IRS Publication 4557
Technology Resource Guide: Home Office

REQUIRED NETWORK & DATA PROTECTION SOLUTIONS

	BEST	GOOD	OK
ANTI VIRUS	Norton 360 with LifeLock Select Practice Protect	BitDefender	Microsoft Defender
ANTI SPYWARE	Norton 360 with LifeLock Select Practice Protect	BitDefender	McAfee+
NETWORK INTRUSION DETECTION	Snort	Fortinet FortiGate FPS Plus	McAfee Network Security Platform
ANTI PHISHING TOOLBAR	uBlock Origin Practice Protect	Ulaa	Combine with Malware
FIREWALL	SonicWall TZ400W	Ubiquiti Unifi Dream Machine Pro	Firewalla Red
PASSWORD MANAGER	Bitwarden Practice Protect	Dashlane	1Password
2FA/MFA	Microsoft Authenticator Practice Protect	Zoho OneAuth	DUO
WINDOWS PATCH MANAGEMENT	Ninite Pro Practice Protect	Avast Business Patch Management	Enable in Windows
3RD PARTY PATCH MANAGEMENT	Ninite Pro	Avast Business Patch Management	Avira Software Updater
DRIVE ENCRYPTION	Bitlocker	Boxcryptor	Activate on Hardware
VIRTUAL PRIVATE NETWORK	Proton VPN	TunnelBear VPN	Only necessary in certain circumstances (e.g. int'l travel)
INBOUND/ OUTBOUND TRAFFIC MONITORING	Flowmon	Plixer Scrutinizer	Paessler PRTG Monitor

SECURE CLIENT COMMUNICATION AND DOCUMENT EXCHANGE

	BEST	GOOD	OK
SECURE DOCUMENT EXCHANGE	Liscio	SmartVault, DropBox, Sharefile	Word Doc or PDF, sent by encrypted email with link to portal for client upload
SECURE ESIGNATURE	Liscio	Adobe Sign PandaDoc	DocuSign
SECURE MESSAGES	Liscio	Proton Mail	Self-Encrypt through Gmail or Outlook
FIRM SECURE DOCUMENT STORAGE	SmartVault	Liscio	Google Drive (Workspace), MS OneDrive for Business Zoho Work Drive
FIRM ENCRYPTED BACK-UP SOLUTION	Acronis CyberProtect Home Office	Carbonite Safe	iDrive

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SECURE ESIGNATURE	Liscio	Docusign Adobe Sign PandaDoc	Docusign
SECURE MESSAGES	Liscio	Zoho Mail	Self-Encrypt through Gmail or Outlook
FIRM SECURE DOCUMENT STORAGE	SmartVault	Google Drive (Workspace), MS OneDrive for Business, Zoho Work Drive	Liscio
FIRM ENCRYPTED BACK-UP SOLUTION	ShadowProtect SPX Desktop	Acronis CyberProtect Home Office	Backblaze

REQUIRED NETWORK & DATA PROTECTION SOLUTIONS

	BEST	GOOD	OK
ANTI VIRUS	Sophos Practice Protect	Webroot	ESET NOD32
ANTI SPYWARE	BitDefender Practice Protect	McAfee+	Malwarebytes
NETWORK INTRUSION DETECTION	Trend Micro Tipping Point	Palo Alto Networks Threat Prevention	Cisco Secure Firewall
ANTI PHISHING TOOLBAR	Microsoft Defender for Office 365 Practice Protect	Netcraft	Spoofguard
FIREWALL	SonicWall TZ400W	WatchGuard Firebox T45	Sophos XG 86
PASSWORD MANAGER	Keeper Practice Protect	RoboForm Everywhere	Zoho Vault
2FA/MFA	Microsoft Authenticator Practice Protect	Zoho OneAuth	DUO
WINDOWS PATCH MANAGEMENT	Ninite Pro Practice Protect	Ninite Pro	Enable in Windows
3RD PARTY PATCH MANAGEMENT	Ninite Pro	GFI LanGuard	Avast Business Patch Management
DRIVE ENCRYPTION	Bitlocker	Boxcryptor	Activate on Hardware
VIRTUAL PRIVATE NETWORK	Use Your Firewall VPN	Proton VPN	Anti-virus VPN
INBOUND/ OUTBOUND TRAFFIC MONITORING	Flowmon	Plixer Scrutinizer	Paessler PRTG Monitor

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SECURE MESSAGES	Liscio	Hushmail	Self-Encrypt through Gmail or Outlook
FIRM SECURE DOCUMENT STORAGE	SmartVault, Doc-It	CCH Axcess Document	Google Drive (Workspace), MS OneDrive for Business, Zoho Work Drive
FIRM ENCRYPTED BACK-UP SOLUTION	Datto SIRIS	ShadowProtect	Barracuda Backup

REQUIRED NETWORK & DATA PROTECTION SOLUTIONS

	BEST	GOOD	OK
ANTI VIRUS	Sophos Practice Protect	BitDefender	Webroot
ANTI SPYWARE	BitDefender Practice Protect	Avast	Malwarebytes
NETWORK INTRUSION DETECTION	ManageEngine	Palo Alto Networks Threat Prevention	Darktrace
ANTI PHISHING TOOLBAR	Mimecast Practice Protect	Barracuda Sentinel	KnowBe4
FIREWALL	SonicWall NSa 3700	Firebox M4800	Cisco Meraki MX Firewall
PASSWORD MANAGER	Keeper Practice Protect	Bitwarden	RoboForm Everywhere
2FA/MFA	DUO Practice Protect	Microsoft Authenticator	Zoho OneAuth
WINDOWS PATCH MANAGEMENT	Microsoft SCCM Practice Protect	GFI LanGuard	PDQ Deploy
3RD PARTY PATCH MANAGEMENT	Microsoft SCCM	GFI LanGuard	PDQ Deploy
DRIVE ENCRYPTION	Bitlocker	Boxcryptor	Activate on Hardware
VIRTUAL PRIVATE NETWORK	Use Your Firewall VPN	Proton VPN	Anti-virus VPN
INBOUND/ OUTBOUND TRAFFIC MONITORING	ManageEngine Netflow Analyzer	Flowmon	Paessler PRTG Monitor

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FIRM ENCRYPTED BACK-UP SOLUTION	Veeam Azure Site Recovery Datto SIRIS	ShadowProtect	Barracuda Backup

REQUIRED NETWORK & DATA PROTECTION SOLUTIONS

	BEST	**GOOD**	**OK**
ANTI VIRUS	Sentinel One Crowdstrike Falcon	BitDefender Gravity Zone	Symantec EndPoint Security Enterprise
ANTI SPYWARE	Sentinel One	Palo Alto	BitDefender
NETWORK INTRUSION DETECTION	Solar Winds Fortigate	ManageEngine	ProofPoint Advanced Threat Protection
ANTI PHISHING TOOLBAR	IronScales	Confense PDR	RSA Fradaction
FIREWALL	FortiGate Network Firewall Cisco Firepower 2140	FortiGate Network Firewall	CheckPoint NGFW
PASSWORD MANAGER	VaultWarden	Keeper	RoboForm Everywhere
2FA/MFA	Okta	Microsoft Authenticator	DUO
WINDOWS PATCH MANAGEMENT	Solar Winds	ManageEngine Patch Manager	Proofpoint Advanced Threat Protection
3RD PARTY PATCH MANAGEMENT	Solar Winds	ManageEngine Patch Manager	CheckPoint NGFW
DRIVE ENCRYPTION	Bitlocker	Boxcryptor	Activate on Hardware
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INBOUND/ OUTBOUND TRAFFIC MONITORING	Solar Winds Netflow Traffic Analyzer	ManageEngine Netflow Analyzer	Paessler PRTG Monitor