

**Generative Artificial Intelligence (AI)** has the potential to both enhance and endanger the integrity of elections. Let's delve into how it can impact election security:

### 1. **Synthetic Content Creation:**

Generative AI can create synthetic content, including:

- **Text-to-Video (Deepfake Videos):** Malicious actors might use text-to-video software to generate fake videos of real news anchors reporting false stories, spreading disinformation as part of foreign influence operations<sup>1</sup>.
- **Text-to-Image: Foreign nation state actors can create false and misleading images to alter public perception during crises or influence operations**<sup>1</sup>.
- **Text-to-Speech (Voice Cloning):** Cybercriminals may use AI-generated audio to impersonate individuals, potentially gaining access to sensitive information or manipulating organizations<sup>1</sup>.
- **Text-to-Text (Large Text Language Models):** Foreign actors can use AI-generated text to enhance covert foreign influence operations with grammatically correct English-language content<sup>1</sup>.

### 2. **Threats and Risks:**

- **Disinformation Campaigns: Deepfake videos and manipulated images can spread false narratives, affecting public opinion and voter behavior**<sup>2</sup>.
- **Phishing and Doxing: Election officials face threats of phishing attacks and doxing, which can compromise sensitive information**<sup>3</sup>.
- **Robocalls and Text Messages: AI-powered automated messages can disseminate false information to alter voter behavior**<sup>3</sup>.
- **Trust Issues: The erosion of trust due to AI-generated content can undermine the democratic process**<sup>3</sup>.

### 3. **Mitigations:**

Election officials can take the following steps to mitigate risks:

- **Vigilance: Stay informed about AI capabilities and their potential impact.**
- **Security Best Practices: Implement security measures recommended by experts.**
- **Awareness Campaigns: Educate voters about the risks of AI-generated content.**
- **Verification: Develop tools to verify authenticity of media content.**

In summary, while generative AI offers opportunities for productivity, it also amplifies risks. Election officials must be proactive in safeguarding election infrastructure against these threats<sup>14</sup>.

### **Learn more**

1. [cisa.gov](https://www.cisa.gov)
2. [foxnews.com](https://www.foxnews.com)
3. [weforum.org](https://www.weforum.org)
4. [brennancenter.org](https://www.brennancenter.org)
5. [brennancenter.org](https://www.brennancenter.org)

Note that this page was generated by asking Microsoft Edge's Copilot about the threat of AI to the Election.