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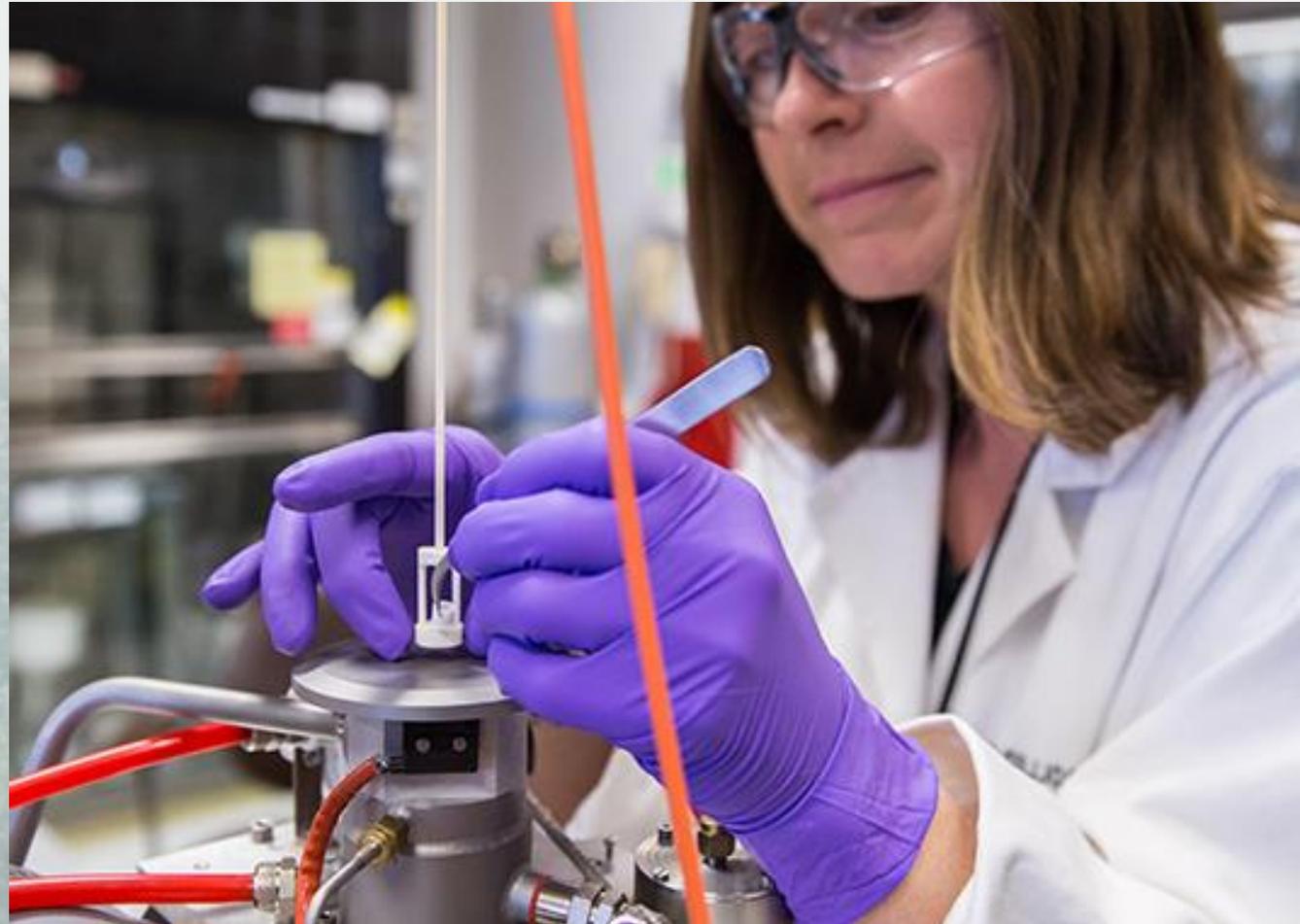
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# Continuous Vetting and the Challenges of Expanded Access to Information

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March 2026



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# Agenda

- Importance of continuous vetting
- The importance of continuous vetting for RAD licensees
- Case study – The illegitimate IT remote workforce
  - Who, what, where, when, why?
  - How?
  - Why does this case study matter to radiological security?
- Challenges associated with expanded access to information
  - Security challenges
  - Organizational challenges
- Considerations for path forward
- Discussion



# Importance of Continuous Vetting through Employment Lifecycle



# Importance of Continuous Employee Vetting

Threat landscape - When traditional vetting practices no longer suffice

- **Amplification of the threat landscape**

Increased means, motives, opportunities

- Digital transformation of enterprise and operational processes & emergence of remote work
- Access to information, and democratization of powerful technologies (AI)
- Economic uncertainty & geopolitical tensions

- **Transformation of the threat landscape**

Malicious actors are increasingly employing converging and blended methods to achieve their objectives [1]

- Converging: threat actor collaboration (conventional and cybercriminal organizations, extremist groups, malicious insiders, state-actors, even corporations)
- Blended: cyber and physical capabilities
- Objectives: financial, ideological, geopolitical or self-motivated

[Insiders are the most prominent access vector for these attacks \[1\]](#)



# Importance of Continuous Vetting for RAD Licensees



# Continuous Vetting for RAD Licensees

## Why would threat actors be interested in rad sources licence holders?

- **More vulnerable**

Rad license holders are typically less stringently regulated than their nuclear power or nuclear fuel supply chain counterparts due to lesser perceived risk

- **Still valuable!**

Access to rad license holders digital and physical environments would provides threat actors with the opportunity to :

- Illegally acquire radiological materials (radiological dispersal devices or radiological exposure devices)
- Acquire coercive leverage through operational disruptions (sabotage)
- Achieve financial gains through operational disruptions (ransomware or extortion)
- Illegally acquire intellectual property and proprietary information to advance malicious capabilities (controlled technologies)



CASE STUDY

# The Illegitimate IT Remote Workforce



# Who, What, Where, When, Why

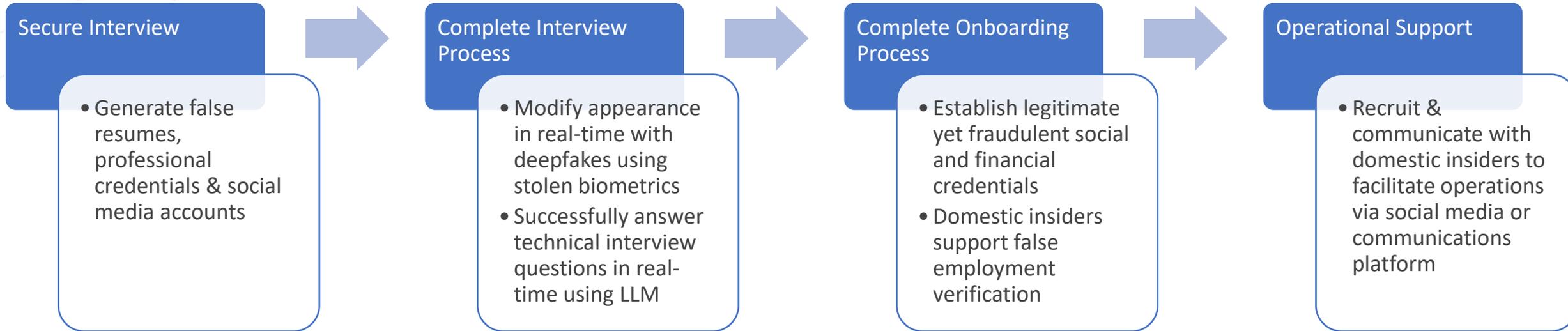
Who	Nation State-Actor
What	Implanted 3,000-10,000* remote operatives as employees in [2]
Where	<ul style="list-style-type: none"><li>• Globally, many Fortune 500 companies affected [3]</li><li>• Targets supply chain: professional services consulting (IT, cybersecurity, engineering), software and emerging technology development.</li><li>• Increased occurrences in health care and finance sectors</li></ul>
When	Since mid-2010's – Ongoing
Why	<ul style="list-style-type: none"><li>• Financial Gain (employment &amp; extortion)</li><li>• Acquire IP (controlled technologies)</li><li>• Acquire sensitive information (lay of the land, credentials, etc.)</li><li>• Establish foothold for future attacks</li></ul>



\*AI-Generated Image, Microsoft Copilot 25 February 2026

# HOW

Malicious actors leveraged accessible information online from social media, conventional & dark web, along with AI tools to:



**Result:** Malicious insider gained legitimate yet fraudulent access to organization's and, in some cases, their clients' digital environment

**Implications:** Ability to compromise the confidentiality, integrity & availability of both digital and physical information, systems, and materials

# Why does this case study matter to RAD Licence Holders?

The case study shows how expanded access to information and publicly available emerging technology can:

- Increase the risk of unknowingly hiring or contracting unqualified or illegitimate workers
- Increase the risk of procuring compromised software & applications
- Increase your employees, vendors and collaborator's exposure to exploitation, recruitment or coercion from external threat actors



# Challenges Associated with Expanded Access to Information



# Security Challenges

## Amplification of threats and severity of compromise

**Expanded access to information, especially when combined with AI [4] :**

Increases the number of threat actors, their activities & their sophistication

- Rapid upskilling - Sectors previously “off-limit” due to technical complexity are now broadly accessible
- Automation of cyberoperations
- Rapid development of advanced social engineering tactics – Synthetic identities, deepfakes, fraudulent social media accounts)

Increases severity of compromise

- Threat convergence & blended attacks



# Organizational Challenges

## Expanded access to information organizational challenges and opportunities

### RAD license holders' state of readiness

- Less stringent regulatory requirements
- Security culture
- Resource availability
- Threat awareness

### Emergence of OSINT & AI-supported continuous vetting and investigations

- Ethical considerations
- Legal considerations



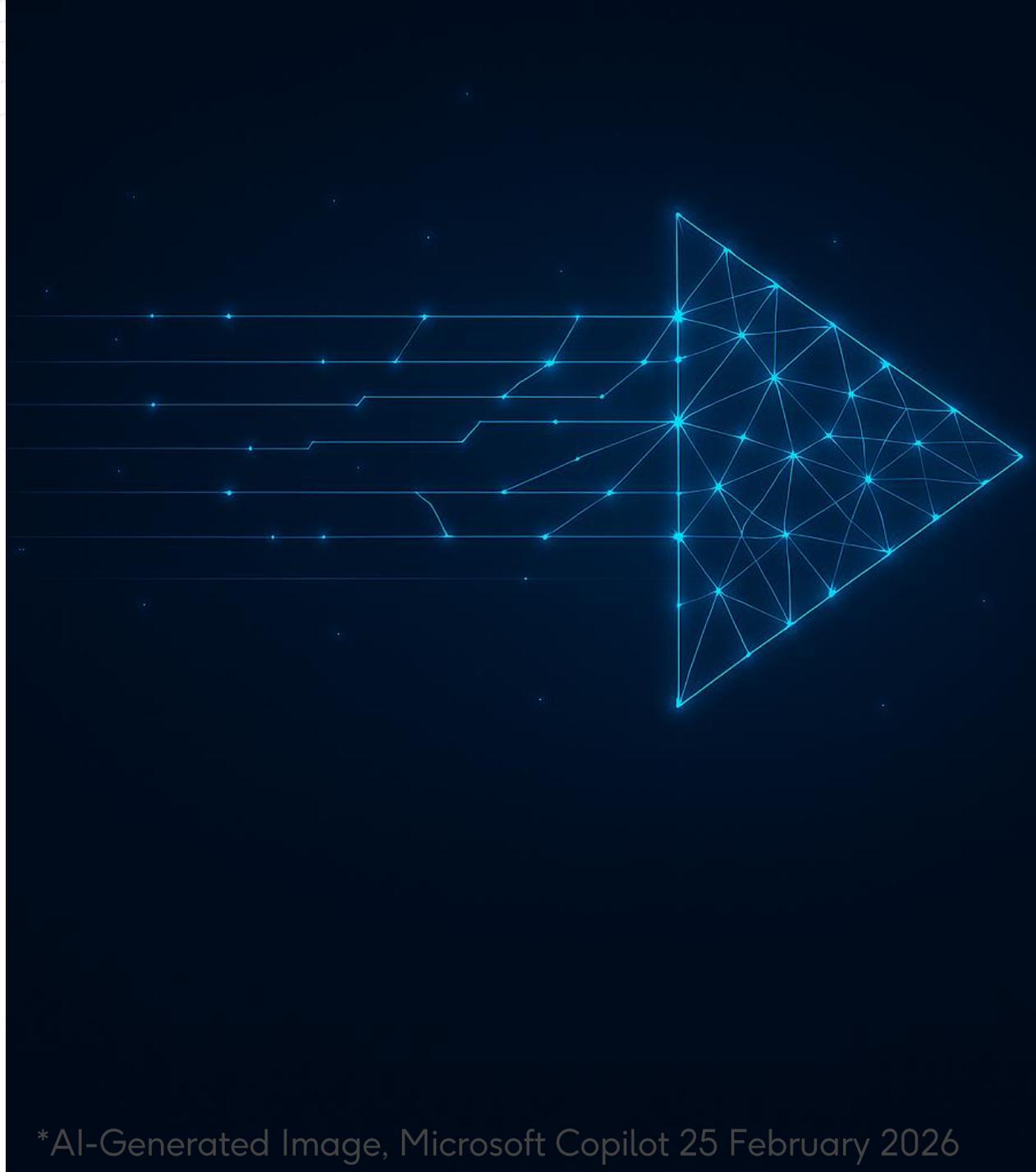
# Considerations for Path Forward



# Striking the right balance

Adapting best practices to licensee's environment and threat landscape

- Increase organization's threat awareness
  - Threat awareness champion
  - Webinars, lunch and learns, case studies
- Enhance initial vetting practices
  - Account for enduring and emerging social engineering tactics
  - Secondary validation of credentials
- Adopt a risk-based approach to ongoing vetting
  - Align vetting efforts with digital and physical access & knowledge of sensitive information



# References

- [1] Crowe, Audrey. (2026). “Mass Insider Threats - Civilians, Critical Infrastructure, and the Erosion of Sovereignty in the Grey-Zone”. In *Oxford Intersections: Borders*. Ed. Alexander Diener and Joshua Hagen. Oxford University Press. [Manuscript Submitted for Publication]
- [2] United Nations Security Council. (2023). *Midterm Report of the Panel of Experts Submitted Pursuant to Resolution 2680. S/2023/656*.  
<https://undocs.org/S/2023/656>.
- [3] Barnhart, Michael. (2025). Exposing DPRK’s Cyber Syndicate and Hidden IT Workforce. DTEX.
- [4] Crowe, Audrey. (2026). “Weaponizing the AI–Insider Convergence: How Threat Actors Hijack Legitimate Access Pathways”. In *Artificial Intelligence and the Security of Civilian Nuclear and Radioactive Materials, Facilities and Activities*. Ed. Sarah Case-Lackner. Springer . [Manuscript Submitted for Publication]

