

From day-to-day to high impact incidents, our Nation's emergency responders too often cannot rely on their ability to communicate with one another across jurisdictions and disciplines. This limitation impedes emergency responders' ability to respond effectively to emergencies at all levels. This significantly increases the risk of harm or death to both the responders arriving on scene and the victims relying on them for help.

SAFECOM's philosophy supports the notion that the same interoperability solutions that are used daily for local emergencies should be scalable for response to any statewide incident as well as for natural disasters and terrorist attacks. If responders use interoperability solutions every day, the coordinated communications in response to any incident will be a natural instinct.

The Problem "On the Ground"

Happens almost daily but with

The Problem:

Risk for redundant, uncoordinated

Local police, fire, and EMS cannot

relatively low consequences

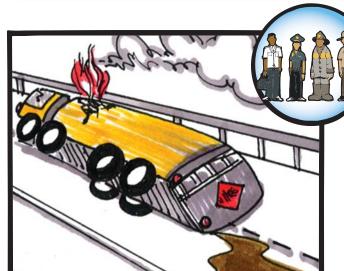
effectively communicate.

Impacts:

Lives at risk

response





there are higher consequences

Happens less often but when it does,

■ The Problem:

Local and state responders cannot effectively communicate across agencies and disciplines.

■ Impacts:

- Lives at risk
- Risk for redundant, uncoordinated
- Property, data, and infrastructure at risk
- Health risks
- Local business interrupted



Happens least often but when it does, there are very high consequences

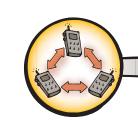
The Problem:

Local, tribal, state, and Federal responders cannot effectively communicate across agencies and disciplines.

Impacts:

- Emergency responders' and civilians' lives at risk
- Property, data, and infrastructure at risk
- Risk for redundant, uncoordinated response
- Local economy at risk

Interoperability solutions should be scalable to accommodate any incident.



Scalable

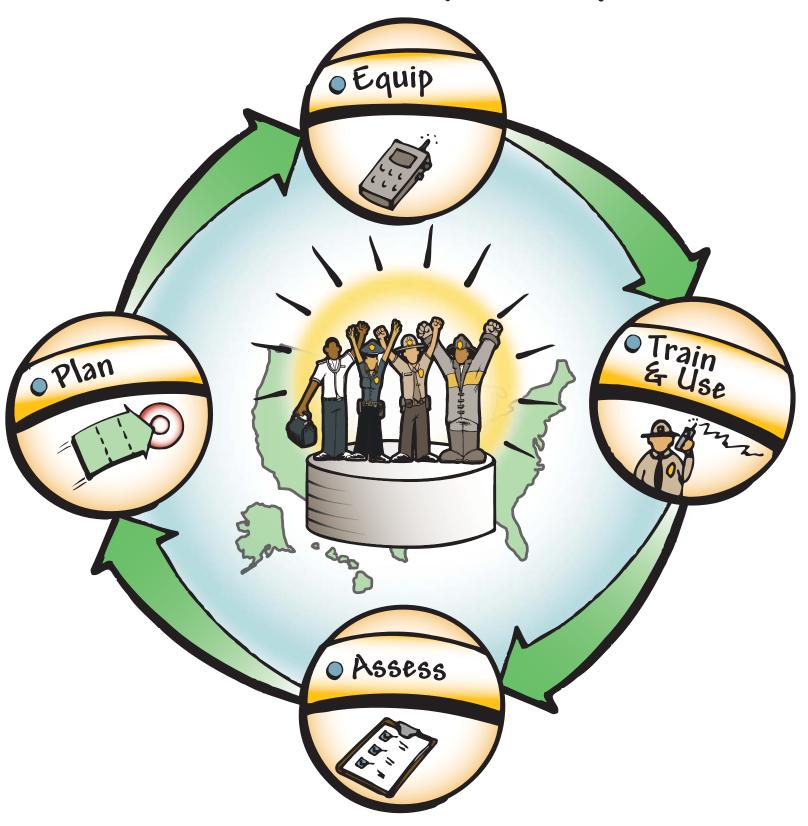


Terms

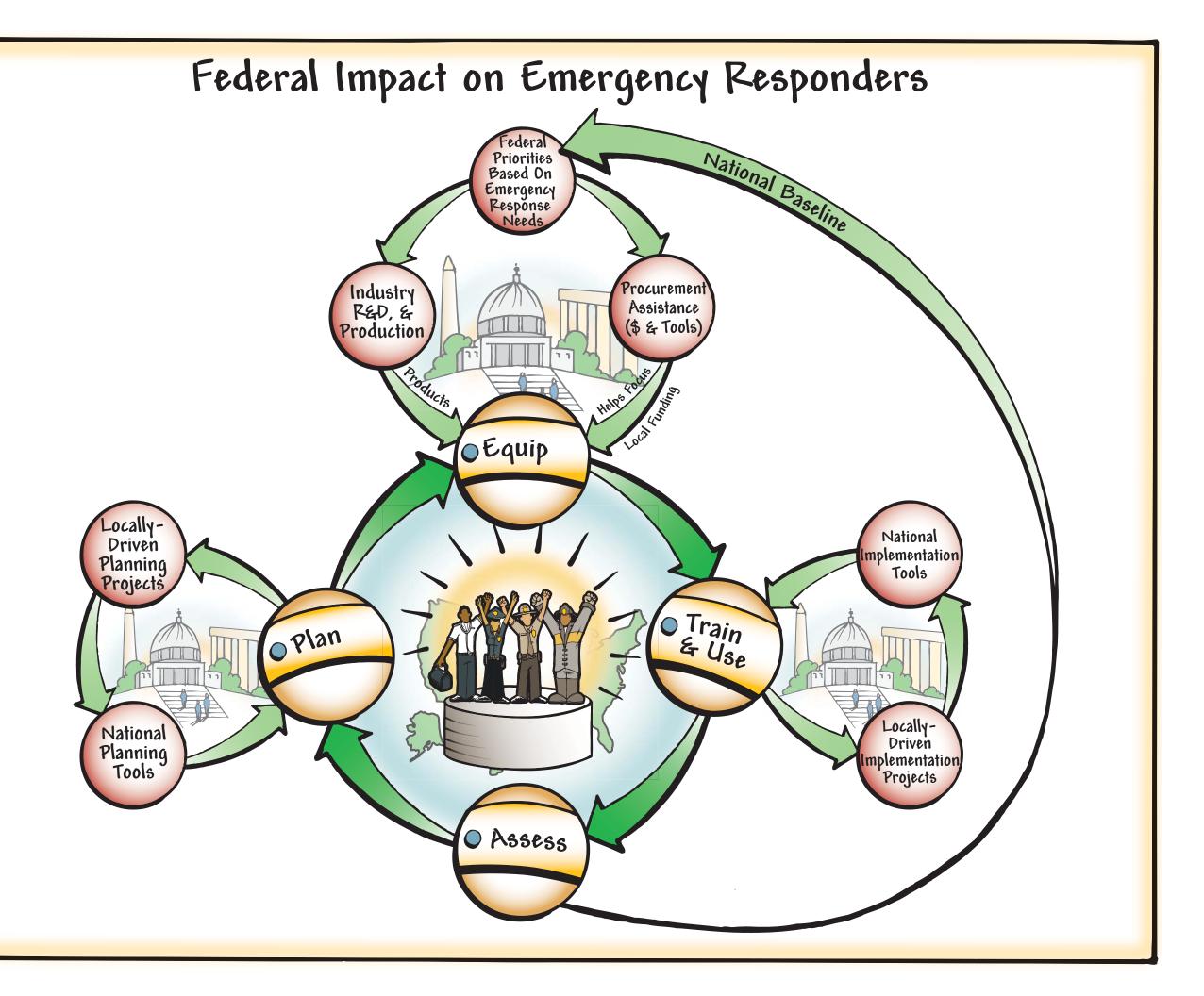
EMS - Emergency Medical Services

This model represents the local emergency responder cycle for planning and implementing interoperability solutions. It is at the heart of the national strategy for achieving interoperability. The Federal role is not to interfere with this cycle, but to support and enhance local activities in each of these phases.

The Local Community in Action: The Heart of the Interoperability Universe



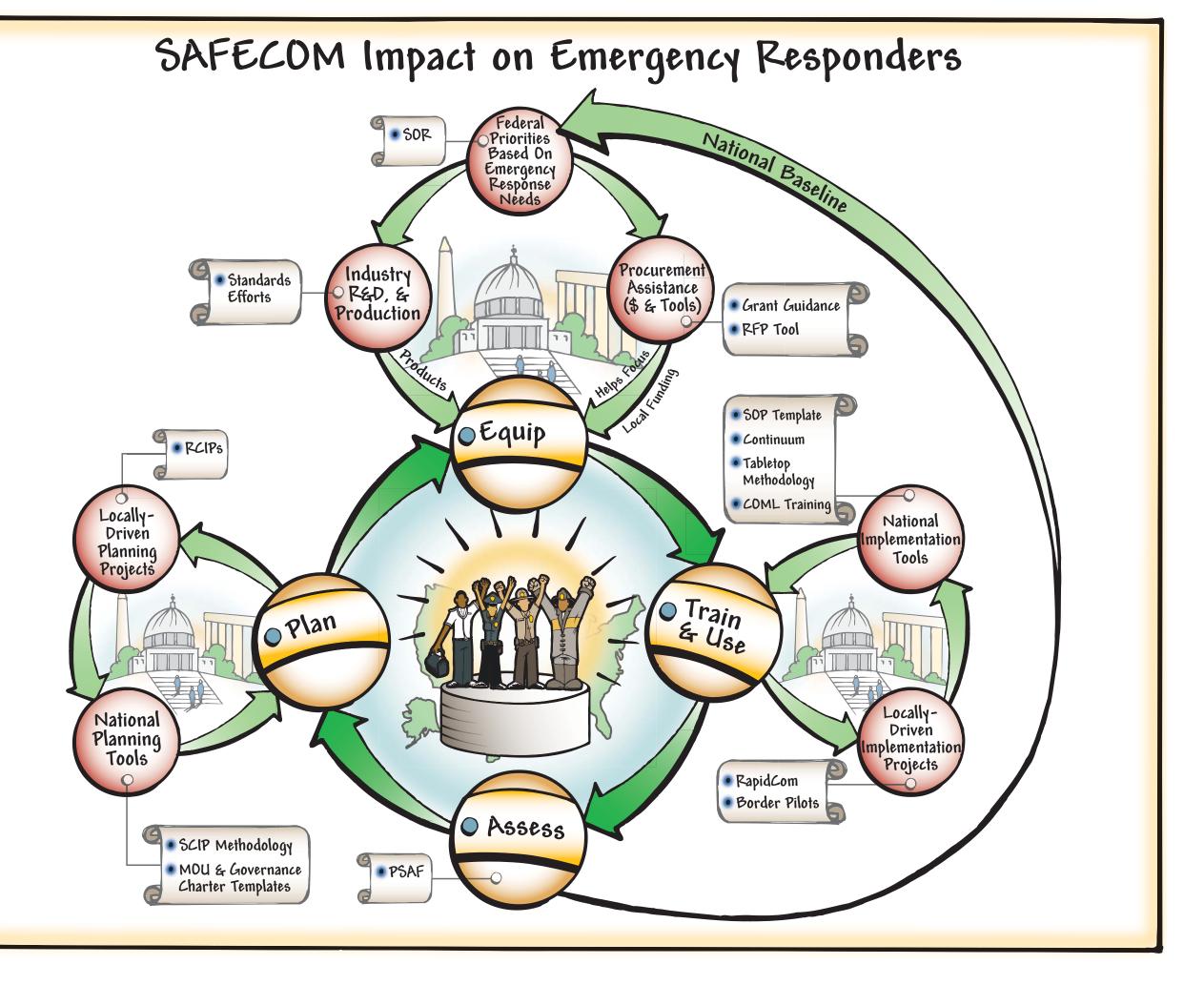
The local emergency responder cycle for planning and implementing interoperability is at the heart of the national strategy for achieving interoperability. Coordinated Federal interoperability programs support and enhance activities in each of these phases. This support provides emergency responders with tools and guidance to ensure agencies and localities have the best information and resources available to improve interoperability today and plan for tomorrow.



Terms

R&D - Research and Development

This graphic depicts how SAFECOM efforts and programs support and enhance emergency responder activities.



Agency Key:

SAFECOM

Terms

COML - Communications Unit Leader

MDU - Memorandum of Understanding

SOP - Standard Operating Procedures

RED - Research and Development

Program, Projects, and Tools

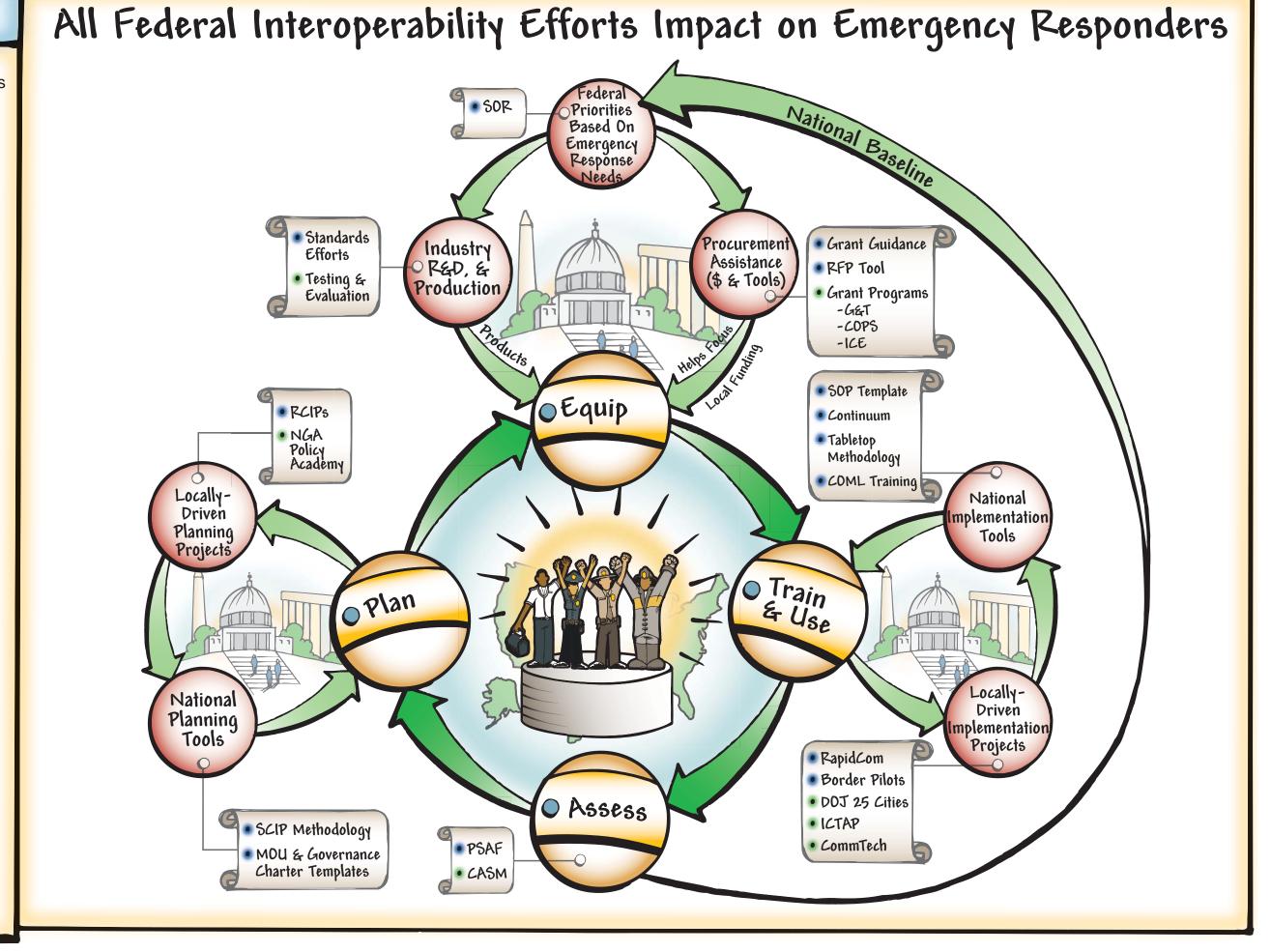
PSAF - Public Safety Architecture Framework

RCIPs - Regional Communications Interoperability Pilots

SCIP Methodology - Statewide Communications Interoperability Planning Methodology

SOR - Statement of Requirements

This graphic depicts how all Federal interoperability efforts and programs support and enhance emergency responder activities.



Agency Key:

- SAFECOM
- Other Government Agencies

Agencies

COPS - Community Oriented Policing Service

DOJ - Department of Justice

GGT - Office of Grants and Training

ICE - Interoperable Communications Equipment

ICTAP - Interoperable Communication Technical Assistance Program

NGA - National Governor's Association

Terms

COML - Communications Unit Leader

MOU - Memorandum of Understanding

SOP - Standard Operating Procedures

RED - Research and Development

Program, Projects, and Tools

CASM - Communications Assets Survey and Mapping

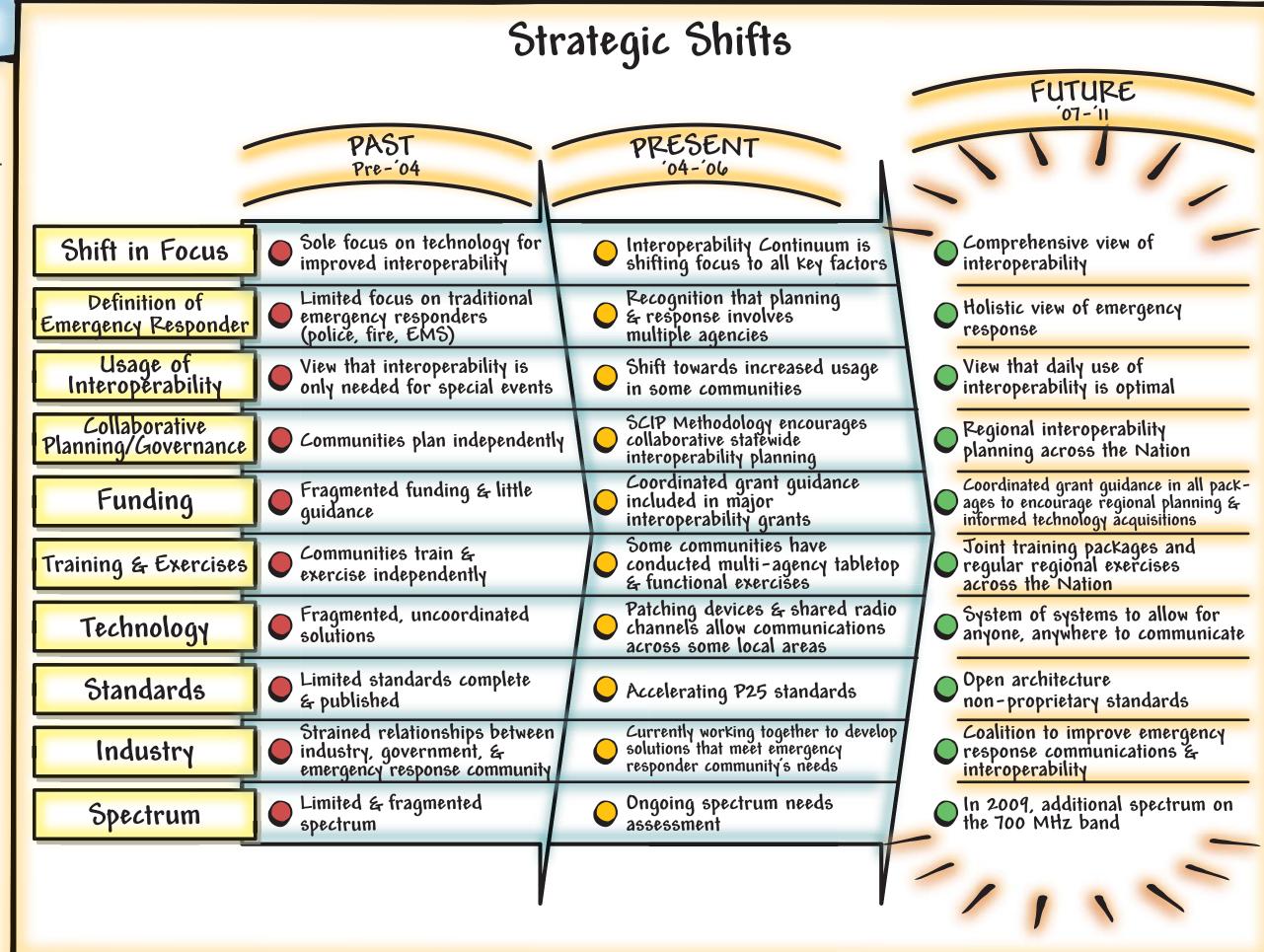
PSAF - Public Safety Architecture Framework

RCIPs - Regional Communications Interoperability Pilots

SCIP Methodology - Statewide Communications
Interoperability Planning
Methodology

SOR - Statement of Requirements

Achieving interoperability requires more than technology. Shifting all the elements requires a comprehensive, coordinated strategy. Interoperability is about technological, strategic, tactical, and cultural change.



Terms

EMS - Emergency Medical Services

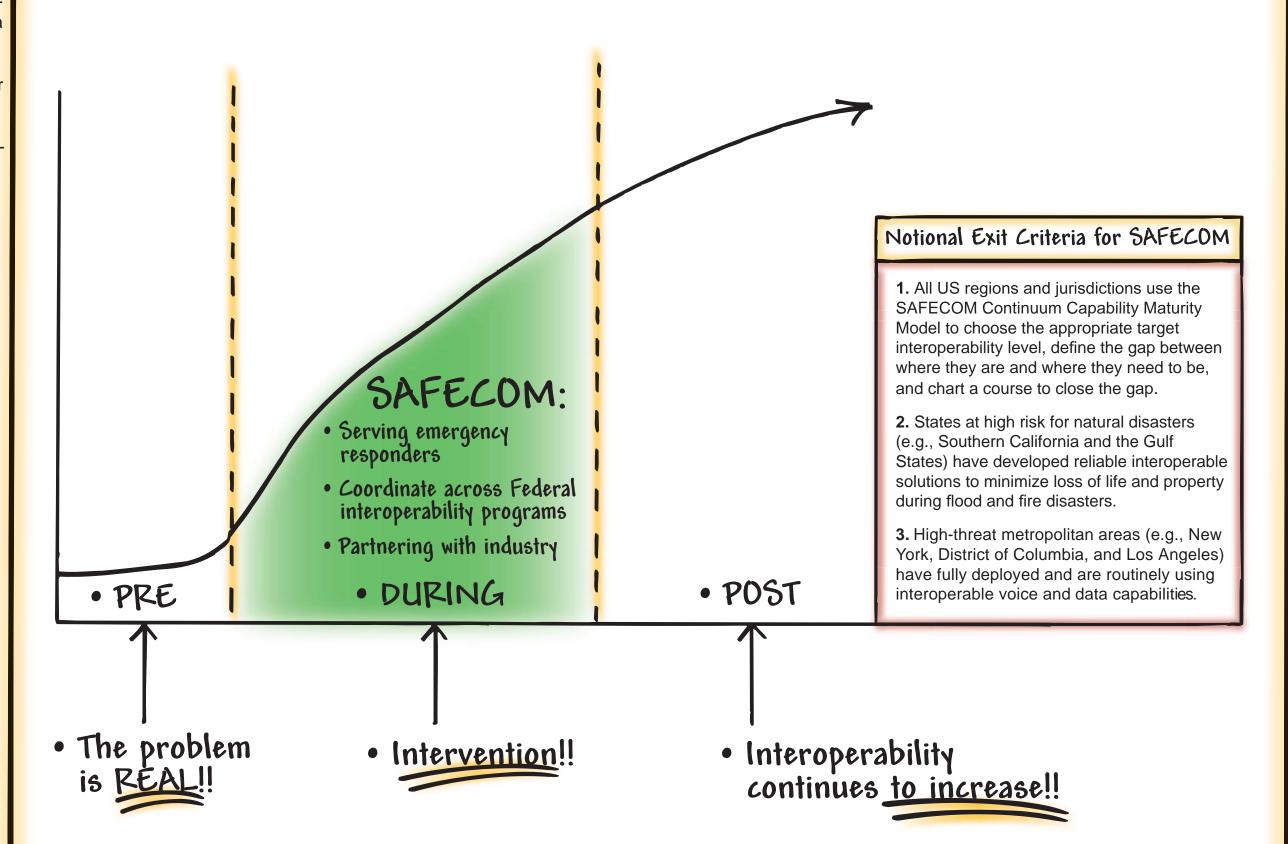
MHZ - Megahertz

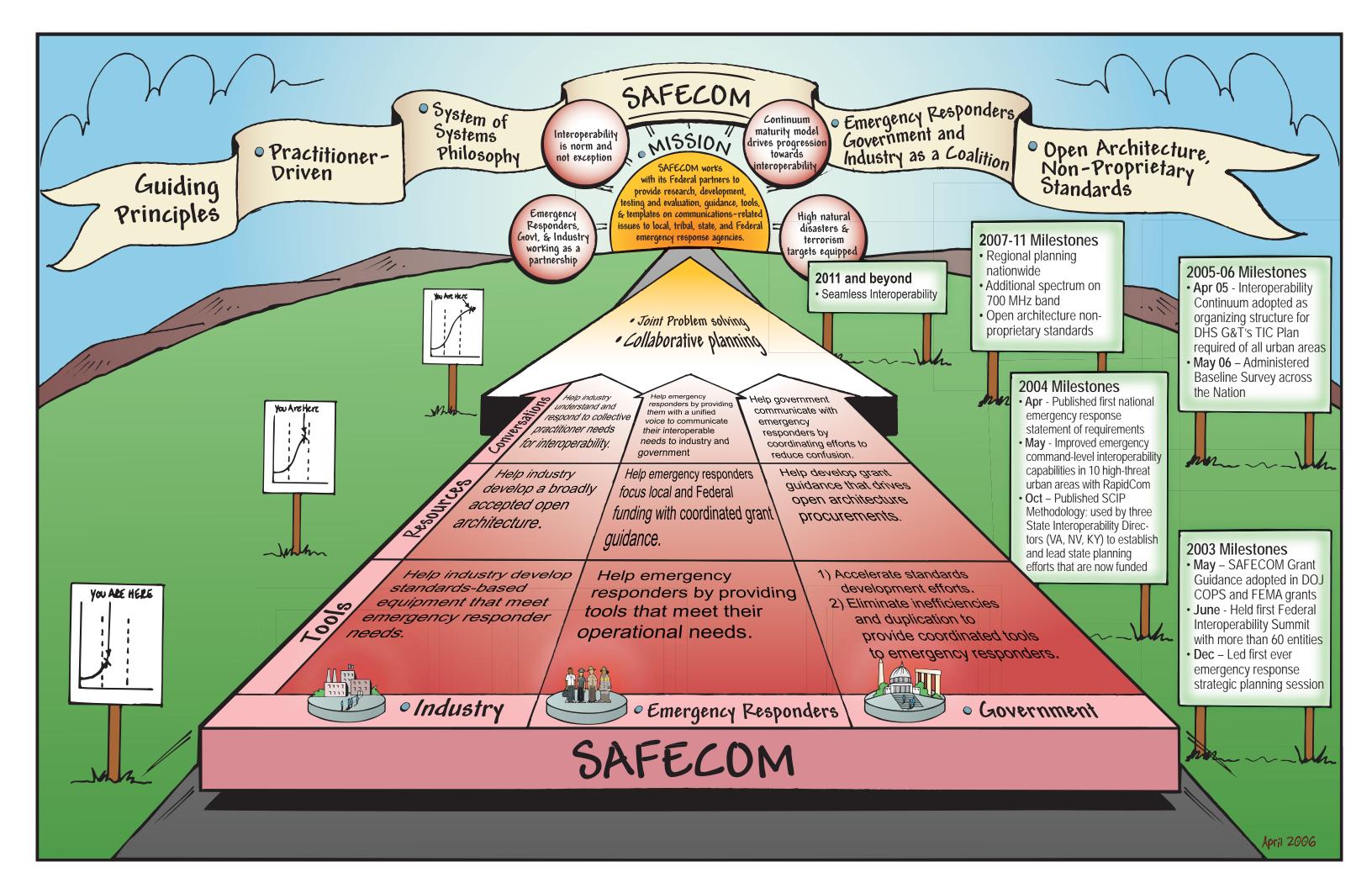
Program, Projects and Tools

SCIP Methodology - Statewide Communications Interoperability Planning Methodology

Before SAFECOM, interoperability efforts were uncoordinated and spread across a variety of Federal agencies. SAFECOM was introduced as an intervention and driver for change. The program is a catalyst to accelerate change and improve interoperability. Interoperability will continue to improve beyond the life of the SAFECOM program. The program's work will be complete when the continuum maturity model is a standard for achieving optimal levels of interoperability and when high natural disaster and terrorism targets are fully equipped to respond.

Making Interoperability the NORM!!





Agencies

COPS - Community Oriented Policing Service

DHS - Department of Homeland Security

DOJ - Department of Justice

FEMA - Federal Emergency Management Agency

GET - Office of Grants and Training

Terms

MHZ - Megahertz

Program, Projects, and Tools

SCIP Methodology - Statewide Communications
Interoperability Planning
Methodology

TIC Plan - Tactical Interoperable Communications Plan

Ideally, communities should align their cycles for planning and implementing interoperability solutions. However, there are common challenges that communities must overcome to collaborate and work towards regional interoperability. The SAFECOM Interoperability Continuum helps communities address all key aspects of the problem and overcome challenges. Some common challenges are listed below:

Policy makers are not aligned with the needs for a region's interoperability requirements and therefore do not commit the resources required.

Common Governance

Challenge: Independent disciplines and jurisdictions have difficulty giving up authority in favor of a regional governing body.

Common Standard Operating Procedures Challenge: Lack of established protocol leads to confusion during incidents.

Common Technology Challenge:

There is often limited coordination across disciplines and jurisdictions on technology procurement and ongoing life-cycle management and support.

Common Training and Exercise Challenge: Familiarity with using interoperability equipment is not second nature to emergency responders because training and exercises are not conducted broadly or frequently enough.

Common Usage Challenge:

Emergency responders from different jurisdictions and disciplines often do not interact on a daily basis.

Overcoming Challenges to Collaborate and Interoperate Across Communities

