GREATER SALT LAKE
Municipal Services
District

Cybersecurity Update to the Board

Security hardening and the CISA Cyber Resilience Essentials program

Mark Schneider, Director of IT · October 2026

WHAT CRE IS

A national yardstick for cyber resilience

Cyber Resilience Essentials comes from CISA, the federal Cybersecurity and Infrastructure Security Agency.

11

goals, from asset inventory to incident response

139

specific practices, each rated and tracked

1

shared environment protecting every member city

Our rule: a practice counts only when we can show it is in place, owned, used, reviewed and sustainable.

WHAT IT GIVES MEMBER CITIES

Benefits beyond stopping breaches

Insurability

Documented controls support cyber insurance eligibility and renewals.

Grant readiness

A measured plan strengthens applications for cybersecurity funding.

Audit and records ready

Evidence on file answers auditors, records requests and legal holds.

Services stay up

Tested response and recovery keep city email, files and devices working.

Shared cost, one standard

Every city gets the same protection without building its own IT shop.

Public trust

Residents' information is handled to a recognized federal standard.

WHERE WE STARTED

Baseline: 43.9% fully performed

61

Performed

52

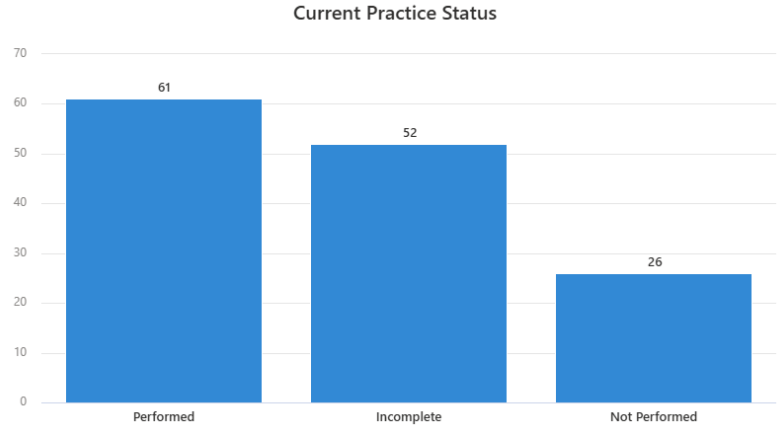
Partly performed

26

Not yet performed

Baseline (July 2026) vs Current

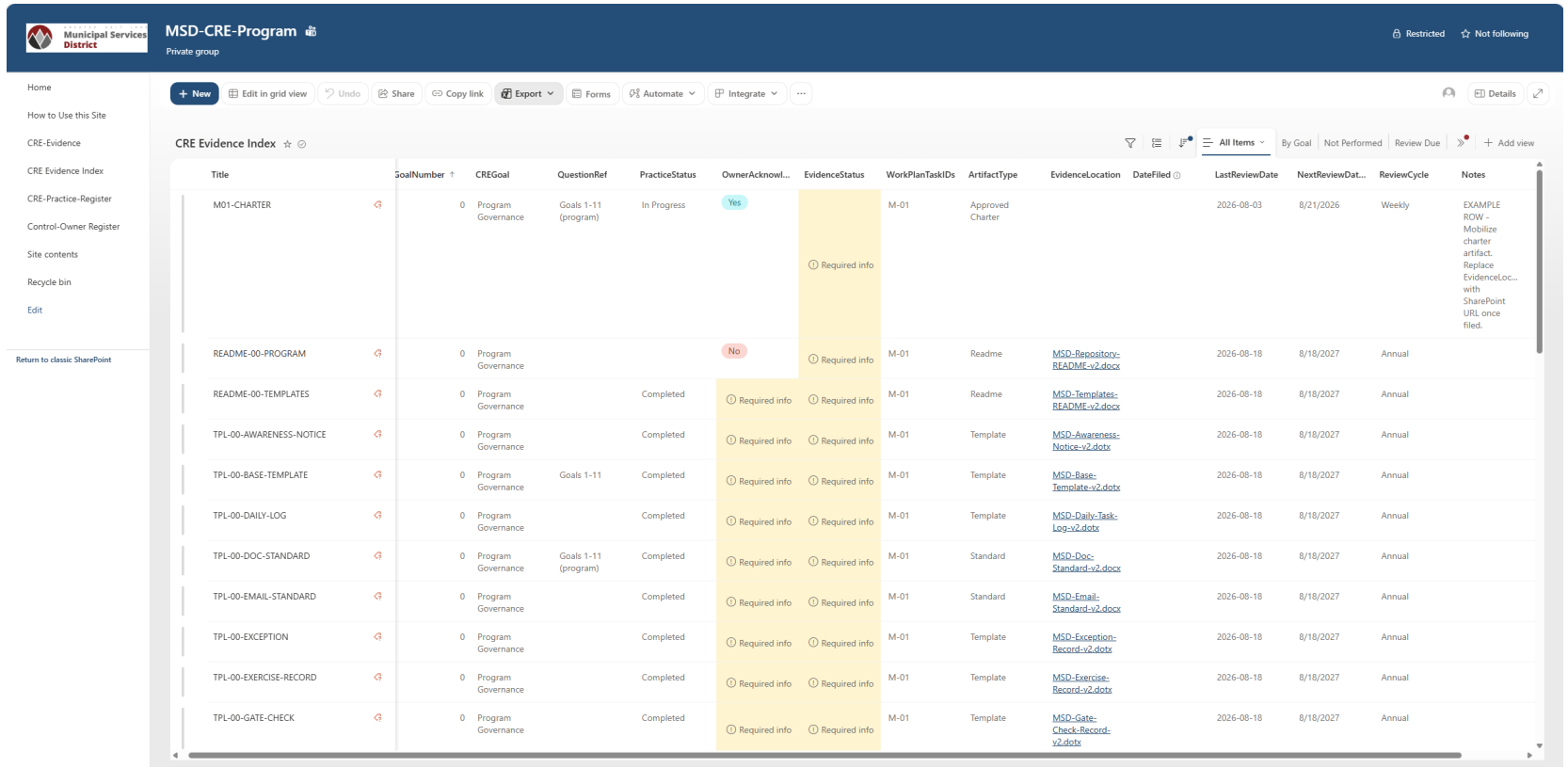
Metric	Baseline	Current	Delta
Performed	61	61	0
Incompletely Performed	52	52	0
Not Performed	26	26	0
% fully performed	43.9%	43.9%	+0.0 pp



Live from the MSD program site. The score moves when evidence is accepted.

PROOF: THE EVIDENCE REPOSITORY IS LIVE

Every artifact is cataloged in the CRE Evidence Index



Title	GoalNumber	CREGoal	QuestionRef	PracticeStatus	OwnerAcknowl...	EvidenceStatus	WorkPlanTaskIDs	ArtifactType	EvidenceLocation	DateFiled	LastReviewDate	NextReviewDat...	ReviewCycle	Notes
M01-CHARTER	0	Program Governance	Goals 1-11 (program)	In Progress	Yes	Required info	M-01	Approved Charter			2026-08-03	8/21/2026	Weekly	EXAMPLE ROW - Mobilize charter artifact. Replace EvidenceLoc... with SharePoint URL once filed.
README-00-PROGRAM	0	Program Governance			No	Required info	M-01	Readme	MSD-Repository-README-v2.docx		2026-08-18	8/18/2027	Annual	
README-00-TEMPLATES	0	Program Governance		Completed	Required info	Required info	M-01	Readme	MSD-Templates-README-v2.docx		2026-08-18	8/18/2027	Annual	
TPL-00-AWARENESS-NOTICE	0	Program Governance		Completed	Required info	Required info	M-01	Template	MSD-Awareness-Notice-v2.dotx		2026-08-18	8/18/2027	Annual	
TPL-00-BASE-TEMPLATE	0	Program Governance	Goals 1-11	Completed	Required info	Required info	M-01	Template	MSD-Base-Template-v2.dotx		2026-08-18	8/18/2027	Annual	
TPL-00-DAILY-LOG	0	Program Governance		Completed	Required info	Required info	M-01	Template	MSD-Daily-Task-Log-v2.dotx		2026-08-18	8/18/2027	Annual	
TPL-00-DOC-STANDARD	0	Program Governance	Goals 1-11 (program)	Completed	Required info	Required info	M-01	Standard	MSD-Doc-Standard-v2.docx		2026-08-18	8/18/2027	Annual	
TPL-00-EMAIL-STANDARD	0	Program Governance		Completed	Required info	Required info	M-01	Standard	MSD-Email-Standard-v2.docx		2026-08-18	8/18/2027	Annual	
TPL-00-EXCEPTION	0	Program Governance		Completed	Required info	Required info	M-01	Template	MSD-Exception-Record-v2.dotx		2026-08-18	8/18/2027	Annual	
TPL-00-EXERCISE-RECORD	0	Program Governance		Completed	Required info	Required info	M-01	Template	MSD-Exercise-Record-v2.dotx		2026-08-18	8/18/2027	Annual	
TPL-00-GATE-CHECK	0	Program Governance		Completed	Required info	Required info	M-01	Template	MSD-Gate-Check-Record-v2.dotx		2026-08-18	8/18/2027	Annual	

Restricted site

Leadership reads; only the program owner files.

Fully tagged

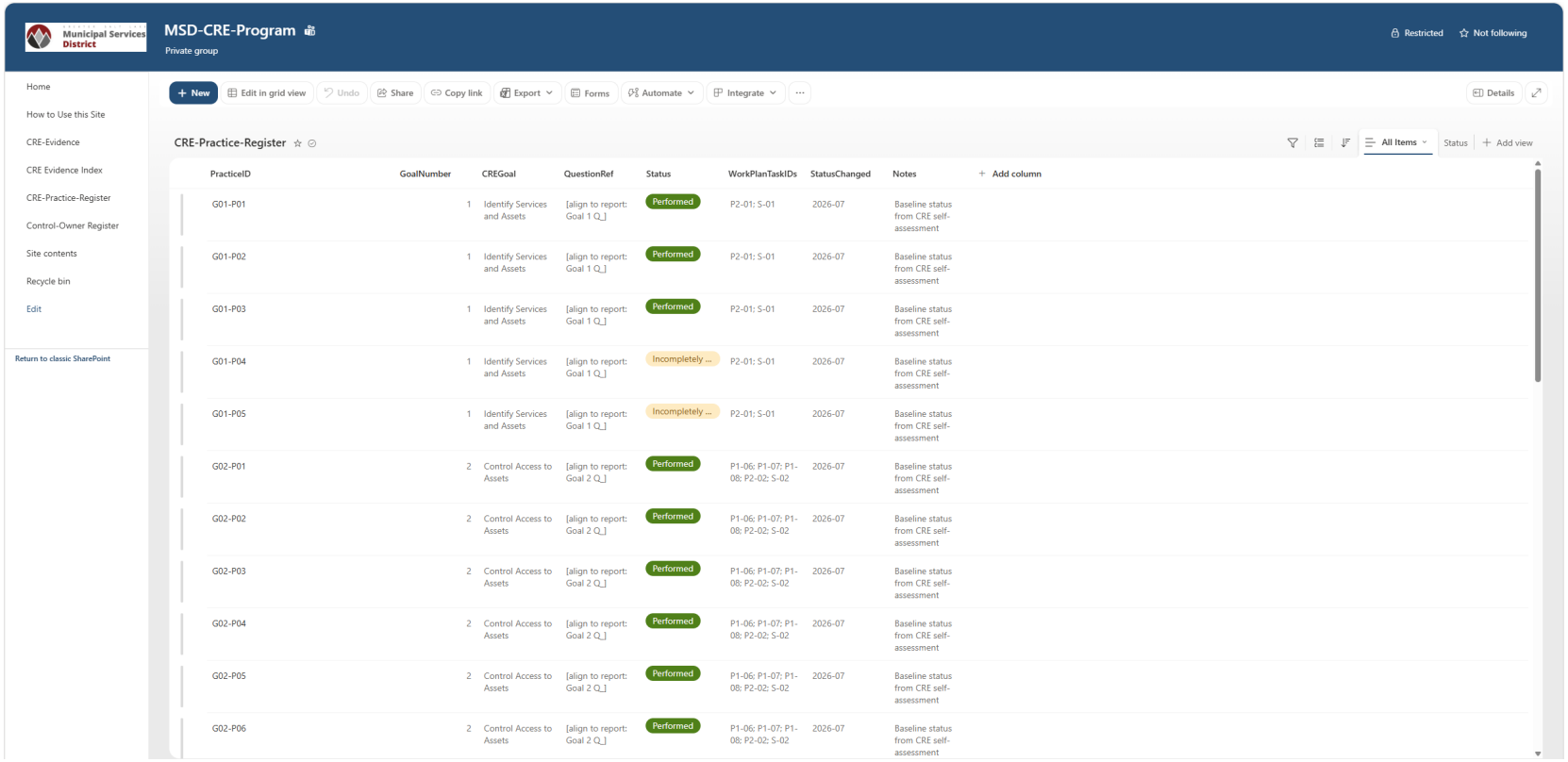
Goal, owner, artifact type and next review date.

Tamper-resistant

Versioned, with a 4-year retention lock.

PROOF: EVERY PRACTICE IS TRACKED

The Practice Register holds one status per practice



PracticeID	GoalNumber	CREGoal	QuestionRef	Status	WorkPlanTaskIDs	StatusChanged	Notes
G01-P01	1	Identify Services and Assets	[align to report: Goal 1 Q_]	Performed	P2-01; S-01	2026-07	Baseline status from CRE self-assessment
G01-P02	1	Identify Services and Assets	[align to report: Goal 1 Q_]	Performed	P2-01; S-01	2026-07	Baseline status from CRE self-assessment
G01-P03	1	Identify Services and Assets	[align to report: Goal 1 Q_]	Performed	P2-01; S-01	2026-07	Baseline status from CRE self-assessment
G01-P04	1	Identify Services and Assets	[align to report: Goal 1 Q_]	Incompletely ...	P2-01; S-01	2026-07	Baseline status from CRE self-assessment
G01-P05	1	Identify Services and Assets	[align to report: Goal 1 Q_]	Incompletely ...	P2-01; S-01	2026-07	Baseline status from CRE self-assessment
G02-P01	2	Control Access to Assets	[align to report: Goal 2 Q_]	Performed	P1-06; P1-07; P1-08; P2-02; S-02	2026-07	Baseline status from CRE self-assessment
G02-P02	2	Control Access to Assets	[align to report: Goal 2 Q_]	Performed	P1-06; P1-07; P1-08; P2-02; S-02	2026-07	Baseline status from CRE self-assessment
G02-P03	2	Control Access to Assets	[align to report: Goal 2 Q_]	Performed	P1-06; P1-07; P1-08; P2-02; S-02	2026-07	Baseline status from CRE self-assessment
G02-P04	2	Control Access to Assets	[align to report: Goal 2 Q_]	Performed	P1-06; P1-07; P1-08; P2-02; S-02	2026-07	Baseline status from CRE self-assessment
G02-P05	2	Control Access to Assets	[align to report: Goal 2 Q_]	Performed	P1-06; P1-07; P1-08; P2-02; S-02	2026-07	Baseline status from CRE self-assessment
G02-P06	2	Control Access to Assets	[align to report: Goal 2 Q_]	Performed	P1-06; P1-07; P1-08; P2-02; S-02	2026-07	Baseline status from CRE self-assessment

139 rows

One per CRE practice, each mapped to a goal.

Evidence first

A status changes only after its proof is filed.

Live score

Drives the counts on the site home page.

HARDENING IN PLACE

Layered protection on every device

Threat detection
Watches every laptop; can isolate one if compromised.

Email filtering
Screens mail for phishing and leader impersonation.

Risk-ranked patching
Flaws attackers actively exploit are fixed first.

Managed identity
Central control; lost laptops can be locked or wiped.

Network firewall
Managed firewall at the office edge, kept current.

Awareness training
Staff training and simulated phishing exercises.

One platform for member cities: city email moving into MSD's Microsoft 365 inherits every protection above Kearns is complete.

TESTED IN PRACTICE

A leadership-impersonation email was contained the same day

DETECT

A spoofed message posing as MSD leadership reached staff.

CONTAIN

Removed from every mailbox the same day.

RECORD

Documented as a formal incident report with its evidence.

IMPROVE

Four corrective actions assigned and tracked to closure.

The lesson: filters reduce risk, but trained people and a practiced process close the gap.

This response is the model for MSD's written incident process.

WHERE WE ARE ON THE ROADMAP

Priority 1A is nearly complete; risk work is next

COMPLETE
Mobilize
Setup
Charter signed, owners, evidence site, baseline

CLOSING OUT
Priority 1A
Months 1–4
Incident response and event handling

NEXT
Priority 1B
Months 4–8
Top risks, vendors, admin access

PLANNED
Priority 1C
Months 8–12
Data protection, monitoring, training

PLANNED
Priority 2
Months 12–16
Inventory, access, continuity

PLANNED
Reassess
Month 16
Re-score all 139 practices

Next step: control owners confirm their assignments, then the completed Priority 1A work is formally accepted into the score.

HOW THE BOARD CAN HELP

Security is strongest when leaders model it

Verify unusual requests

Confirm by phone before acting on payment, gift-card or password requests.

Report, don't delete

Send suspicious email to MSD IT so it can be pulled from every inbox.

Complete assigned training

Leaders finishing it on time sets the tone for staff.

Support city migrations

Moving onto MSD's platform brings your city every protection shown today.

Questions