Common **Required** Technical Security Solutions

The purpose of this worksheet is to list required solutions that are part of a comprehensive security program.

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FW			
Segment and protect networks		1	SC-7
PM; CM	<u> </u>		
Protect infrastructure		2.1, 2.2	SI-2, SA-10, CM-1/2/6
Protect infrastructure		6.1	CM-2, SI-2
IPS; FIM; AV; WAF; DLP			
Identify attacks		11.4	SI-3, SI-4
Identify changed files		11.5	SI-7
Protect against malware		5	SI-3
Protect user services		6.6	SI-3, SI-4, SC-7
Identify sensitive data	** **		
DIME; DARE			
Protect data		3.4, 3.5, 3.6	SC-12/13/28, IA-7
Protect data		2.3, 4, 8.4	SC-9/12/13, IA-7
IdM; AAA; 2FA			
Authenticate users		8.3	IA-2 (1), IA-4
Provision and deprovision users		8.1, 8.2, 8.5.1	IA-2, IA-4
Identity interaction nonrepudiation		7, 8.5	IA-5, AC-3
SIEM; DBM			
Log and correlate environment data		10, A.1.3	SI-4, AU-2/3/6/10/12
Protect database environment		10, A.1.3	SI-4
PT; VAM		,	
Identify and track vulnerabilities		6.2, 6.5, 6.6, 11.2	RA-5
Validate vulnerabilities			CA-2
BU			
Systems survivability		10.5.3, 12.9.1	CP-9
	PM; CM Protect infrastructure Protect infrastructure IPS; FIM; AV; WAF; DLP Identify attacks Identify changed files Protect against malware Protect user services Identify sensitive data DIME; DARE Protect data Protect data IdM; AAA; 2FA Authenticate users Provision and deprovision users Identity interaction nonrepudiation SIEM; DBM Log and correlate environment data Protect database environment PT; VAM Identify and track vulnerabilities Validate vulnerabilities BU Systems survivability	Segment and protect networks PM; CM Protect infrastructure Protect infrastructure IPS; FIM; AV; WAF; DLP Identify attacks Identify changed files Protect against malware Protect user services Identify sensitive data DIME; DARE Protect data Protect data IdM; AAA; 2FA Authenticate users Provision and deprovision users Identity interaction nonrepudiation SIEM; DBM Log and correlate environment data Protect database environment PT; VAM Identify and track vulnerabilities Validate vulnerabilities BU Systems survivability	FW Segment and protect networks

^{*} Specifically called out in some authorities and implied control in others. Highly recommended where the Internet will be the primary use case.

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^{**} Not _specifically_ called out in any authority. However, often used as a control for healthcare and financial verticals.

[†] Sampling of controls that apply.