Enabling
Priorities

Cybersecurity four-year plan
Program of works to increase Council's cyber security resilience

Information Management
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Cybersecurity mission

To support CoA's strategic objective by securely enabling its initiatives and operations while protecting it from threats to the availability, integrity and confidentiality of systems and data protecting it from threats.

We will do this by establishing 4 key pillars:

Govern	Protect	Detect	Respond & Recover
• Maintain and Review our Strategies • Consult with stakeholders • Oversight on major initiatives • Monitor key risks & metrics • Ensure we resource appropriately	• Secure our network perimeter • Harden our devices and end points • Mitigate phishing attacks • Control identity and Access • Build Awareness & Education	• Seek external threat intelligence • Monitor for anomalies • Monitor systems, end points and access • Data loss prevention	• Automate response and recovery where possible • Analyse incidents • Communicate, • Practice recovery

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How we will be doing this

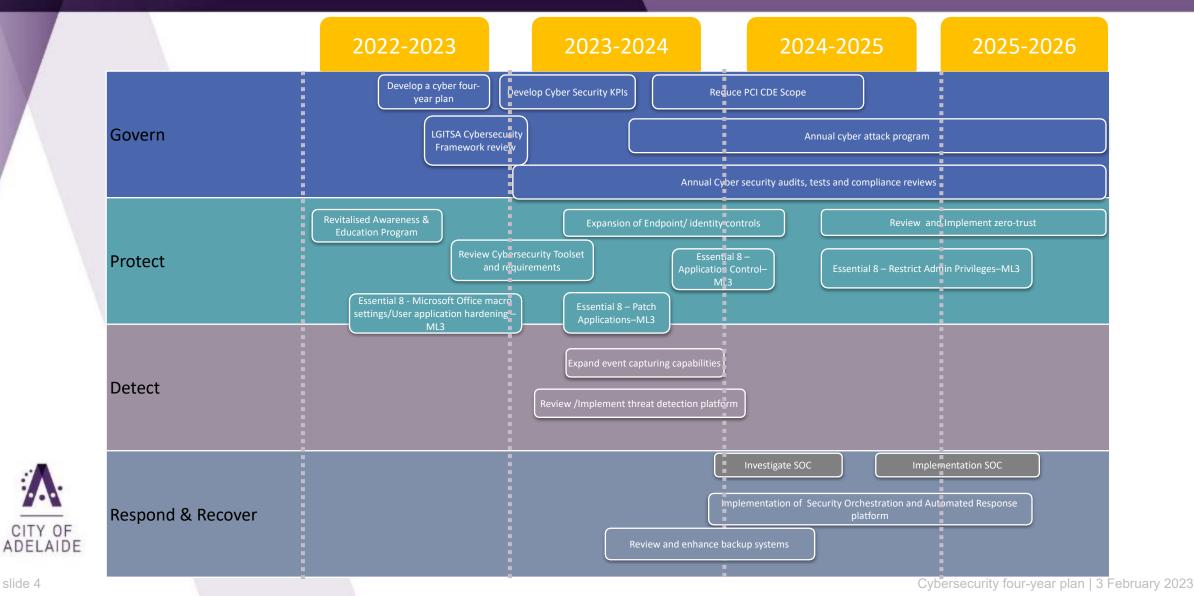| Govern	Protect	Detect	Respond & Recover
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Govern
- ✓ Benchmark against Essential 8
- • LGITSA Cybersecurity Framework
  - • Data Identification and classification of Personal Identifiable Information (PII) @ CoA
- • Implement regular internal and independent cyber security testing and auditing
  - • i.e. phishing attacks
- • Review and reduce PCI CDE scope
- • Establish Cyber security KPIs

Protect
- • Update and revitalise Awareness & Education Program
- • Phishing Simulation
- • Review and implement Cybersecurity toolsets that enable:
  - • Endpoint/identity controls
- • Complete Essential 8 maturity level 3 controls

Detect
- • Expand event capture and analysis capabilities
- • Review and implement Cybersecurity toolsets that enable:
  - • Network Threat Analytics
  - • Threat Intelligence

Respond & Recover
- • Review and implement Cybersecurity toolsets that enable:
  - • Security Orchestration, Automation & Response (SOAR)
- • Annual cyber attack program

Investigate cyber security operations centre (SOC)

Cybersecurity four-year plan
When will we be doing this by

	2022-2023	2023-2024	2024-2025	2025-2026
Govern	Develop a cyber four-year plan / LGITSA Cybersecurity Framework review	Develop Cyber Security KPIs	Reduce PCI CDE Scope	
		Annual cyber attack program (2023-2026)		
		Annual Cyber security audits, tests and compliance reviews (2023-2026)		
Protect	Revitalised Awareness & Education Program	Expansion of Endpoint/ identity controls	Review and Implement zero-trust	
		Review Cybersecurity Toolset and requirements	Essential 8 – Application Control–ML3	Essential 8 – Restrict Admin Privileges–ML3
	Essential 8 - Microsoft Office macro settings/User application hardening – ML3	Essential 8 – Patch Applications–ML3		
Detect		Expand event capturing capabilities		
		Review /Implement threat detection platform		
Respond & Recover			Investigate SOC	Implementation SOC
			Implementation of Security Orchestration and Automated Response platform	
		Review and enhance backup systems		

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Key next steps

- Continue to work through remediation activities in the program of work
- Review current capacity and capability and realign internal resources where appropriate
- Develop business case submissions for the provision of new capabilities:
  - Security Orchestration and Automated Response platform
  - Event capture
  - Zero-trust network
  - Annual cyber attack program

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