



What is RAM-C™?

The Risk Assessment Methodology for Communities (RAM-C™) is a systematic process that has been developed to assist communities in assessing threat, prioritizing targets, identifying consequences, assessing completeness and effectiveness of security systems and helps to effectively use resources to address vulnerabilities in security and response systems. The RAM-C™ approach leverages over 35 years of security related experience at Sandia National Laboratories and has been developed in collaboration with a number of Federal, State and Local agencies and communities.

Features

RAM-C™ is a security risk-based approach which provides users with a tool to help screen a community and help identify key assets that may be potential adversary targets and to then conduct security risk assessments for selected assets or activities. RAM-C™ is not a quantitative analysis tool but rather compares relative security risks. The conduct of the RAM-C™ effort involves a team of people who are familiar with the community, security, safety, emergency response and other critical operations within the community. The team will most likely include representatives from the law enforcement and homeland security activities. Input from community decision makers is important to identify and prioritize critical assets. Others who may participate in the RAM-C™ process include fire departments, risk management, medical facility representatives, and owners of potential target facilities.

Applicability

The RAM-C™ was intended to provide a relatively simple security risk assessment tool for communities. After completion of the RAM-C™ assessment the community will have identified and prioritized potential targets, characterized potential threats, determined possible consequences from a successful attack, evaluated physical protection system effectiveness, evaluate risks for selected targets and made recommendations for ways to mitigate risk.

The RAM-C™ was designed as a stand-alone security tool but would usually be used with other safety, homeland security and emergency management analysis tools. The primary focus of the RAM-C™ is on physical security of facilities and activities within a community. The RAM-C™ process can consider a range of potential undesired events and threats. It helps the community to focus on the most critical areas and incorporates appropriate security, safety and emergency response measures that could help prevent or mitigate the consequences of a successful attack.

Availability

The RAM-C™ material is treated as Official Use Only information. Only companies or organizations licensed by Sandia are authorized to use the RAM-C™ approach.

