2960X-Sw3
HS-MDF-2960X-Sw4
HS-MDF-2960X-Sw5
HS-MDF-2960X-Sw6
Tech Office
HS-IDF2-2960X-stack
HS-IDF3-2960X-stack
HS-IDF4-2960X-SW1
HS-Field
HS Press box
HS Field West
Virtual
District Office
DO-2ndFL-SW1
DO-MDF-SW1 1500
DO-MDF-SW2
Plainsrd
PR-MDF-SW1
JGBMS
WCSD-MS-4500X-Core
MS-BDF-2960X-Sw1
MS-BDF-2960X-Sw2
MS-BDF-2960X-Sw3
MS-IDF1-2960X-stack
MS-IDF2-2960X-Sw1
MS-IDF3-2960X-stack
Leptondale
WCSD-LEP-4500X-Core
LEP-BDF-2960X-Sw1
LEP-BDF-2960X-Sw2
LEP-BDF-2960X-Sw3
LEP-IDF1-2960X-stack
LEP-IDF2-2960X-stack

Building	Room	model	serial #	MAC	Floor	Switch Port	Patch Panel label
DO		27002I	F2TJ	00:35:1a:ae:ee:08	DO-1	MDF 2/0/36	109A
DO	1st Floor	27002E	FJC2012F66M	00:35:1a:8b:a4:74	1st	MDF	
DO	2nd Floor	27002I	N40S	00:35:1a:32:05:98	DO-AP1	Sw2 1/0/6	116
DO	2nd Floor	2702I	FCW1952NMTM	00:f2:8b:4d:00:e0		MDF SW2 2/0/15	130a
DO	Lower Level	2702I	FCW1952NMxx	00:f2:8b:89:27:08		1 MDF Sw2 19	
JGBMS	100	2702I	NPPX	00:f2:8b:4d:0b:30	1	MDF SW2 1/0/11	PPB-6
JGBMS	101	2702E	F6BA	00:c8:8b:e8:30:14	1	IDF1 1/0/24	PPA-36
JGBMS	102	2702E	F6AG	00:c1:64:a3:e3:c4	1	IDF1 1/0/33	PPB-18
JGBMS	103	2702E	F6BC	00:c1:64:a3:da:c0	1	IDF1 1/0/8	109
JGBMS	104	2702E	F6B8	00:c8:8b:e8:30:6c	1	IDF1 1/0/4	107A
JGBMS	105	2702E	F69T	00:c8:8b:a8:79:f0	1	IDF1 1/0/43	105E
JGBMS	106	2702E	F6CY	00:c8:8b:a8:7d:f0	1	IDF1 1/0/23	103C
JGBMS	107	2702E	F2TK		1	IDF1 1/0/9	101E
JGBMS	200	2702I	N2YJ	00:35:1a:8d:f3:14	2	IDF2 2/0/26	214A
JGBMS	201	2702I	N4JZ	00:35:1a:32:06:c4	2	IDF2 1/0/7	216A
JGBMS	202	2702I	N30A	00:35:1a:ae:e8:9c	2	IDF2 2/0/20	212A
JGBMS	203	2702I	N309	00:35:1a:32:03:d8	2	IDF2 1/0/23	218A
JGBMS	204	2702I	N30C	00:35:1a:ae:ed:0c	2	IDF2 2/0/22	210D
JGBMS	205	2702I	N2ZF	00:35:1a:ae:ed:a4	2	IDF2 1/0/39	220
JGBMS	206	2702I	N2RF	00:35:1a:09:3c:08	2	IDF2 2/0/25	
JGBMS	207	2702I	N308	00:35:1a:ae:ed:a0	2	IDF2 2/0/23	207
JGBMS	208	2702I	N2QG	00:35:1a:46:8f:28	2	IDF2 2/0/24	205C
JGBMS	209	2702E	56CX	00:c8:8b:a8:79:ec	2	IDF1 2/0/11	202C
JGBMS	211	2702E	56CU	00:35:1a:8b:a4:84	2	IDF1 2/0/27	203E
JGBMS	212	2702E	F6BC	00:c1:64:a3:da:b8	2	IDF1 2/0/41	206A
JGBMS	213	2702E	F6CU	00:c8:8b:f2:79:18	2	IDF1 2/0/16	208E
JGBMS	214	2702I	NRXX	00:f2:8b:4d:10:30	2	IDF1 2/0/14	213A
JGBMS	215	2702E	F6DH	00:35:1a:63:0c:7c	2	IDF1 2/0/30	210D
JGBMS	216	2702E	56CZ	00:35:1a:63:0a:b4	2	IDF1 2/0/48	212E
JGBMS	300	2702I	N440	00:35:1a:8d:fe:9c	3	IDF3 2/0/2	PPB-10
JGBMS	301	2702I	N45F	00:35:1a:8a:f5:98	3	IDF3 2/0/16	311A
JGBMS	302	2702I	N3W5	00:35:1a:ae:ef:74	3	IDF3 1/0/28	316A
JGBMS	303	2702I	N45A	00:f2:8b:f4:6c:58	3	IDF3 1/0/28	307A
JGBMS	304	2702I	N3VT	00:35:1a:ae:ef:34	3	IDF3 2/0/11	317
JGBMS	307	2702I	N448	00:35:1a:8a:f5:ac	3	IDF3 2/0/15	331C
JGBMS	308	2702I	N4KA	00:35:1a:ae:f4:e0	3	IDF3 2/0/48	320E
JGBMS	309	2702I	N40X	00:35:1a:32:04:4c	3	IDF3 2/0/4	PPC-5
JGBMS	310	2702I	N45B	00:35:1a:8a:f5:d8	3	IDF3 2/0/7	PPC-36
JGBMS	311	2702I	N3XW	00:35:1a:46:9c:e0	3	IDF3 2/0/3	PPC-6
JGBMS	312	2702I	N4AU	00:35:1a:09:49:fc	3	IDF3 2/0/47	PPC-24
JGBMS	AUD LT	2702E	F6AF	00:35:1a:8b:ab:88	1	IDF2 1/0/8	222A
JGBMS	AUD MD	2702E	F6AB	00:c8:8b:a8:82:3c	1	IDF2 1/0/6	PPC-27
JGBMS	AUD RT	2702E	F69V	00:c8:8b:e8:31:7c	1	IDF2 2/0/47	PPA-14
JGBMS	CAFE	2702I	NRXT	00:f2:8b:8f:82:24	1	MDF SW2 1/0/33	128
JGBMS	CAFE 2	2702I	NRXZ	00:fe:c8:97:6fec	1	MDF SW2 1/0/45	PPB-24



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HoneyWell									
<u>Ip Range</u>									
172.23.11.200 -250									
administrator/H0n3yw3!!									
EBI inside	172.23.11.200								
EBI Oustide	64.75.78.58								
Honeywell Remote PC									
Honeywell Remote PC									
<u>Controllers</u>									
Device Name	Level/ Floor	Area/ Room	Station/ Controller Number	Network Number	BACnet Instance ID	IP Address	NEW IP September 2015	IP MAC Address:	IP Port Info
EBI Server	1	Room 118				10.10.6.50	172.23.11.200	C8-1F-66-CB-13-B9	
CPO Server	2	Auditorium				10.10.6.62	172.23.11.201	34-17-EB-C0-6A-74	
WSHS_Aud_Lby	1	Auditorium Lobby	1	100	901000	10.10.6.61	172.23.11.211	00-30-AF-20-07-5B	
WSHS_Aud_Stg	1	Back Stage	2	100	902000	10.10.6.52	172.23.11.202	00-40-84-03-78-A2	
WSHS_East_Gym	1	Gym (EAST)	3	100	903000	10.10.6.53	172.23.11.203	00-40-84-03-B5-B4	
WSHS_West_Gym	1	Gym (WEST)	4	100	904000	10.10.6.54	172.23.11.204	00-40-84-03-78-0A	
WSHS_Guidence	1	Guidance Area	5	100	905000	10.10.6.55	172.23.11.205	00-40-84-03-B5-75	
WSHS_OldHX	0	Basement	6	100	906000	10.10.6.56	172.23.11.206	00-40-84-03-B5-2D	
WSHS_Cafe	1	Café Area	7	100	907000	10.10.6.57	172.23.11.207	00-40-84-03-78-9E	
WSHS_BoilerRm	0	Boiler Room	8	100	908000	10.10.6.58	172.23.11.208	00-40-84-03-63-2A	
WSHS_HX2	1	Office 108	9	100	909000	10.10.6.59	172.23.11.209	00-40-84-03-B5-5E	
CYPRESS GBC	1	Library IT Rm		100		10.10.6.60	172.23.11.210	00-60-50-5A-4F-7A	HS-IDF1-SW4
JGBMS_BoilerRm	1	Boiler Room	1	100	109800	10.10.6.68	172.23.11.218	00-40-84-03-78-12	
JGBMS_BoilerRm	1	Pentahouse	2	100	1096000	10.10.6.67	172.23.11.217	00-40-84-03-78-A1	
JGBMS_MechRm	1.5	Mech Room	3	100	109700	10.10.6.66	172.23.11.216	00-40-84-03-B5-32	
CYPRESS GBC	2	Rm 207	4	100		10.10.6.64	172.23.11.214	00-60-E0-5B-C8-66	MS-IDF2-SW2
WOES_BoilerRm	1	Boiler Room	1	100	137800	10.10.6.78	172.23.11.228	00-40-84-03-69-9D	OES-IDF1-SW1
WOES_RTU1	1	Storage	2	100	1376000	10.10.6.76	172.23.11.226	00-40-84-03-BA-76	
WOES_GymHVs	1	Gym	3	100	137700	10.10.6.77	172.23.11.227	00-40-84-03-69-9B	OES-IDF1-SW1
CYPRESS GBC	1	IT Closet Front	3	100	137700	10.10.6.74	172.23.11.224		OES-IDF2-SW3
WPES_BoilerRm	1	Boiler Room	1	100	1278000	10.10.6.88	172.23.11.238	00-40-84-03-69-9C	PES-IDF1-SW4
WPES_RTU_01	1	Elec Closet	2	100	1277000	10.10.6.87	172.23.11.237	00-40-84-03-7D-BD	PES-IDF1-SW5
CYPRESS GBC	1	IT Closet	2	100	1277114	10.10.6.84	172.23.11.234	00-60-E0-5B-F0-3B	PES-IDF1-SW5
WLES_BoilerRm	1	Boiler Room	1	100	488000	10.10.6.98	172.23.11.248	00-40-84-03-7D-B8	LES-IDF1-SW1
WLES_HX_RTU1	1	Computer Rm	2	100	487000	10.10.6.97	172.23.11.247	00-40-84-03-B5-B5	LES-MDF-SW1
CYPRESS GBC	1	Rm 10 IT		100	487131	10.10.6.94	172.23.11.244	00-60-E053-59-0F	LES-IDF1-SW1
WLES_GymHVs	1	Gym	3	100	486000	10.10.6.96	172.23.11.246	00-40-84-03-BA-13	LES-IDF2-SW2
Admin	B	Boiler Monitor	1	100		10.10.6.100	172.23.11.250		

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DNS Name	Outside IP	Mac	Location	OS	Model	Note
ADSync1			WSHS MDF	Server 2019		
APP	64.75.78.63	00:50:56:81:4a:03	WSHS MDF	Server 2012 R2	Virtual Machine	KSM, syslog,
APP4		00:50:56:81:7D:41	WSHS MDF	Server 2012 R2	Virtual Machine	Application Server
Attendance			WSHS MDF	Server 2016	Virtual Machine	Attendance
DC		00:50:56:be:52:08	WSHS MDF	Server 2019	Virtual Machine	Domain Controller
DC1		00:50:56:be:f4:16	WSHS MDF	Server 2019	Virtual Machine	Domain Controller
DC2			JGBMS MDF	Server 2019	Dell R330	Domain Controller
DHCP19		00:50:56:81:41:4e	WSHS MDF	Server 2019	Virtual Machine	DHCP server
EQ			WSHS MDF	Server 2019	Virtual Machine	Ricoh Authentication
EXCH		00:50:56:9e:42:83	WSHS MDF	Server 2008 R2 Datacenter	Virtual Machine	Exchange CAS
FortiAnalyzer			WSHS MDF	Server 2019	Virtual Machine	
FTRS			WSHS MDF	OVF	Virtual Machine	Dell VSM Agent for Vmware
MagicInfo Server			WSHS MDF	Server 2019	Virtual Machine	Signage Server
Netwrix		00:50:56:BE:50:BA	WSHS MDF	Server 2016	Virtual Machine	Audit Server
NPS			WSHS MDF	Server 2019	Virtual Machine	
NPS2		00:50:56:E:12:CF	WSHS MDF	Server 2019	Virtual Machine	
PitneyBowes			PlainsRD		Mail Machine	Mail Machine
RAD		00:50:56:81:27:1f	WSHS MDF	Server 2019	Virtual Machine	VEAM Backup Proxy\RADIUS\Certificate
SCCM		00:50:56:89:3E:65	WSHS MDF	Server 2012 R2 Datacenter	Virtual Machine	Virtual Infrastructure Management
SCCMDP		00:50:56:9e:30:1c	WSHS MDF	Server 2012 R2	Virtual Machine	SCCM deployment/WDS
SQL12		00:50:56:81:05:06	WSHS MDF	Server2012 R2	Virtual Machine	SQL server
SUBCA		00:50:56:BE:26:C9	WSHS MDF	Server 2019	Virtual Machine	
SUBCA2		00:50:56:BE:FC:9F	WSHS MDF	Server 2019	Virtual Machine	
SurebackupVM			WSHS MDF	Server 2019	Virtual Machine	Veeam Sure Backup
VcenterApp		00:50:56:9e:00:9f	WSHS MDF	Server 2019	Virtual Appliance	Vmware appliance
VEAMBU		90:B1:1C:0D:C6:DA	JGBMS MDF	Server 2008 R2 Standard	DELL 530	VEAM Backup server
VeeamProxy		00:50:56:81:12:74	WSHS MDF	Server 2019	Virtual Machine	Veeam Proxy Server
WDS		00:50:56:81:00:05	WSHS MDF	Server 2019	Virtual Machine	Windows Deployment Server



Control 1.1 - Establish and Maintain Detailed Asset Inventory (NIST ID.AM-1, PR.DS-3)

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 - servers

Constraints?

- Keeping track of mobile devices of personal users who access our network. We accomplished this using the guest Wi-Fi requirements.

<u>Lastname</u>	<u>Firstname</u>	<u>Building</u>	<u>Device</u>	<u>MAC</u>
Dommermuth	Kimberly	PR	Phone	94:5C:9A:0E:73:8B
Ferrailolo	Kyle	HS	Laptop	38:00:25:1a:b2:4c
Hall	Kenneth	MS	Laptop	28-CD-C4-72-46-61
Hanke	Monica	LES	Iphone	FC:AA:81:DC:A0:58
Hass	Alyson	PES	Laptop	B0:8C:75:6a:09:9D
Leonardi	Rebekah	LES	Android	00:3d:e8:e9:4e:06
Lysandrou	Maria	OES	Laptop	fc:e2:6c:04:of:23
Lysandrou	Maria	OES	Iphone	94:0c:98:71:84:4f
Mildner	Anne	MS	Laptop	B8-31-B5-9A-1C-44
Seelig	Adam	MS	Iphone	20:b8:68:bd:6C:C2
Stey	Kailen	PES	Iphone	2C:0E:3D:41:89:1A
Strano	Michael	HS	Laptop	14:5A:FC:1E:8D:D3
Vallaro	Jessica	PES	Laptop	48:d7:05:ca:c3:9f
Vallaro	Jessica	PES	Iphone	E8:A7:30:4C:04:74

CIS Control 1 – Devices - Inventory and Control of Hardware Assets

Actively manage (inventory, track, and correct) all enterprise assets (end-user devices, including portable and mobile; network devices; non-computing/Internet of Things (IoT) devices; and servers) connected to the infrastructure physically, virtually, remotely, and those within cloud environments, to accurately know the totality of assets that need to be monitored and protected within the enterprise. This will also support identifying unauthorized and unmanaged assets to remove or remediate.

Control 1.1 - Establish and Maintain Detailed Asset Inventory (NIST ID.AM-1, PR.DS-3)

- Establish and maintain an accurate, detailed, and up-to-date inventory of all enterprise assets with the potential to store or process data, to include:
 - end-user devices (including portable and mobile)
 - network devices
 - non-computing/IoT devices
 - servers
- **Ensure the inventory records:**
 - the network address (if static) ✓
 - hardware address ✓
 - machine name ✓
 - data asset owner ✓
 - department for each asset ✗
 - whether the asset has been approved to connect to the network ✗
 - For mobile end-user devices, MDM type tools can support this process, where appropriate.
- This inventory includes assets connected to the infrastructure physically, virtually, remotely, and those within cloud environments. ✓
- Additionally, it includes assets that are regularly connected to the enterprise's network infrastructure, even if they are not under control of the enterprise. ✓
- Review and update the inventory of all enterprise assets bi-annually, or more frequently. ✓

There isn't any formal approval process, however devices cannot access our network without a tech making the connection. The caveat is physical access. We will get more clarification.

We do not group by department however we name devices based on location, i.e., HS-GUID-XXXXXX

Control 1.2 – Devices - Address Unauthorized Assets

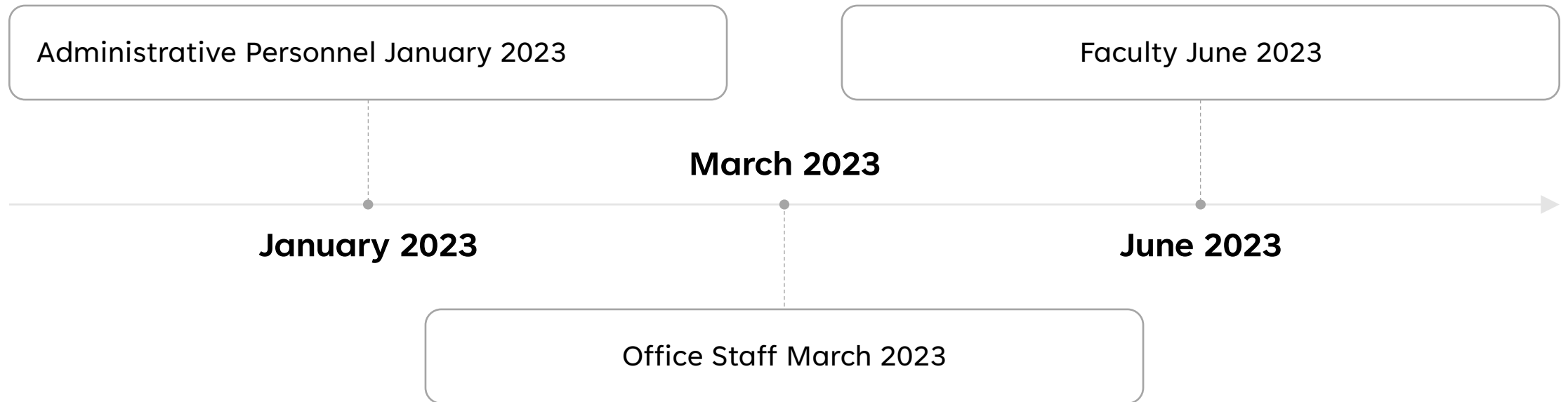
- Ensure that a process exists to address unauthorized assets on a weekly basis. ✓
- The enterprise may choose to remove the asset from the network, deny the asset from connecting remotely to the network, or quarantine the asset.



WORK TO BE DONE ON CIS CONTROLS 1.0

- Build habit in our recordkeeping, making sure to capture required asset information.
- Address physical access to network ports to prevent unauthorized devices.
-

MULTIFACTOR/2FA ROLLOUT



GUEST WI-FI FORM

[Guest Wi-Fi Form](#)

- Reduce communication issues between guest and technical services.
- Provide ample time to have configuration ready instead of when guest arrive.
- Better organization.



THANK YOU