

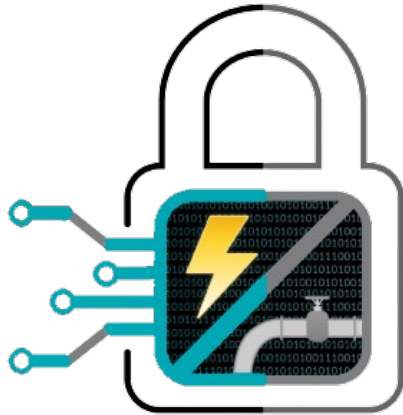
Paperwork Reduction Act Burden Disclosure Statement

This data is being collected to gather information regarding individual participants of the CyberForce Competition®. The data you supply will be used to help understand the background of competition participation, competition experience, impacts of the competition, as well as the impact of the incorporation of the NICE Framework. This is to identify strengths and areas for improvement to implement future competitions.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Enterprise Policy Development & Implementation Office, IM-22, Information Collection Management Program (1910-5160), U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC 20585; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project (1910-5160), Washington, DC 20503.

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Submission of this data is voluntary.



U.S. DEPARTMENT OF ENERGY'S

**CYBERFORCE
COMPETITION**[®]

DEFENDING U.S. ENERGY INFRASTRUCTURE

CyberForce Competition[®] Post Survey and Skill Set

Competition: Background

1. How did you first hear about the Department of Energy CyberForce Competition[®]?
 - A laboratory employee
 - CyberForce[®] email/ mailing list
 - My advisor
 - Another Student
 - Other
2. Did you participate in the 2022 Department of Energy CyberForce Competition[®]?
 - Yes
 - No

3. Please indicate your preference in participating in CyberForce Competitions:

1	2	3	4	5
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Prefer in Person

Prefer Virtual

4. Have you participated in other competitions which incorporated requirements to build and defend a network from live attackers at other institutions?

- Yes
- No

5. If yes, please name the other competitions.

6. Please indicate your role in this year's CyberForce Competition® ?

- Participant (blue team) [Go to Participants: Pre-Event]
- Volunteer (scoring assistant, red or green teams) [Go to Volunteer]
- Blue Team mentor [Go to Mentors]

Participants: Pre-Event

7. Please rate the following aspects of the competition registration and selection process.

8.	Excellent	Above Average	Average	Below Average	Poor	If
Ease of online registration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Clarity of competition rules and expectations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

applicable, what specific feedback do you have regarding the competition scenario?

9. Approximately how many hours did you personally spend preparing for the competition (prior to on-site setup and the event itself)?

Participants: Background

10. What is your current academic status?

- Seeking two-year degree
- Seeking four-year degree
- Seeking Master's degree
- Seeking Ph.D.
- Non degree seeking

11. Do you intend to pursue a graduate degree in a field or fields related to cyber research?

- Yes
- No
- Unsure

Participants: Competition Impacts

12. How much did this competition impact your INTEREST in each of the following?

	Slightly increased	Neither increased nor decreased	Slightly decreased	Greatly decreased	Greatly increased
Cybersecurity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial Controls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy Sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. How much did this competition impact your KNOWLEDGE of each of the following?

Greatly increased	Slightly increased	Neither increased	Slightly decreased	Greatly decreased
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			nor decreased		
Cybersecurity	0	0	0	0	0
Industrial Controls	0	0	0	0	0
Energy Sector	0	0	0	0	0

14. How much did this competition impact your SKILLS of each of the following?

	Greatly increased	Slightly increased	Neither increased nor decreased	Slightly decreased	Greatly decreased
Cybersecurity	0	0	0	0	0
Energy Sector	0	0	0	0	0

15. How much did this competition impact your DESIRE TO PURSUE A CAREER related to each of the following?

	Greatly increased	Slightly increased	Neither increased nor decreased	Slightly decreased	Greatly decreased
Cybersecurity	0	0	0	0	0
Industrial Controls	0	0	0	0	0
Energy Sector	0	0	0	0	0

Participants: NICE Framework Skills

16. Individual ID

17. Thinking about the competition you just completed, and using the below scale, please rate your proficiency now as it relates to your abilities related to each of the following areas below from the NICE Framework.

<https://www.nist.gov/it/applied-cybersecurity/nice/nice-framework-resource-center>

	Beginning	Approaching	Meeting	Exceeding
[Securely Provision]: Conceptualizes, designs, procures, and/or builds secure information technology (IT) systems, with responsibility for aspects of system and/or network development.	0	0	0	0
[Operate & Maintain]: Provides the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security	0	0	0	0
[Protect & Defend]: Provides leadership, management, direction, or development and advocacy so the organization may effectively	0	0	0	0

conduct cybersecurity work.

[Analyze]: Identifies, analyzes, and mitigates threats to internal information technology (IT) systems and/or networks.

0 0 0 0

[Oversee & Govern]: Performs highly specialized review and evaluation of incoming cybersecurity information to determine its usefulness for intelligence.

0 0 0 0

[Collect & Operate]: Provides specialized denial and deception operations and collection of cybersecurity information that may be used to develop intelligence.

0 0 0 0

[Investigate]: Investigates cybersecurity events or crimes

0 0 0 0

related to information technology (IT) systems, networks, and digital evidence.

18. Please rank your level of interest in a career in IT security.

<https://www.gartner.com/en/information-technology/glossary/cybersecurity>

1	2	3	4	5
Not interested			Very Interested	

19. Please rank your level of interest in a career in operational technology (OT) security?

<https://www.gartner.com/en/information-technology/glossary/operational-technology-ot>

1	2	3	4	5
Not interested			Very Interested	

20. To what extent did your participation in this CyberForce Competition increase your interest in a cybersecurity career?

- No change in interest
- Some change in interest
- A significant change in interest

21. Please tell us about your confidence in your ability to participate in a cybersecurity competition like CyberForce.

	Not at all confident	Not confident	Neutral	Confident	Very Confident
Before CyberForce	0	0	0	0	0
After CyberForce	0	0	0	0	0

22. In one sentence, please state what you learned from this competition. [after completion, Go to Competition: Close]

Volunteers

23. On which volunteer team did you participate?

- Red
- Green
- CISO Panel
- Security Documentation Graders

24. Please rate your impression of the following items specific to your competition involvement.

	Excellent	Above Average	Average	Below Average	Poor
Details regarding your team's role and responsibilities	0	0	0	0	0
Clarity of competition rules and expectations	0	0	0	0	0
Guidance regarding team rating/scoring	0	0	0	0	0

Your overall
volunteer
experiences

0

0

0

0

0

25. If applicable, what specific feedback do you have regarding your competition involvement?

26. What is your industry?

- Academia
- Agriculture
- Construction
- Education
- Financial services
- Government
- Healthcare
- Hospitality
- Information
- Trade
- Transportation/Warehousing
- Utilities
- Other: Please name

27. What is your primary field?

- Cybersecurity
- Information systems other than cybersecurity
- Other _____

28. How many years of combined education and experience do you have in this field? [after completion, Go to Competition: Close]

Mentors

29. Is this your first time mentoring for the CyberForce Competition?

- Yes
- No

30. If yes, how many years /competitions have you mentored?

31. What is your role at the university?

32. Do you feel the CyberForce Competition provides additive value to the students participating in conjunction with their regular schoolwork?

- Yes
- No

33. Briefly, please provide context to what your role as mentor meant for your CyberForce team(s).

34. What level of involvement do you have with your team for the competition?

- None
- Minimal
- Moderate
- Significant

35. Are there specific things you would like to see for mentors on the competition day? [after completion, Go to Competition: Close]

Competition: Close

36. Suggestions of other programming ideas.

37. How likely are you to return for the Fall 2024 competition?

- Likely
- Unlikely due to graduating
- Unlikely due to little value
- Unlikely: other

Unsure at this time

38. If you have feedback regarding items not previously addressed in this survey, please share it here.
