Elections Infrastructure Self-Assessment Tool

https://www.cisecurity.org/elections-resources/

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Membership and Albert Overview

Membership

- 50 State Election Offices
- 860 Local Election Offices (42 states)
- 3 Territorial Election Offices
- 5 Election Official Associations
- 1 Election Vendor

Albert Sensor Coverage

- 34 State Election Sensors
- 7 Bottom-Up Local Election Sensors
- 16 State-Funded Local Election Sensors
- 1 Territorial Election Sensor
Election Security Services Checklist

• Prioritized action items and tools tied to the EI Handbook and CIS Controls
• Descriptions of key cybersecurity tools
• Links to available services from EI-ISAC, DHS, or GSA

Monitor Your Network

7 & 42  12
Detect, prevent, and correct the flow of information transferring networks of different trust levels with a focus on security-damaging data. Network monitoring should be multi-layered, relying on firewalls, proxies, DMZ perimeter networks, and network-based intrusion detection and intrusion prevention systems (IDS and IPS). It is also critical to filter both inbound and outbound traffic.

EI-ISAC, GSA Schedule 70 132-44 CDM Tools
Self-assessment tool

• Online interface to walk through implementation of handbook best practices
• Provides dashboard summary of results
  – Can be shared across organization and with state ED
  – Default is no sharing
• Tracks progress over time
• For each best practice:
  – Have you implemented it?
  – Do you have a policy?
• Open to all elections offices by end of July
Self-assessment Tool
Self-assessment tool

- Disable wireless peripheral access of devices unless required and the risk is approved by election officials.
- Regularly scan the network to ensure only authorized devices are connected.
- Only utilize approved and managed USB devices with appropriate device encryption and device authentication.
- Disable wireless peripheral access of devices unless required and the risk is formally approved by election officials.
- Disable wireless peripheral access of devices unless required and the risk is approved by election officials.
- Ensure the system is segregated from other independent election systems and non-election supporting systems.
### Whitelist which IPs can access the device

<table>
<thead>
<tr>
<th>Component</th>
<th>Policy Defined</th>
<th>Status</th>
<th>Connected Class</th>
<th>Priority</th>
<th>Initial Costs</th>
<th>On-going maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voter Registration</td>
<td>Informal Policy</td>
<td>Implemented in Some...</td>
<td>Connected Class</td>
<td>Priority</td>
<td>Initial Costs</td>
<td>On-going maintenance</td>
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<td>EMS</td>
<td>Informal Policy</td>
<td>Not Applicable</td>
<td>Network Connected</td>
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<td>Low</td>
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<tr>
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<td>Informal Policy</td>
<td>Implemented in Some...</td>
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<tr>
<td>Vote Capture</td>
<td>No Policy</td>
<td>Fully Implemented</td>
<td></td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
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<tr>
<td>Vote Tabulation</td>
<td>Informal Policy</td>
<td>Partially Implemented</td>
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<tr>
<td>Results Publishing</td>
<td>No Policy</td>
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<td></td>
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</tr>
</tbody>
</table>

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**Best Practice**

- **Rationale**
- **CIS Control and Guidance**
- **Recommendations**
- **Top Resources**

**Whitelist which IPs can access the device**
And there’s more…

- Continued focus on EI-ISAC growth
- Albert sensor deployment
- Continued EI-ISAC services
  - Webinars, briefings, TTX, briefing at state meetings, alerts, news, and more!
- **Procurement guide**
  - Based on handbook, provides sound approaches to procurement as well as model contract clauses
  - May include contractor management as well
Thank you!

Main page: www.cisecurity.org/elections-resource
EI-ISAC registration: https://www.cisecurity.org/ei-isac/
Handbook hardcopies: https://learn.cisecurity.org/ei-handbook

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