

Exam Blueprint – Certified Critical Infrastructure

Below is the exam blueprint based off the job task analysis, SME, and ISP psychometric process to verify reliability, validity, and fairness. The tables below identify the proportion of questions from each domain and passing score that will appear on the assessment. The assessment will include the application of concepts, knowledge and comprehension, definitions, synthesis, evaluation, development of conclusions, ideas and recommendations for action based on hypothetical situations.

Domain	Percentage of Items on Test	% of exam questions	Number of Questions (100)
Chemical Sector	5%	5%	5
Critical Infrastructure: <ul style="list-style-type: none"> • Dams • Energy • Water • Communications 	20%	20%	20
Food and Agriculture Sector	7%	7%	7
Transportation Systems Sector	7%	7%	7
Financial Services Sector	6%	6%	6
Information Technology Sector	8%	8%	8
Nuclear Reactors, Materials, and Waste Sector	8%	8%	8
Critical Manufacturing Sector	6%	6%	6
Defense Industrial Base Sector	6%	6%	6
Commercial Facilities Sector	6%	6%	6
Emergency Services Sector	8%	8%	8
Healthcare and Public Health Sector	6%	6%	6
Government Facilities	7%	7%	7
		Passing %: 80	Passing Score: 80
Chemical Sector			
Domain Task	Percentage		
1.	Understand: The Sector-Specific Agency and the players within the sector.		
2.	Analyze: The importance of the Chemical Sector.		
3.	Applying: The disruption of a disaster in the Chemical Sector and its effects.		
4.	Analyze: The threats that could affect the sector		
5.	Remembering: The secondary impacts if there is a disruption in the chemical sector.		
6.	Evaluating: The Sector Specific Plans		
7.	Evaluate: Case Study of Arkema Inc 2017		
Critical Infrastructure			
Domain	Percentage		
1.	Understand: PPD-21 (Critical Infrastructure Security and Resilience) and HSPD-7 (Critical Infrastructure Identification)		
2.	Understand: The National Infrastructure Protection Plan.		
3.	Analyze: The challenges for Critical Infrastructure Protection Plan.		
4.	Analyze: Critical infrastructure information and information sharing		

5.	Understand: PPD-21 (Critical Infrastructure Security and Resilience) and HSPD-7 (Critical Infrastructure Identification)
6.	Understand: The Sector-Specific Agency and the players within the sector.
7.	Analyze: The importance of the Communications Sector.
8.	Applying: The disruption of a disaster in the Communications Sector and its effects.
9.	Analyze: The threats that could affect the sector
10.	Remembering: The secondary impacts if there is a disruption in the chemical sector.
11.	Evaluate: Article “What happens when telecommunications fail during a disaster?”
12.	Analyze: The importance of the Dams Sector.
13.	Applying: The disruption of a disaster in the Dams Sector and its effects.
14.	Remembering: The secondary impacts if there is a disruption in the dams sector.
15.	Evaluate: Case Studies of the Guajataca Dam 2017
16.	Analyze: The importance of the Energy Sector.
17.	Applying: The disruption of a disaster in the Energy Sector and its effects.
18.	Analyze: The threats that could affect the sector
19.	Remembering: The secondary impacts if there is a disruption in the energy sector.
20.	Evaluate: Case Studies of the UK National Grid
21.	Analyze: The importance of the Water and Wastewater Sector
22.	Applying: The disruption of a disaster in the Water and Wastewater Sector and its effects.
23.	Analyze: The threats that could affect the sector
24.	Remembering: The secondary impacts if there is a disruption in the water and wastewater sector.
25.	Evaluate: Case Studies of 2014 Contamination of Elk River in Charleston, West Virginia
26.	Analyze: The importance of the Communications Sector.
27.	Applying: The disruption of a disaster in the Communications Sector and its effects.
28.	Remembering: The secondary impacts if there is a disruption in the chemical sector.
29.	Evaluate: Article “What happens when telecommunications fail during a disaster?”
Food and Agriculture Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Food and Agriculture Sector.
3.	Applying: The disruption of a disaster in the Food and Agriculture Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the food and agriculture sector.
Transportation Systems Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Transportation Sector.
3.	Applying: The disruption of a disaster in the Transportation Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the transportation sector.
6.	Evaluate: Case Study of 2012 Paulsboro Train Derailment
7.	Understand: The Sector-Specific Agency and the players within the sector.
Financial Services Sector	
Domain	Percentage

1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Financial Services Sector.
3.	Applying: The disruption of a disaster in the Financial Services Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the financial services sector.
6.	Analyze: Article “Banking on Failure: FDIC Shutting Down Insolvent Banks at a Record Pace”
7.	Analyze: The importance of the Financial Services Sector.
Information Technology Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector
2.	Analyze: The importance of the Information Technology Sector
3.	Applying: The disruption of a disaster in the Information Technology Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the information technology sector.
6.	Understand: The Sector-Specific Agency and the players within the sector
7.	Analyze: The importance of the Information Technology Sector
8.	Applying: The disruption of a disaster in the Information Technology Sector and its effects.
Nuclear Reactors, Materials, and Waste Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Nuclear Reactors, Materials, and Waste Sector.
3.	Applying: The disruption of a disaster in the Nuclear Reactors, Materials, and Waste Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the nuclear reactors, materials, and waste sector.
6.	Analyze: Article “Perry: Threat to US nuclear reactors ‘real,’ ongoing
7.	Analyze: The importance of the Nuclear Reactors, Materials, and Waste Sector.
8.	Applying: The disruption of a disaster in the Nuclear Reactors, Materials, and Waste Sector and its effects.
Critical Manufacturing Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Critical Manufacturing Sector.
3.	Applying: The disruption of a disaster in the Critical Manufacturing Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the critical manufacturing sector.
6.	Evaluate: Case Studies of Chrysler car-hacking
7.	Understand: The Sector-Specific Agency and the players within the sector.
8.	Analyze: The importance of the Critical Manufacturing Sector.
9.	Applying: The disruption of a disaster in the Critical Manufacturing Sector and its effects.
Defense Industrial Base Sector	
Domain	Percentage
1.	Analyze: The importance of the Defense Industrial Base Sector.

2.	Applying: The disruption of a disaster in the Defense Industrial Base Sector and its effects.
3.	Analyze: The threats that could affect the sector
4.	Remembering: The secondary impacts if there is a disruption in the defense industrial base sector.
5.	Analyze: How to advance R.I.'s defense industry
6.	Understand: The Sector-Specific Agency and the players within the sector.
7.	Analyze: The importance of the Defense Industrial Base Sector.
8.	Applying: The disruption of a disaster in the Defense Industrial Base Sector and its effects.
Commercial Facilities Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Commercial Facilities Sector.
3.	Applying: The disruption of a disaster in the Commercial Facilities Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the commercial facilities sector.
Emergency Services Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Emergency Services Sector.
3.	Applying: The disruption of a disaster in the Emergency Services Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the emergency services sector.
Healthcare and Public Health Sector	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Healthcare and Public Health Sector.
3.	Applying: The disruption of a disaster in the Healthcare and Public Health Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the healthcare and public health sector.
6.	Evaluate: Case Studies of FBI's Warning to Health Care Sector Holds True
Government Facilities	
Domain	Percentage
1.	Understand: The Sector-Specific Agency and the players within the sector.
2.	Analyze: The importance of the Government Facilities Sector.
3.	Applying: The disruption of a disaster in the Government Facilities Sector and its effects.
4.	Analyze: The threats that could affect the sector
5.	Remembering: The secondary impacts if there is a disruption in the government facilities sector.
6.	Evaluate: Case Study of Oklahoma City Bombing

Sample Multiple Choice Test Questions

One of the objectives of the _____ is building partnerships to share information and implement critical infrastructure security and resilience programs.

- A. The Critical Infrastructure Recovery Plan
- B. The National Infrastructure Protection Plan**
- C. The National Response Plan
- D. The National Preparedness Goal

PPD-21 prescribes Sector Specific Agencies with all of the following roles and responsibilities, EXCEPT:

- A. Carry out incident management responsibilities consistent with statutory authority and other appropriate policies, directives, or regulations.
- B. Ensure that funding priorities are addressed and that resources are allocated efficiently and effectively.**
- C. Serve as a day-to-day Federal interface for the dynamic prioritization and coordination of sector-specific activities.
- D. Provide, support or facilitate technical assistance and consultations for specific sector to identify vulnerabilities and help mitigate incidents, as appropriate.

Which of the following threats should we prioritize the highest when managing risk?

- A. Threats with the greatest consequence should they occur.**
- B. Threats with the lowest probability of occurring.
- C. Threats that are confined to residential neighborhoods.
- D. Threats that are limited to publicly-owned infrastructure.