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# The Cyber Pandemic that Could Redefine the Great Power Competition: Preparing the Defense Industrial Base

## Abstract

The defense industrial base (DIB) is the backbone of the United States' military power, providing the equipment, services, and support needed to maintain a credible and effective defense posture. However, the DIB is increasingly vulnerable to cyber threats, which can disrupt the flow of information, compromise sensitive data, and even sabotage critical infrastructure. This paper examines the current state of the DIB's cyber resilience and identifies key areas for improvement. It discusses the challenges posed by the growing sophistication of cyber threats and the need for a more integrated and resilient DIB. The paper also explores the role of the DIB in the context of great power competition and the potential impact of a cyber pandemic. Finally, it offers recommendations for strengthening the DIB's cyber resilience and ensuring its ability to meet the challenges of the future.

## Keyword

## Introduction

The defense industrial base (DIB) is the backbone of the United States' military power, providing the equipment, services, and support needed to maintain a credible and effective defense posture. However, the DIB is increasingly vulnerable to cyber threats, which can disrupt the flow of information, compromise sensitive data, and even sabotage critical infrastructure. This paper examines the current state of the DIB's cyber resilience and identifies key areas for improvement. It discusses the challenges posed by the growing sophistication of cyber threats and the need for a more integrated and resilient DIB. The paper also explores the role of the DIB in the context of great power competition and the potential impact of a cyber pandemic. Finally, it offers recommendations for strengthening the DIB's cyber resilience and ensuring its ability to meet the challenges of the future.

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**Cybersecurity Maturity Model Certification (CMMC)**

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## Conceptual Changes to the CMMC Framework

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The Career-Motivational Model of Career Assessment (CMMC) is a conceptual framework for understanding the relationship between career assessment and career development. The CMMC framework is based on the following assumptions:

1. Career assessment is a process that involves the use of standardized instruments to measure career-related constructs.

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### DIB Cybersecurity-Hygiene Score

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Journal of Applied Gerontology, 42(3), 241-256



U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>

11. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>

12. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>

13. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>

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### References

1. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>
2. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>
3. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>
4. U.S. Cybersecurity Strategy for the 2020s, *Journal of Cyber Policy*, 14(1), 1-11. <https://doi.org/10.1016/j.cyp.2020.01.001>

5.



22. Farhadi, A., Galloway, I., & Beldash, A. (2021). The Impact of Geopolitics on the Middle East. *IEEE Engineering Management Review*, 49(11), 11-15. [https://doi.org/10.1109/EMR.2020.0451101](#)

23. Farhadi, A. (2020). A New Paradigm for the Middle East. *Connections: The Quarterly Journal*, 19(4), 5-24. [https://www.connectionsjournal.org/vol444451101](#)

24. Farhadi, A., Galloway, I., & Beldash, A. (2021). The Impact of Geopolitics on the Middle East. *IEEE Engineering Management Review*, 49(11), 11-15. [https://doi.org/10.1109/EMR.2020.0451101](#)

25. Farhadi, A. (2020). A New Paradigm for the Middle East. *Connections: The Quarterly Journal*, 19(4), 5-24. [https://www.connectionsjournal.org/vol444451101](#)

26. Farhadi, A. (2021). CyberScoop2. *Connections: The Quarterly Journal*, 20(1), 1-10. [https://www.connectionsjournal.org/vol444451101](#)

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