

(P) Preparation	(I) Identification	(C) Containment
<div>1. Patch asset vulnerabilities</div> <div>2. Perform routine inspections of controls/weapons</div> <div>3. Ensure antivirus/endpoint protection software is installed on workstations and laptops</div> <div>4. Conduct employee security awareness training</div> <div>5. Disable add-ins and prevent Office VBA macros from executing<div>a. If add-ins are necessary, follow best practices for securing them, such as requiring them to be signed</div><div>b. NOTE: disabling add-ins in the Office Trust Center does not disable WLL nor does it prevent VBA code</div></div> <div>6. Ensure that servers and workstations are logging to a central location</div> <div>7. reate the registry key for the Office Test ^[2] method and set the permissions to "Read Control"</div>	<div>1. Monitor for:<div>a. Abnormal chains of activity resulting from Office processes</div><div>b. Events related to Registry key creation and modification</div><div>c. Office processes performing anomalous DLL loads</div><div>d. Changes to Office macro security settings or base templates</div></div> <div>2. Check for the creation of the Office Test key<div>a. TIP: Sysinternals Autoruns ^[3] can detect tasks set up using the Office Test Registry key</div></div> <div>3. Audit Registry entries that are relevant to enabling add-ins</div> <div>4. Validate Office trusted locations</div> <div>5. Investigate and clear ALL alerts</div>	<div>1. Inventory (enumerate & assess)</div> <div>2. Detect Deny Disrupt Degrade Deceive Destroy</div> <div>3. Observe -> Orient -> Decide -> Act</div> <div>4. Utilize EDR hunter/killer agents to terminate offending processes</div> <div>5. Remove the affected system from the network</div> <div>6. Determine the source and pathway of the attack</div> <div>7. Issue a perimeter enforcement for known threat actor locations</div>
(E) Eradication	(R) Recovery	(L) Lessons/Opportunities
<div>1. Close the attack vector</div> <div>2. Create forensic backups of affected systems</div> <div>3. Perform endpoint/AV scans on affected systems</div> <div>4. Reset any compromised passwords</div> <div>5. Inspect ALL assets and user activity for IOC consistent with the attack profile</div> <div>6. Inspect backups for IOC consistent with the attack profile PRIOR to system recovery</div> <div>7. Patch asset vulnerabilities</div>	<div>1. Restore to the RPO within the RTO</div> <div>2. Assess and Address collateral damage</div> <div>3. Resolve any related security incidents</div> <div>4. Restore affected systems to their last clean backup</div>	<div>1. Perform routine cyber hygiene due diligence</div> <div>2. Engage external cybersecurity-as-a-service providers and response professionals</div> <div>3. Implement policy changes to reduce future risk</div> <div>4. Utilize newly obtained threat signatures</div> <div><div>References:</div><div>1. MITRE ATT&CK Technique T1137: https://attack.mitre.org/techniques/T1137/</div><div>2. Office Test Sub-technique T1137.002: https://attack.mitre.org/techniques/T1137/002/</div><div>3. Sysinternals Autoruns: https://docs.microsoft.com/en-us/sysinternals/downloads/autoruns</div></div>

Resources:

→ GuardSight GSVSOC Incident Response Plan: https://github.com/guardsight/gsvsoc_cybersecurity-incident-response-plan

→ IT Disaster Recovery Planning: <https://www.ready.gov/it-disaster-recovery-plan>

→ Report Cybercrime: <https://www.ic3.gov/Home/FAQ>