

A Risk Management Approach to Smart City Cybersecurity and Privacy

A Guidebook from the
Cybersecurity and Privacy Advisory Committee (CPAC)
Public Working Group

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The CPAC Guidebook is intended to assist organizations and associated decision makers and technology implementers who are considering, developing, implementing, and/or operating Smart City capabilities and solutions. The Guidebook's cybersecurity and privacy risk management content can help organizations with the following activities:

- Engage stakeholders and start the conversation around cybersecurity and privacy risk management;
- Verify, supplement, and refine existing cybersecurity and privacy risk management processes; and
- Identify key cybersecurity and privacy considerations that may be specific to Smart City solutions and environments.

“The CPAC Guidebook is for any municipality or organization that wishes to embark on a smart city initiative. Decision makers responsible for innovating and protecting people's digital assets and privacy can gain insights necessary to guide their municipality onto a successful path. Technology implementers can find valuable use cases to guide them onto the shortest path with practical methodologies and tools.”

- Lan Jenson, CPAC Co-Chair

The Guidebook includes a high-level discussion and summary of the risk-based approach to security control selection and characterization described in ***National Institute of Standards and Technology (NIST) Special Publication 800-37 Rev. 2, Risk Management Framework for Information Systems and Organizations: A System Life Cycle Approach for Security and Privacy***. It also includes: a set of Smart City-specific cybersecurity and privacy issues for consideration; a series of use cases to demonstrate the application of a risk-based approach to managing Smart City cybersecurity and privacy in real-world situations; and a list of key questions as a tool for organizations to engage stakeholders and start the conversation around cybersecurity and privacy risk management.



Image from: <https://www.pexels.com/photo/architecture-building-buildings-city-294560/>

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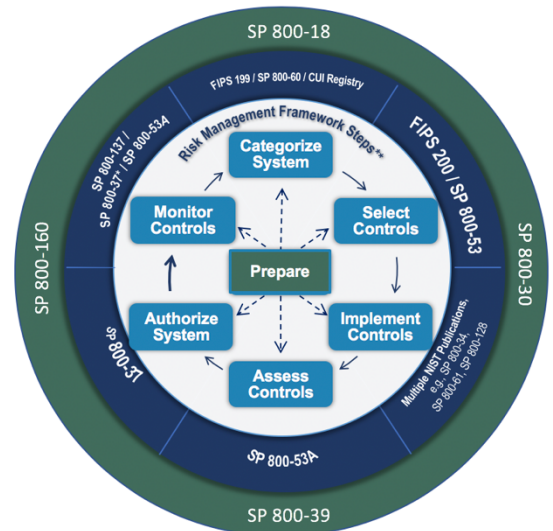


Image from: <https://csrc.nist.gov/Projects/Risk-Management/rmf-overview>

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