

W2/1099's Library

Network Filter
VoIP
EMIS Fiber
Student Support
Data Storage Fiscal
WiFi

ACCESS COUNCIL

NOVEMBER ASSEMBLY MEETING - 2022

ASSEMBLY MEETING – November 4, 2022

- **Welcome**
- **Call to Order**
- **Roll Call**
- **Approve Agenda**
- **Approve Minutes of April 2022 Assembly Meeting**
- **Approve October 2022 Financial Reports**
- **Network Services**
- **Adjourn**

Financials for Approval

Reporting Period: October 2022 (FY 2023)

11/2/22 8:16 AM

ACCESS COUNCIL Cash Summary Report

Full Account Code	Description	Initial Cash	MTD Received	FYTD Received	MTD Expended	FYTD Expended	Fund Balance	Encumbrance	Unencumbered Balance
025-0000	COMPUTER NETWORK - DATA ACQUISITION	\$ 603,166.26	\$ 303,168.24	\$ 1,029,057.34	\$ 325,141.15	\$ 1,195,288.62	\$ 436,934.98	\$ 1,649,196.92	\$ (1,212,261.94)
025-903F	FIBER NETWORK MAINTENANCE/REPAIRS	401,150.83	0.00	0.00	0.00	0.00	401,150.83	0.00	401,150.83
025-9050	ACCESS ONENET SUBSIDY	197,332.56	51,300.00	51,300.00	17,271.58	89,809.58	158,822.98	0.00	158,822.98
025-905D	ACCESS DIOCESE STATE SUBSIDY	65,249.62	2,919.67	6,660.88	599.00	2,396.00	69,514.50	4,804.00	64,710.50
025-905E	ACCESS EMIS SUBSIDY	0.00	3,757.76	10,411.52	0.00	2,896.00	7,515.52	0.00	7,515.52
025-905H	COMPUTER NETWORK - HUNTINGTON TRUST	3,177.05	0.00	0.00	0.00	0.00	3,177.05	0.00	3,177.05
499-9023	BROADBAND OHIO STATE GRANT	0.00	0.00	44,000.00	0.00	44,000.00	0.00	0.00	0.00
Grand Total		\$ 1,270,076.32	\$ 361,145.67	\$ 1,141,429.74	\$ 343,011.73	\$ 1,334,390.20	\$ 1,077,115.86	\$ 1,654,000.92	\$ (576,885.06)

FINANCIAL UPDATE – Brian Stidham, Treasurer

FY2023 Projections All Funds

■ Beginning Balance	\$1,270,076.32
■ Revenues	\$3,868,821.31
■ Expenses	\$3,944,964.04
■ Projected Ending Balance	\$1,193,933.59
■ Less Fiber Fund	\$501,150.83
■ Unreserved Ending Balance	\$692,782.76

ACCESS COUNCIL

Forecast as of 11/4/2022

FY2022 - FY2026

	Actual			Estimated			
	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<u>Beginning Balance</u>	<u>1,008,282.27</u>	<u>876,889.07</u>	<u>1,036,315.82</u>	<u>1,270,076.32</u>	<u>1,193,933.59</u>	<u>1,277,203.45</u>	<u>1,225,879.15</u>
<u>Revenues</u>							
Interest	11,603.83	1,799.62	3,824.89	14,500.00	14,500.00	14,500.00	14,500.00
Rents	12,000.00	12,000.00	12,000.00	12,000.00	-	-	-
Internet Services to Non-members	184,922.70	223,118.81	244,646.74	255,000.00	255,000.00	255,000.00	255,000.00
Wireless Services to Non-members	-	628.09	1,972.20	628.09	628.09	628.09	628.09
Chargeback to Commercial Partner	145,943.12	139,192.57	183,407.34	135,000.00	135,000.00	135,000.00	135,000.00
Internet/Other Services to Districts	830,130.05	880,911.27	845,110.85	1,324,289.86	1,324,289.86	1,324,289.86	1,324,289.86
Servers/Storage from Districts	9,467.87	38,681.98	242,126.64	12,241.00	12,241.00	12,241.00	12,241.00
Voice Receipts from Districts	233,145.24	232,329.72	302,146.14	370,000.00	370,000.00	370,000.00	370,000.00
Wireless Receipts from Districts	43,332.73	39,201.78	35,845.91	35,850.00	35,850.00	35,850.00	35,850.00
Misc Receipts	82.16	6,715.08	6,304.39	-	-	-	-
Subsidy-Restricted Grants in Aid	160,808.43	160,698.91	159,799.51	159,799.51	186,249.11	186,249.11	186,249.11
Erate Voice receipts	-	-	-	-	-	-	-
Erate Wireless Receipts	130,606.67	93,874.01	161,292.14	80,000.00	80,000.00	80,000.00	80,000.00
Erate Internet Receipts	1,047,657.63	1,127,674.41	1,152,378.66	1,150,000.00	1,150,000.00	1,150,000.00	1,150,000.00
Refund of Pr Yr Expenditure	4,410.58	41,649.99	32,491.66	100.00	100.00	100.00	100.00
Fiber Fund Transfer In	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
One Net Subsidy from Districts	172,800.00	171,000.00	167,400.00	167,400.00	167,400.00	167,400.00	167,400.00
Diocese Services Receipts	13,834.19	17,628.02	15,367.98	15,116.90	15,116.90	15,116.90	15,116.90
Erate Diocese	12,105.76	7,104.68	15,085.08	15,066.10	15,066.10	15,066.10	15,066.10
EMIS Subsidy	21,926.54	22,024.15	21,072.82	21,829.85	21,829.85	21,829.85	21,829.85
<u>Total Revenues</u>	<u>3,134,777.50</u>	<u>3,316,233.09</u>	<u>3,702,272.95</u>	<u>3,868,821.31</u>	<u>3,883,270.91</u>	<u>3,883,270.91</u>	<u>3,883,270.91</u>

	Actual			Estimated			
	FY20	FY21	FY22	FY23	FY24	FY25	FY26
Salaries	852,166.75	872,682.16	893,445.78	984,255.84	1,035,776.70	1,043,968.59	1,050,530.00
Benefits	381,330.08	380,375.28	385,291.04	481,341.09	514,566.37	529,315.23	544,467.70
Purchased Services	1,093,168.07	1,120,106.90	1,001,769.13	1,127,388.17	969,562.55	961,872.53	962,218.36
Supplies	651,579.54	512,945.94	765,676.72	846,994.54	841,760.92	855,204.34	871,254.14
Fees/Dues	32,945.85	56,449.16	56,435.90	64,022.00	63,760.00	64,160.00	64,160.00
Capital Outlay	154,980.41	114,246.90	265,893.88	340,962.40	274,574.52	380,074.52	374,574.52
Transfers to Fiber Fund	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
<u>Total Expenses</u>	3,266,170.70	3,156,806.34	3,468,512.45	3,944,964.04	3,800,001.05	3,934,595.21	3,967,204.72
Ending Cash Balance	876,889.07	1,036,315.82	1,270,076.32	1,193,933.59	1,277,203.45	1,225,879.15	1,141,945.34
Excess Revenue over/under Expenses	(131,393.20)	159,426.75	233,760.50	(76,142.73)	83,269.86	(51,324.30)	(83,933.81)
Less Fiber Fund Reserve	201,150.83	301,150.83	401,150.83	501,150.83	601,150.83	701,150.83	801,150.83
Unreserved Balance	675,738.24	735,164.99	868,925.49	692,782.76	676,052.62	524,728.32	340,794.51



340,794.51

FINANCIAL UPDATE Cont.

Key Items

- **FY23 Application Services Fee Increase**
- **New non-member services added in FY22 and FY23**
- **Security needs requiring additional expenditures**
- **Network Infrastructure/Other Equipment refreshes**
- **Increases from Software/Maintenance providers**
- **Legal fees substantially higher in FY22/FY23 for work on the Port Authority Fiber Agreements**

Vote for approval of Financials

Network Services – Update

DUO – Multi-Factor authentication – In Progress

- Phase 1 – Remote access VPN – Complete
- Phase 2 – Redesign – 23 of 39 districts Complete
- Phase 3 – Student information & SSO – Under Review

Webfilter – GoGuardian conversion – Complete

Insurance / CyberSecurity Training

** District requirement*

ACCESS Network Vulnerability Policy – Tom Davies

Future support needs– Security Operation Center / Security Lead / Tier 1 support

The background is a dark blue gradient with a complex network of thin, light blue lines connecting small white dots, creating a web-like or molecular structure. The lines and dots are more densely packed in some areas, particularly towards the right side where there's a slight greenish tint.

Cyber Security

New ACCESS Network Vulnerability Policy

Tom Davies

Background Info

Network Vulnerability:

a weakness in an IT system that can be exploited by an attacker to grant them access or privileges they would not otherwise have

How are Vulnerabilities Classified?

Into 4 groups, based on the risk associated with the vulnerability: **Low**, **Medium**, **High**, and **Critical**

CVSS is an industry standard scoring system

Rating	CVSS Score
None	0.0
Low	0.1-3.9
Medium	4.0-6.9
High	7.0-8.9
Critical	9.0-10.0

ACCESS Partners



Homeland Security



CYBERSECURITY
& INFRASTRUCTURE
SECURITY AGENCY



MS-ISAC®

Multi-State Information
Sharing & Analysis Center®

2022-10-30

CYBER HYGIENE

REPORT CARD

ACCESS Council



0
Hosts with
unsupported
software



1
Potentially Risky
Open Services



9%
Decrease in
Vulnerable
Hosts



HIGH LEVEL FINDINGS

LATEST SCANS

August 1, 2022 — October 30, 2022

Host Scans on All Addresses

October 24, 2022 — October 30, 2022

Vulnerability Scans on All Hosts

ADDRESSES OWNED

4,096
No Change

ADDRESSES SCANNED

4,096
No Change
100% of addresses scanned

HOSTS

53
Increase of 1

SERVICES

123
Increase of 4

VULNERABLE HOSTS

21
Decrease of 2
40% of hosts vulnerable

VULNERABILITIES

66
Decrease of 6

VULNERABILITIES

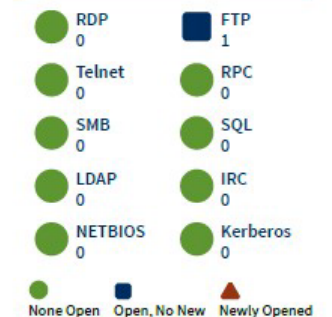
SEVERITY BY PROMINENCE



VULNERABILITY RESPONSE TIME

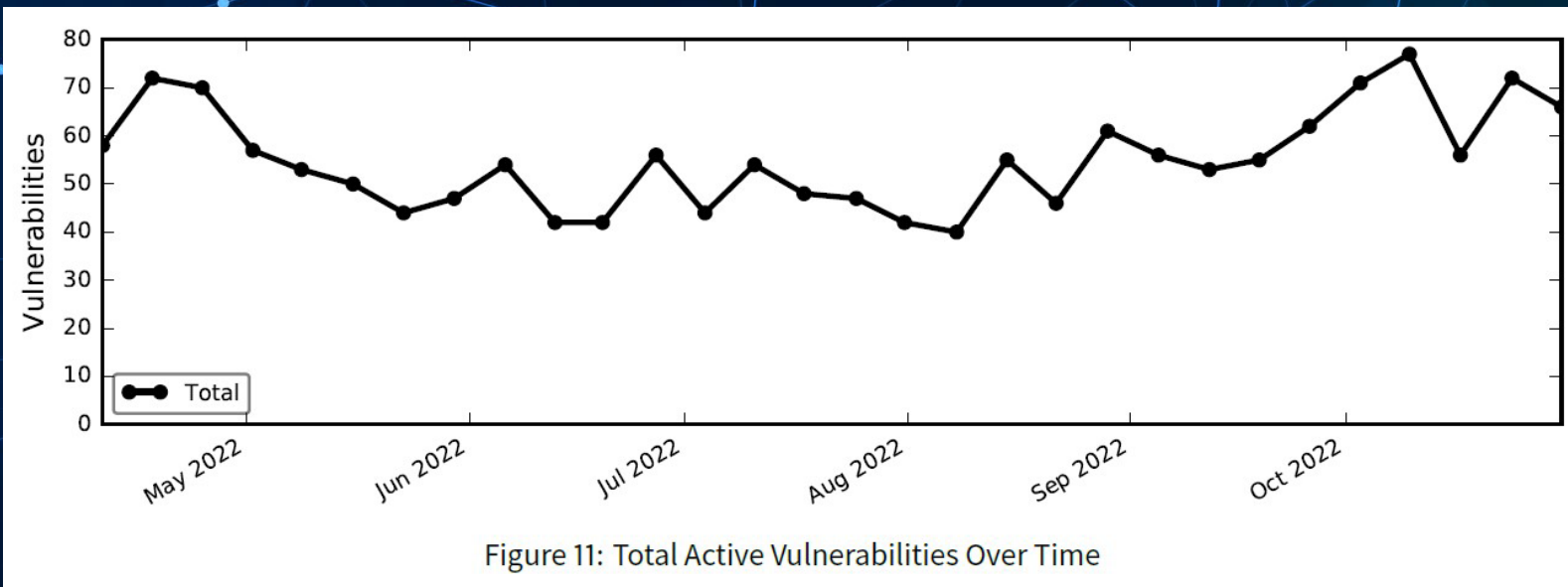
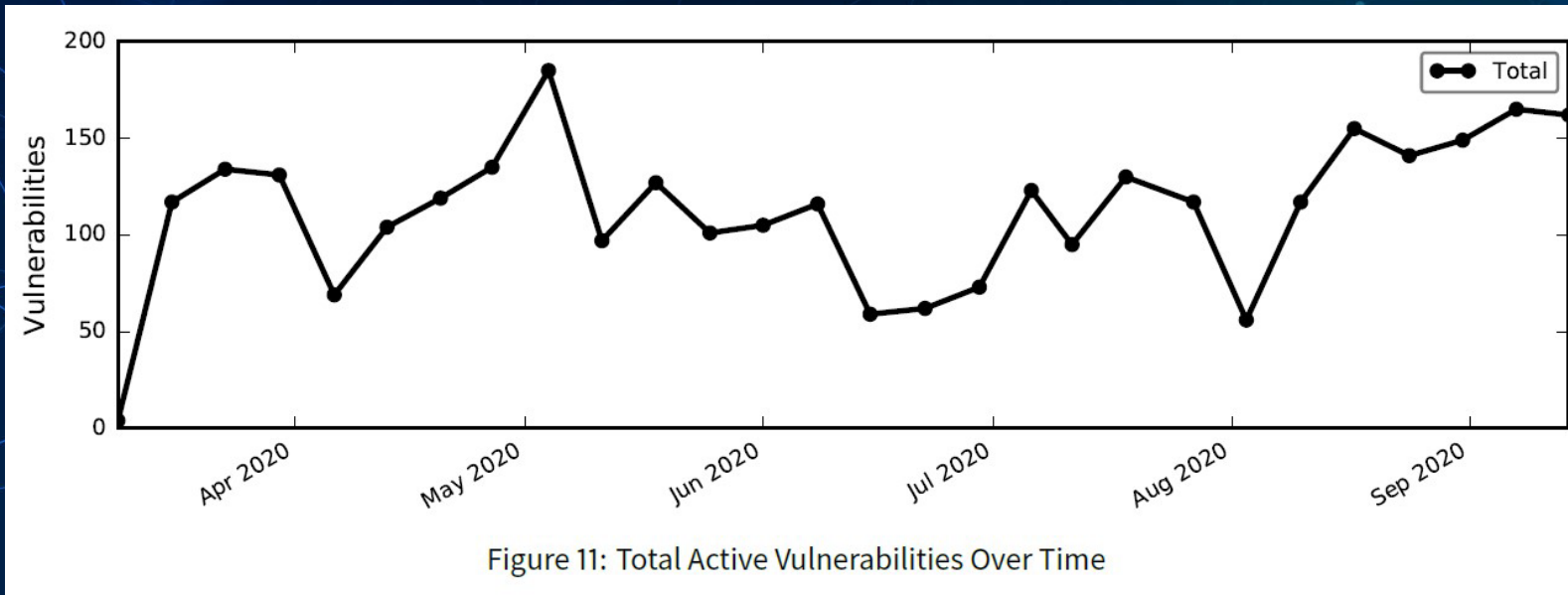


POTENTIALLY RISKY OPEN SERVICES



Service counts are best guesses and may not be 100% accurate. Details can be found in "potentially-risky-services.csv" in Appendix G.

Vulnerability History



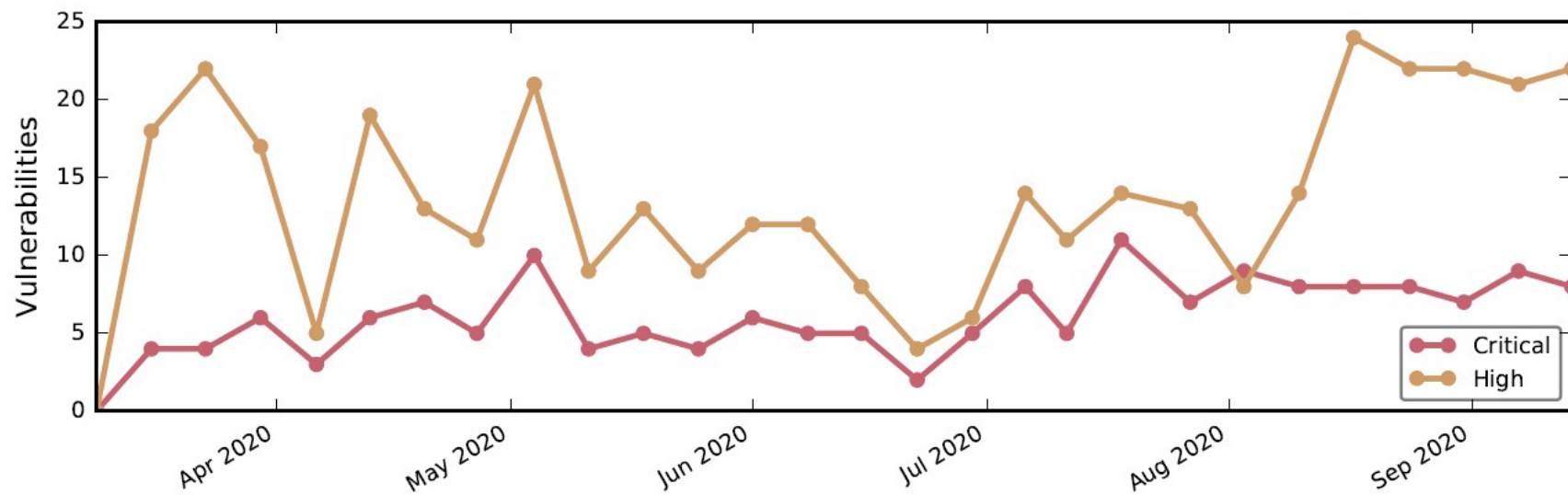


Figure 12: Active Critical and High Vulnerabilities Over Time

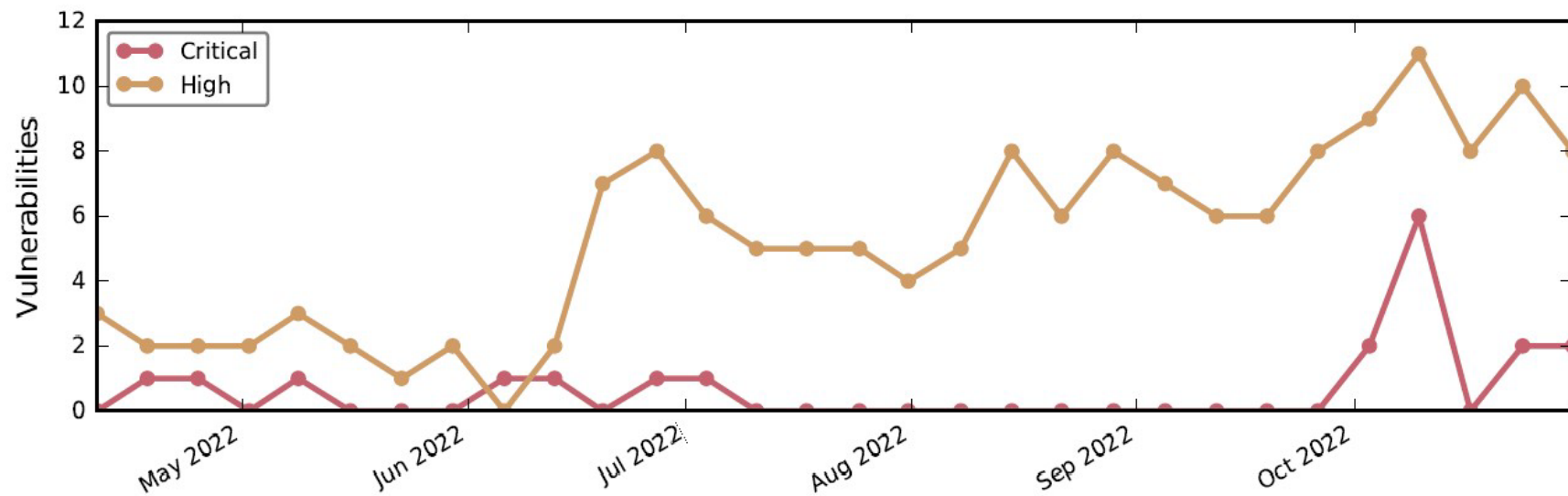


Figure 12: Active Critical and High Vulnerabilities Over Time

ACCESS Network Vulnerability Mitigation Policy

Purpose:

- **Reduce our exposure to cyber attack by identifying and mitigating network vulnerabilities in a timely manner**

Implementation:

- **Define mitigation timeframes based on severity (CVSS Score)**
- **Establish notification procedure**
- **Establish procedure to address vulnerabilities not mitigated within defined timeframes**

Timeframes

Rating	Notification	Response	Mitigation
Low	5 days	5 days	40 days
Medium	5 days	5 days	10 days
High	1 day	1 day	2 days
Critical	1 day	1 day	2 days

***Days are business days, not calendar days**

What Happens If It Can't Be Mitigated?

Options:

- ACCESS will block the vulnerable system from the network
- District administration can do a risk assessment and decide to accept the risk

Low/Medium risk acceptance requires signed authorization from district administration.

Due to the shared environment of our consortium network, **High/Critical** risk acceptance requires ACCESS Board approval.

Thank you for attending!

Next Assembly Meeting
April, 2023

ACCESS Council

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