



Cybersecurity Plan Template

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# Form Instructions

This cybersecurity plan template form (Template) is used by competitors to create a detailed project Cybersecurity Plan (Plan). The template includes space for important details that need to be considered, such as the goals, activities and milestones, timelines, and resources associated with the Plan. This ensures that nothing is forgotten and that the project cybersecurity runs smoothly.

This Template helps competitors outline a plan of action for project cybersecurity. The Template can be a helpful tool for competitors to create a comprehensive Plan to protect their project’s computer networks and systems. The benefits of using this Template include having a starting point for creating a Plan, ensuring that the essential elements are included, and having a guide on what needs to be in it. Project teams should create a manageable Plan that includes the elements in the categories in this Template.

To fill out this form, the competitor will need to provide some basic information in their responses. Each category has a note that will help guide the response to the questions. Capitalized terms are defined in the Glossary, and CESER’s website has tools and resources that the project team may find useful when completing this template, including the DOE’s Cybersecurity Capability Maturity Model (C2M2).

Competitors are encouraged to leverage existing DOE tools and resources and integrate them into their Plan. Appendix 1 contains links to some online tools and resources, including DOE programs

The Department recommends using open guidance and standards such as [the National Institute of Standards and Technology’s (NIST) Cybersecurity Framework (CSF)](https://www.nist.gov/cyberframework/framework) and the [C2M2 V2.1](https://c2m2.doe.gov/C2M2%20Version%202.1%20June%202022.pdf). This Cybersecurity Plan should document any deviation from open standards in responses in this template. The competitor should also document where proprietary standards are utilized in responses in this template. Appendix 2 has links to useful guidance and standards that can help when designing the Plan.

The competitor should not include Critical Energy Infrastructure Information (CEII) or other sensitive information, including personnel, confidential business, or procurement sensitive detail in its responses.

# Disclaimer

Submission of a Cybersecurity Plan based on this form to DOE does not satisfy any regulatory or other requirement regarding cybersecurity planning, implementation, or reporting. The Recipient remains solely responsible for identifying and complying with all requirements imposed by other entities (including those pertaining to cybersecurity).

Neither the U.S. Government nor any agency thereof, nor any of their employees nor its contractors, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the U.S. Government or any agency thereof.

The Secretary of Energy has determined that the release of information provided to or collected herein by the Federal Government as part of this cybersecurity plan, as described in Pub. L. 117-58 § 40126, 42 U.S.C. § 18725, (Cybersecurity Plan), could be detrimental to the physical security or cybersecurity of an electric utility or bulk-power system. Therefore, pursuant to Pub. L. 117-58 § 40126(e), such information shall be exempt from disclosure otherwise required by the Freedom of Information Act, as codified at 5 U.S.C. § 552. This exemption is limited to information provided to or collected by the Federal Government described in Pub. L. 117-58 § 41026, 42 U.S.C. §18725.

# About the Project

* 1. **Project Title:**
  2. **Asset, Change, and Configuration Management**

Outline the plan to maintain an Asset Inventory and configuration management of the digital Assets and systems used in the project

*Note: It is important to have an inventory of Assets for the project to manage risk. The inventory should include information on the Asset model number, software version number, Asset location, owner of the Asset, and priority of the Asset for the project. The Plan needs an effective configuration and change management process to avoid introducing Cybersecurity Vulnerabilities into the operating Cybersecurity Environment.*

*Change control applies to the entire project Asset lifecycle. Change control process steps usually include the following activities: requirements definition, testing, deployment, maintenance, and retirement from operation. The Cybersecurity Plan should provide a brief high-level description of the project’s Assets and Critical Assets and describe the high-level processes that will be followed to develop and maintain an Asset inventory, manage asset configuration, and provide change control.*

1. What are the project’s Assets and Critical Assets? *Provide a high-level description of the types of Assets that are part of the project.*
2. What is the project team’s plan to implement and maintain an Asset Inventory (including both IT and OT assets), provide configuration management, and govern the change control process? *Provide a high-level description of the plan and its commitment to develop and implement relevant policies and procedures.*
3. Which cybersecurity standards, guidelines, industry best practices, or guidance, etc. (if applicable) are the project team planning to use to support project team management of digital Assets?
4. Describe how the project team plans to assign proper resources (people, funding, and time), roles, and responsibilities for managing the Cybersecurity Plan’s digital Assets and systems.
   1. **Threat and Vulnerability Management**

Outline the plan to monitor Cybersecurity Threats and Cybersecurity Vulnerabilities in project digital systems and Assets.

*Note: Cybersecurity Threat (threat) identification and response begins with collecting useful Threat information from reliable sources, interpreting that information, and responding to Threats that can have the means, motive, and opportunity to affect the delivery of services.*

*Reducing Cybersecurity Vulnerabilities (Vulnerabilities) begins with collecting and analyzing Vulnerability information. Discovery of Vulnerabilities that could affect the delivery of services can include tools such as scanning tools, penetration tests, cybersecurity exercises, and audits. Analysis should include the potential effect of the vulnerability on exposed project Assets and Critical Assets, and the importance of the exposed Asset in project cybersecurity. Vulnerabilities may be addressed by implementing mitigating controls, monitoring threat status, applying cybersecurity patches, replacing outdated equipment, or performing other activities.*

1. What is the project team’s plan to identify and address project Cybersecurity Vulnerabilities and Cybersecurity Threats? *Provide a high-level description of the plan and the project team’s commitment to identify and address vulnerabilities and threats.*
2. Which standards, guidelines, industry best practices, or guidance, etc. (if applicable) is the project team planning to use to manage Cybersecurity Threats and Vulnerabilities?
3. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for managing Cybersecurity Vulnerability and Cybersecurity Threats? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*
   1. **Risk Management**

Outline the plan to evaluate project Cybersecurity Risks and make Risk Management decisions

*Note: Cybersecurity Risk (Cyber Risk) is defined as the possibility of harm or loss due to unauthorized access, use, disclosure, disruption, modification, or destruction of IT, OT, or information assets. Managing project Cyber Risk involves Risk Framing, identifying, and assessing risks, responding to risks (by accepting, avoiding, mitigating, and/or transferring risks), and monitoring risks over time. The use of a risk register—a list of risks and associated attributes—can help the process of Risk Management.*

1. What is the project team’s plan to identify and address project Cyber Risks? *Provide a high-level description of the plan and its commitment to identify and address Cyber Risks.*
2. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will be used to support the project Risk Management program.
3. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for managing Cyber Risks? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*
   1. **Identity and Access Management**

Outline the plan to limit access to systems and Assets used in the project

*Note: In order to protect project Assets, it is important that the Plan ensures access controls are in place. This includes limitations on logical and physical access to project data and Assets. Access control applies to individuals, devices, systems, and processes. This includes hardware, such as computer systems; software that runs on those systems that supply services like data storage; processes that involve people’s actions at work—like employees logging onto their accounts online before beginning work tasks each day. It also involves protecting information stored within a project network from external threats by using controls like encryption certificates. The project Plan should include maintaining identities, determining access requirements, granting access based on those requirements, and revoking access when it is no longer required. Improper access management practices can lead to unauthorized use, disclosure, destruction, or modification of project Assets.*

1. What is the project team’s plan to establish identities (for people and Assets) and manage authentication? *Provide a high-level description of the plan to establish identities and manage authentication.*
2. What is the project team’s plan to control access (including logical/electronic and physical access) to the project’s key systems and critical assets? *Provide a high- level description of the plan to control access.*
3. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will be used to support the project access management program?
4. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for managing access to systems and assets? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*
   1. **Situational Awareness**

Outline the plan to monitor the Cybersecurity Environment and maintain Situational Awareness.

*Note: Situational Awareness involves developing near-real-term knowledge of a dynamic operating environment. It’s the ability to perceive and comprehend how things are changing in your environment. It establishes and maintains activities and technologies, to collect, monitor, alarm, report, and use operational, security, and threat information. The project team can establish Situational Awareness by monitoring the project’s IT, OT, and communication Assets. It is critical to know what other systems may be compromising or attacking yours. The project team can, for example, monitor and analyze data collected in logs to help understand the operational and cybersecurity status of project.*

What is the project team’s plan to conduct monitoring (logging and analysis) activities to identify potentially malicious activity on its systems? *Provide a high- level description of the plan and its commitment to develop and implement relevant policies and procedures.*

1. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will be used to support the project’s situational awareness program?
2. What is the Project team’s plan to assign proper resourcing, roles, and responsibilities for managing situational awareness activities? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*
   1. **Event and Incident Response, Continuity of Operations**

Outline the plan to respond to cybersecurity events and incidents.

*Note: The project team can mitigate the impact of Cybersecurity Events (Events) or Cybersecurity Incidents (Incidents) by preparing for them ahead of time. The project team should set up a plan to detect Events, including a process for reporting them, and outlining criteria for when a certain event is considered an Incident. The response plan helps the team appropriately deal with the aftermath of Events and Incidents. The incident response plan should include all phases of the Incident lifecycle—from triage, handling, communication, coordination, to recovery. Cybersecurity Events and Cybersecurity Incidents can also trigger external obligations like reporting to regulatory bodies.*

1. What is the project team’s plan to detect, characterize, and respond to Cybersecurity Events?
2. Which standards, guidelines, industry best practices guidance, etc. (if applicable) is the Project team planning to use to support its Cybersecurity Event and Cybersecurity incident response program?
3. What is the Project team’s plan to assign proper resourcing, roles, and responsibilities for managing the program’s response to Cybersecurity Events and Incidents?
   1. **Supply Chain and Third-Party Risk Management**

Outline the plan to address Cybersecurity Supply Chain issues and Third- Party dependencies.

*Note: Without proper Third-Party Risk Management, the acquisition of products and services poses serious risks. Cybersecurity Supply Chain and Third-Party dependencies can expose project Assets to risks. The risks include acquiring software of unknown provenance, buying counterfeit (possibly malicious) hardware, and providing system access to external entities with inadequate security. Project teams can address this risk by exercising care when buying products and services, especially if they are from unknown sources that might not be safe. One way project teams address this risk is to supply specifications to their suppliers of systems, devices, and services to ensure they are secure and of good quality. Keep in mind that the cybersecurity characteristics of products and services vary widely.*

1. What is the project team’s plan to identify and manage Cybersecurity Risks associated with its supply chain and Third Parties (e.g., partners, contractors, or service providers who have access to internal company or customer data, systems, processes, or other privileged information)? *Provide a high-level description of the plan and its commitment to manage the cybersecurity risks associated with the supply chain and third parties.*
2. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will be used to support the project’s management of supply chain and Third-Party Risk Management program?
3. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for managing the cybersecurity risks associated with its program’s supply chain and risk involving third parties? *Provide a high-level description of how resources, roles, and responsibilities will be managed*
   1. **Training**

Outline the plan to prepare the project team to recognize and address cybersecurity issues.

*Note: Even if project team members have an education and experience in cybersecurity, they may need more training to be able to recognize cybersecurity issues as they come up. This is also true for service providers. Conducting periodic security awareness activities or exercises can help mitigate social engineering and other threats. The project team should evaluate the activities and exercises it performs to improve and update training. Additionally, vetting personnel through, for example, background checks and behavioral observation activities can also reduce Cybersecurity Risks.*

1. What is the project team’s plan to provide cybersecurity training and awareness activities for its workforce? *Provide a high-level description of the plan and its commitment to provide cybersecurity and awareness activity for the project workforce.*
2. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will the project team use to support the project workforce training and awareness program?
3. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for managing the cybersecurity risks associated with its project’s workforce? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*
   1. **Cybersecurity Architecture**

Outline the plan to implement and maintain a secure project Cybersecurity Architecture.

Note: Establishing cybersecurity architecture involves identifying cybersecurity requirements for the project’s Assets and designing appropriate controls to protect them. Cybersecurity Architecture includes network design and protections, security, and data security. The effectiveness of the Cybersecurity Architecture is judged by how well the security controls work, individually and together, to achieve the desired level of project security.

1. What is the project team’s plan to implement proper network protections as an element of the project’s Cybersecurity Architecture? *Provide a high-level description of the plan and its commitment to implement appropriate network protections.*
2. What is the project team’s plan to implement software and data security as an element of the Cybersecurity Architecture? *Provide a high-level description of the plan and its commitment to develop and implement software and data security.*
3. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will the project team use to support the project’s Cybersecurity Architecture program?
4. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for managing activities related to maintaining a secure Cybersecurity Architecture? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*
   1. **Cybersecurity Program Management**

Outline the plan to allocate resources and assign roles and responsibilities for Project cybersecurity management.

*Note: Cybersecurity management involves planning and implementing activities that meet project Cybersecurity Objectives. Those activities include setting up and overseeing a proper set of cybersecurity policies and procedures and organizing cybersecurity self- assessment activities.*

*Sponsorship is a key element in cybersecurity management, as the sponsor provides resources like people, tools, and funding to help with implementation. The role of the sponsor is essential to the success of a cybersecurity plan.*

1. What is the project team’s plan to manage the project's cybersecurity program? *Provide a high-level description of the plan for the overall management of the project’s cybersecurity program.*
2. Which standards, guidelines, industry best practices guidance, etc. (if applicable) will the project team use to support you’re the project’s cybersecurity management program?
3. What is the project team’s plan to assign proper resourcing, roles, and responsibilities for the management of cybersecurity? *Provide a high-level description of how resources, roles, and responsibilities will be managed.*

# Glossary of Terms

The Terms defined below guide IIJA Recipients in understanding and completing this cybersecurity plan template. The Terms are adapted from sources (e.g., the C2M2 Glossary, NIST Information Technology Laboratory Computer Security Resource Center Glossary) to align with the development of cybersecurity plans

|  |  |
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| **Term** | **Definition** |
| **Assets** | For the purposes of this template, assets are hardware and software, as well as information essential to operating the project, including interconnected or interdependent business and technology systems and the environment in which they operate. (https://c2m2.doe.gov/glossary#A) |
| **Asset Inventory** | A list of assets including identification and location information. ( https://csrc.nist.gov/glossary/term/inventory) |
| **Critical Assets** | Project assets that that if impacted by a cyber attack would have an immediate or severe on the Project. |
| **Cybersecurity Architecture** | An overarching Cybersecurity Plan for engineering and designing controls to protect a project’s Critical Assets controls can involve network design, network protections, application/software security, and data security. The Cybersecurity Architecture transcends point solutions for individual Assets, such as identity management or access control. |
| **Cybersecurity Environment** | Includes users, networks, devices, software, processes, stored or transit information, applications, services, and systems that can be directly or indirectly connected to networks and be impacted by a cyberattack |
| **Cybersecurity Event** | An anomalous occurrence in a system or network that may be an act or attempt, successful or unsuccessful, to gain unauthorized access to, disrupt or misuse related to a cybersecurity requirement. Depending on their potential impact, some events need to be declared as incidents. (https://c2m2.doe.gov/glossary#E) |
| **Cybersecurity Incident** | An event, or series of events, that has the potential to significantly affect the project’s assets or the services the project provides and requires the project team to respond in |

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|  | to prevent or limit impact. Criteria for declaration of an incident are determined by the project team or its cybersecurity organization. ( https://c2m2.doe.gov/glossary#I) |
| **Cybersecurity Objectives** | Cybersecurity performance targets set by the project or organization. (https://c2m2.doe.gov/glossary#O) |
| **Cybersecurity Plan** | IIJA Section 40126 defines the minimum criteria for project cybersecurity plans. |
| **Cybersecurity Program** | An integrated group of activities designed and managed to meet Cybersecurity Objectives for the project, an organization, or a key function. An existing organizational cybersecurity program can be applied or adapted to meet the needs of the Proposed Solution. (https://c2m2.doe.gov/glossary#C) |
| **Cybersecurity Objective** | Cybersecurity performance targets set by the project or organization. (https://c2m2.doe.gov/glossary#O) |
| **Cybersecurity Project Strategy** | In its simplest form, the cybersecurity project strategy is a list of cybersecurity objectives and a plan to meet them. For higher risk projects, the project cybersecurity project strategy should be more comprehensive and include priorities, a governance approach, structure and organization for the project, and the sign off and oversight of senior management in the design of the cybersecurity project. |
| **Cybersecurity Risk** | The possibility of harm or loss due to unauthorized access, use, disclosure, disruption, modification, or destruction of IT, OT, or information assets. https://c2m2.doe.gov/glossary#C |
| **Cybersecurity Threats** | An action with the potential to adversely impact organizational operations (including mission, functions, image, or reputation), resources, and other organizations through Information Technology (IT), Operational Technology (OT), or communications infrastructure via unauthorized access, destruction, disclosure, modification of information, or denial of service. (https://c2m2.doe.gov/glossary#T) |
| **Cybersecurity Vulnerabilities** | A weakness or flaw in hardware, firmware, software, communications systems or devices, system procedures, internal controls, or implementation that could be exploited by a Cybersecurity Threat. (https://c2m2.doe.gov/glossary#V) |

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| **Information Assets** | Information of value to the organization or project, such as business data, intellectual property, customer information, contracts, security logs, metadata, set points, and operational data, information assets may be in digital or non-digital form. https://c2m2.doe.gov/glossary#I |
| **Information Technology (IT)** | A discrete set of electronic information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition of information. This may include interconnected or interdependent business and technology systems and the environment in which they operate. (https://c2m2.doe.gov/glossary#I) |
| **Operational Technology (OT)** | Assets required for service delivery or production activities. Examples include industrial control systems, building management systems, fire control systems, process control systems, safety instrumented systems, Internet of Things (IoT) devices, and physical access control mechanisms. ( https://c2m2.doe.gov/glossary#O) |
| **Risk Framing** | The set of assumptions, constraints, risk tolerances, and priorities/trade-offs that shape an organization’s approach for managing risk. |
| **Risk Level** | For the purposed of this document, the following risk levels and their definitions will be used to.  Low Risk – Risks associated with the loss of confidentiality, integrity, or availability where all the credible scenarios do not exceed low impact. For example, the potential of a successful cyberattack to cause local impacts to systems and services but with no disruption on the local or regional electric system owing to backup systems or services that cannot be impacted by the same cyberattack. Another example is the loss of information that is not considered sensitive or does not have a substantial business or stakeholder impact.  Moderate Risk – Risks associated with the loss of confidentiality, integrity, or availability where there is at least one credible scenario that produces a medium impact, but there are no high impacts. For example, the potential of a successful cyberattack to cause local or more widespread regional disruptions in the |

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|  | electrical system but not impact the operation of the bulk electric system. Another example is the loss of information that is considered sensitive (but not classified) or may have substantial business or stakeholder impacts.  High Risk – Risks associated with the loss of confidentiality, integrity, or availability where there is at least credible scenario with a high impact. For example, the potential of a successful cyberattack to result in impacts that affect the operation of the bulk electric system. Another example is the loss of information that is classified or of such a serious nature that it can be used to cause regional or national economic or stakeholder impacts. |
| **Risk Management** | An ongoing project’s process of identifying, analyzing, evaluating, and addressing a projects or an organization’s Cybersecurity Threats. Addressing cybersecurity actions involves prioritizing and adopting cybersecurity protections and related activities based on the cybersecurity threat’s potential adverse impact and likelihood. (https://c2m2.doe.gov/glossary#R) |
| **Situation Awareness** | A sufficiently accurate and up-to-date understanding of the past, current, and projected future state of a system (including its cybersecurity status), in the context of the threat environment and risks to the system’s function, to support appropriate decision making. It involves the collection of data, such as via sensor networks, and data analysis (which may include modeling and simulation) to support automated or human decision making). Situational Awareness can involve tools that aid personnel in making decisions. Tools may include alarms or data analytics and visualization products. (https://c2m2.doe.gov/glossary#S) |
| **Sponsoring Program Office** | The Department of Energy office awarding or dispersing the funding for the project. The office may be a DOE office or a state, local, tribal, or territorial office. |
| **Supply Chain** | A network of companies and people that participate in the production and delivery of a product or service. The supply chain system may start with the beginning stage of sourcing the raw materials to the final delivery of the product or service to |

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|  | end-users. The supply chain lays out all aspects of the production process, including the activities involved at each stage, information that is being communicated, natural resources that are transformed into useful materials, human resources, and other components that go into the finished product or service. https://c2m2.doe.gov/glossary#S https://csrc.nist.gov/glossary/term/supply\_chain) |
| **Third-Party Risk Management** | The C2M2 domain with the purpose to establish and maintain controls to manage the cyber risks arising from suppliers and other third parties, commensurate with the risk to critical infrastructure and organizational objectives. |

# Appendix 1 DOE Resources

The list below contains DOE resources that can be leveraged to create project cybersecurity plans.

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| **Reference or Program** | **Description** | **Website** |
| Cybersecurity Capability Maturity Model (C2M2) | A widely adopted maturity model for the electric sector. May inform high TRL projects resulting in deployment and operation of technology with the highest potentially beneficial cybersecurity priorities. | [C2M2 Version 2.1 June 2022 (energy.gov)](https://c2m2.doe.gov/C2M2%20Version%202.1%20June%202022.pdf) |
| Cyber- Informed Engineering (CIE) | May guide low TRL project teams to engineer out cyber risk, thus reducing the potential attack surface  of developed technologies. | <https://www.energy.gov/sites/default/files/2022-06/FINAL%20DOE%20National%20CIE%20Strategy%20-%20June%202022_0.pdf> |
| Consequence- Driven Cyber- Informed Engineering (CCE) | May aid organizations that are employing developed technologies to develop mitigations to ensure that critical functions are immune to cyber sabotage. | <https://inl.gov/cce/> |
| Cybersecurity for the Operational Technology Environment  (CyOTE™) | May help organizations create a holistic sensing strategy to detect adversary techniques. affecting developed technologies. | [Cybersecurity for the Operational Technology Environment (CyOTE) | Department of Energy](https://www.energy.gov/ceser/cybersecurity-operational-technology-environment-cyote) |
| CyberStrike | Information about cyberattacks on energy infrastructure, including mitigation strategies. | [https://inl.gov/wp- content/uploads/2021/07/21- 50064\_CyberstrikeFlyer.pdf](https://inl.gov/wp-%20content/uploads/2021/07/21-%2050064_CyberstrikeFlyer.pdf) |
| Cyber Testing for Resilient Industrial Control | Used for vulnerability testing. | <https://inl.gov/cytrics/> |
| Distributed Energy Resources Cybersecurity Framework (DERCF) | Can help indicate cybersecurity priorities for projects focus on deployment and operation of devices and subsystems that are part of distributed energy resource systems (DERs). | <https://dercf.nrel.gov/> |
| Distributed Energy Resources Risk Manager (DER- RM) | Supports DER compliance with the NIST Risk Management Framework. | PowerPoint: [https://www.nist.gov/system/files/ documents/2021/02/22/Day1.7- Anuj%20-%20DER-](http://www.nist.gov/system/files/)  [RM\_NIST%20presentation.pdf](http://www.nist.gov/system/files/) |
| *Energy Sector Cybersecurity Framework Implementation Guidance* | *Framework Implementation Guidance* specifically for energy sector owners and operators. | [Energy Sector Cybersecurity Framework Implementation Guidance](https://www.energy.gov/ceser/articles/energy-sector-cybersecurity-framework-implementation-guidance) |

# Appendix 2 Guidance and Standards

These third-party resources may be useful when structuring and implementing cybersecurity plans. The list below is not comprehensive.

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| **Resource** | **Description** | **Website** |
| Cybersecurity & Infrastructure Security Agency (CISA)    Shields Up | CISA’s Shields Up campaign provides alerts and technical guidance to help organizations take proactive steps to protect against active cyber threats. | <https://www.cisa.gov/shields-up> |
| CISA    Free Cybersecurity Services and Tools | This repository includes cybersecurity services provided by CISA, widely used open-source tools, and free tools and services offered by private and public sector organizations across the cybersecurity community. | [Free Cybersecurity Services and Tools | CISA](https://www.cisa.gov/free-cybersecurity-services-and-tools) |
| CISA    Industrial Control Systems Cyber Emergency Response Team (ICS-CERT) – Industrial Control Systems | ICS-related alerts, advisories, and reports. | [https://www.cisa.gov/uscert/ics](https://www.cisa.gov/uscert/ics ) |
| CISA    The Cyber Security Evaluation Tool (CSET) | The Cyber Security Evaluation Tool (CSET) provides a systematic, disciplined, and repeatable approach for evaluating an organization’s security posture. | [CSET Download (inl.gov)](https://cset-download.inl.gov/) |
| DOE CESER    C2M2 | A widely adopted maturity model for the electric sector. May inform high TRL projects, resulting in deployment and operation of technology with the highest potentially beneficial cybersecurity priorities. | [Cybersecurity Capability Maturity Model (C2M2) | Department of Energy](https://www.energy.gov/ceser/cybersecurity-capability-maturity-model-c2m2) |
| NIST    *Framework for Improving Critical Infrastructure Cybersecurity* | This publication describes a voluntary risk management framework (“the Framework”) that consists of standards, guidelines, and best practices to manage cybersecurity-related risk. The Framework’s prioritized, flexible, and cost-effective approach helps to promote the protection and resilience of critical infrastructure and other sectors important to the economy and national security. | [https://www.nist.gov/publications/](https://www.nist.gov/publications/framework-improving-critical-infrastructure-cybersecurity-version-11)  [framework-improving-critical-infrastructure-cybersecurity-version-11](https://www.nist.gov/publications/framework-improving-critical-infrastructure-cybersecurity-version-11) |
| Pacific Northwest National Lab (PNNL)    *Cybersecurity Requirements Process for Non-Cyber Program Managers*    *(December 2021)* | This paper serves as a guide specifically for program managers who have no cyber security expertise and manage projects without a core cybersecurity focus. | Available to DOE and DOE contractors from the Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN, 37831-0062. Phone 865-576-8401  Email: [reports@adonic.osti.gov](mailto:reports@adonic.osti.gov)    *Under Contract DE-AC05-76RL01830* |
| National Rural Electric Cooperative Association (NRECA)    *Guide to Developing a Cyber Security and Risk Mitigation Plan*  *(2011)* | This document is useful for cooperatives developing a cybersecurity plan for general business purposes. It does not address any specific current or potential regulations. project | [guide-cybersecurity-mitigation-plan.pdf (cooperative.com)](https://www.cooperative.com/programs-services/bts/documents/guide-cybersecurity-mitigation-plan.pdf)    *DOE Award No: DE-OE0000222* |