



# Transforming Public Safety: Innovating Justice Systems with Cutting-Edge Solutions

Emerging technology is revolutionizing public safety and justice systems by enabling agencies to operate more efficiently, make informed decisions, and deliver impactful services. CNA's expertise in cutting-edge tools and innovations empowers organizations to embrace new technologies, enhance operational effectiveness, and improve community outcomes.

CNA's expert services can be applied across a variety of technologies, including the following:

## Artificial Intelligence:

- Expertise in leveraging AI for crime prevention, resource allocation, and operational efficiency.
- Training and guidance on AI development and implementation in a public safety context (e.g., evaluating AI tools and vendor claims, raising policy and governance awareness, protecting institutional trust, developing use cases).
- Assessments of an agency's AI maturity level.

## 911 communications:

- Support in optimizing 911 communication systems to enhance response times and resource allocation.
- Expertise in integrating advanced technologies, such as AI and analytics, to improve call routing and crisis management.

## Computer-aided dispatch/records management systems (CAD/RMS):

- Assistance in modernizing CAD/RMS systems for improved communication, resource tracking, and operational efficiency.
- Expertise in integrating CAD/RMS with emerging technologies, such as real-time analytics and predictive tools.

## How CNA Helps Agencies With Emerging Technology Needs



**Technology planning**



**Policy development**



**Implementation support**



**Integration of technology systems**

## Crime analysis and predictive policing software:

- Guidance in implementing predictive policing software to identify crime trends and allocate resources effectively.
- Expertise in developing ethical frameworks for using AI-driven analytics in crime prevention and decision-making.

## Body-worn cameras:

- Assistance in body-worn camera implementation, including cost-benefit analyses, policy development, and operational impact assessments.
- Insight into best practices for deployment and data management.

### Digital evidence management:

- Support in deploying secure digital evidence management systems that streamline storage, sharing, and retrieval processes.
- Expertise in ensuring compliance with legal and regulatory requirements for evidence handling and chain of custody.

### Unmanned aerial vehicles (UAVs), also known as drones:

- Expertise in leveraging UAVs for surveillance, emergency response, and situational awareness in public safety operations.
- Guidance on policy development and integration of UAV technology into existing workflows for optimal efficiency and compliance.
- Guidance on supporting LEAs with managing counter UAV threats.

### Gunshot detection systems:

- Assistance in implementing gunshot detection technologies to enhance rapid response and situational awareness.
- Expertise in integrating gunshot detection systems with broader public safety platforms, such as RTCCs.

### RTCCs:

- Toolkit for establishing and optimizing RTCCs.
- Training on proven strategies for integrating data feeds, analytics, and technology platforms to enhance situational awareness and decision-making.

### Case management systems:

- Support in optimizing case management systems to streamline workflows, improve data tracking, and enhance collaboration.
- Expertise in tailoring systems to meet the specific needs of justice system agencies for efficient case resolution.

### Contraband detection technology:

- Guidance in deploying contraband detection technologies to improve security in correctional facilities and public spaces.
- Expertise in integrating advanced tools, such as AI and sensor-based systems, to identify and mitigate threats effectively.

### Data modernization:

- Support for transforming legacy data systems into modern, interoperable platforms.
- Assistance with data integration, visualization, and analytics to improve decision-making.

### Public safety analytics dashboards:

- Development of user-friendly dashboards to visualize key metrics, trends, and insights for informed decision-making.
- Expertise in integrating real-time data feeds and analytics into dashboards to enhance situational awareness and operational planning.

## CNA Research and Case Studies

CNA has an extensive portfolio of research and case studies showcasing successful implementations of emerging technologies. Examples include the following:

- RTCC Implementation Toolkit
- [Addressing Crime Through Innovative Technology: Technology Implementation Guide](#)
- [Drones as First Responders](#)
- [The Use of Predictive Analytics in Policing](#)

View more here: <https://www.cna.org/centers-and-divisions/ipr/jri>

## About CNA

CNA is a not-for-profit analytical organization dedicated to the safety and security of the nation. With nearly 700 scientists, analysts, and professional staff across the world, CNA's mission is to provide data-driven, innovative solutions to our nation's toughest problems. It operates the Center for Naval Analyses—the Department of the Navy's federally funded research and development center (FFRDC)—as well as the Institute for Public Research. The Center for Naval Analyses provides objective analytics to inform the decision-making by military leaders and ultimately improve the lethality and effectiveness of the joint force. The Institute for Public Research leverages data analytics and innovative methods to support federal, state, and local government officials as they work to advance national and homeland security.

To learn more or to request emerging technology assistance from CNA, please contact Vivian Elliott at [elliottv@cna.org](mailto:elliottv@cna.org).