



The Role of Emerging Technology in Combating Transnational Security Threats

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Outline

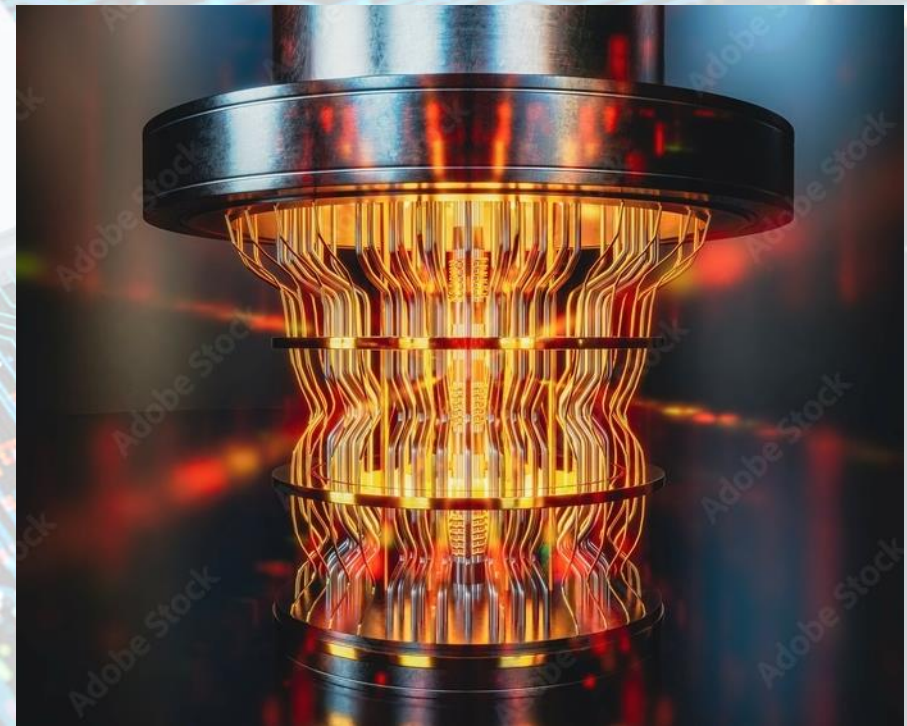
I. Introduction

II. The Role of Emerging Technology in Combating Transnational Security Threats

III. Hybrid Use of Emerging Technologies

IV. Adversary Responses and Challenges

V. Conclusion



Introduction

• Overview

- Emerging technologies in global security
- Five Eyes alliance and their role in countering transnational threats

• Purpose

- Emerging technologies reshaping the fight against transnational security threats
- Five Eyes and adversaries' engagement with these technologies



The Role of Emerging Technology in Combating Transnational Security Threats

Emerging Technologies and Their Importance

- Overview of technologies
 - AI/ML
 - Cybersecurity innovations
 - Surveillance tools
- Provide an edge in intelligence gathering and defense with these technologies



The Role of Emerging Technology in Combating Transnational Security Threats

• **Five Eyes Collaboration**

- Five Eyes alliance integrating emerging technologies to enhance intelligence sharing
- Real-time data exchange and surveillance for counterterrorism efforts

• **Adversary Engagement**

- Rogue states and terrorist groups adopting and adapting
- The evolving nature of threats



Hybrid Use of Emerging Technologies

- **Definition and Concept of Hybrid Technology**

- Hybrid use of technology (combining traditional and new tech)

- **Applications of Hybrid Technologies**

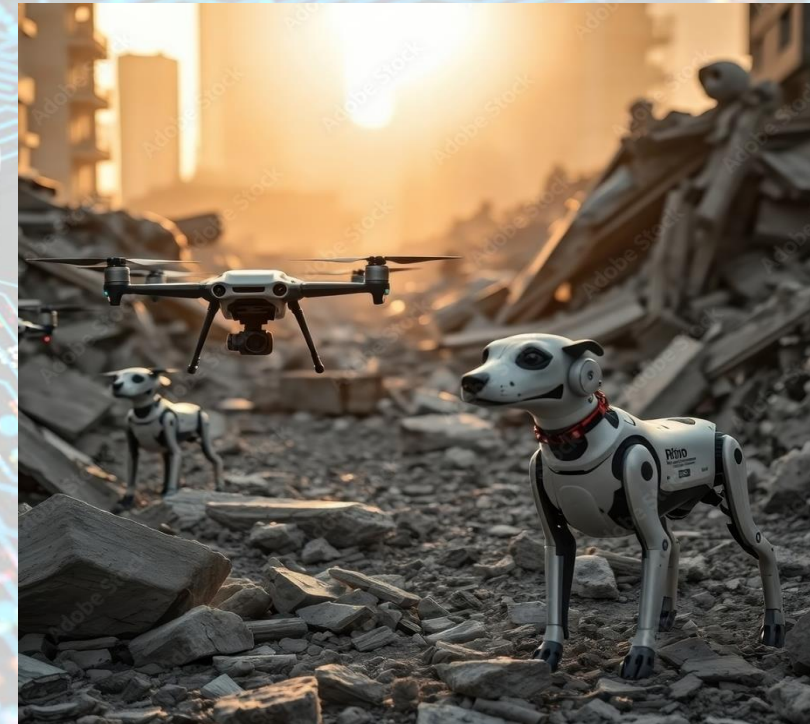
- AI and machine learning in intelligence and decision-making
- Blockchain for secure communication
- Quantum computing & blockchain for encryption and cybersecurity
- Drones and autonomous systems for surveillance and defense



Hybrid Use of Emerging Technologies

Strategic Impact of Hybrid Technologies

How these technologies are enhancing security operations



Hybrid Use of Emerging Technologies

Strategic Impact of Hybrid Technologies

- Benefits of hybrid strategies
 - Faster responses
 - Greater agility in systems
 - Enhanced defense capabilities



Adversary Responses and Challenges

• Adversary Adaptation

- Adversarial use of hybrid tech strategies to counter the Five Eyes
- Examples of AI-driven cyberattacks, encrypted communication, and exploiting technological vulnerabilities

• Challenges in Combating Adversary Use of Emerging Tech

- Evolving nature of threats and technology arms races
- The risk of adversaries staying one step ahead
- Ethical and legal dilemmas of hybrid tech in defense



Conclusion

Summary of Key Points

- The role of emerging technologies in strengthening security
- Five Eyes and adversaries are engaging with these technologies in a hybrid manner



Conclusion

Final Thoughts

We need continuous innovation and adaptation to stay ahead in the global security landscape

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Questions & Answers





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