IMPLEMENTING THE NECP WEBINARS

## MONEY TALKS: FUNDING YOUR EMERGENCY COMMUNICATIONS CAPABILITIES

MARCH 9, 2022



Emergency Communications

## Agenda

- Webinar Overview and Objectives
- National Emergency Communications Plan (NECP) and SAFECOM Nationwide Survey (SNS): Funding Levels and Sources
- SAFECOM Guidance and Available Federal Grants
- Coordination of Grant Applications
- Sustainable Funding Mechanisms
- Resources and Actions
- Question and Answer Session





## **Presenters**

**Charlee Hess** Cybersecurity and Infrastructure Security Agency

**Elizabeth Mitchell** Cybersecurity and Infrastructure Security Agency

Joy Sears Cybersecurity and Infrastructure Security Agency





# **National Emergency Communications Plan**



#### NECP Vision

To enable the nation's emergency response community to communicate and share information securely across communications technologies in real time, including all levels of government, jurisdictions, disciplines, organizations, and citizens impacted by any threats or hazards events



#### Mandate

The NECP is mandated by Title XVIII of the Homeland Security Act of 2002



#### Nation's Strategic Plan

The NECP is the nation's strategic plan to strengthen and enhance emergency communications capabilities



#### Mission

To ensure the emergency response community drives toward a commonly defined endstate for communications



4

## **NECP Goals**



Goal 1 Governance & Leadership



Goal 2 Planning & Procedures



Goal 3 Training, Exercise, & Evaluation

Goal 4 Communications Coordination



9

2

Goal 5 Technology & Infrastructure

Goal 6 Cybersecurity

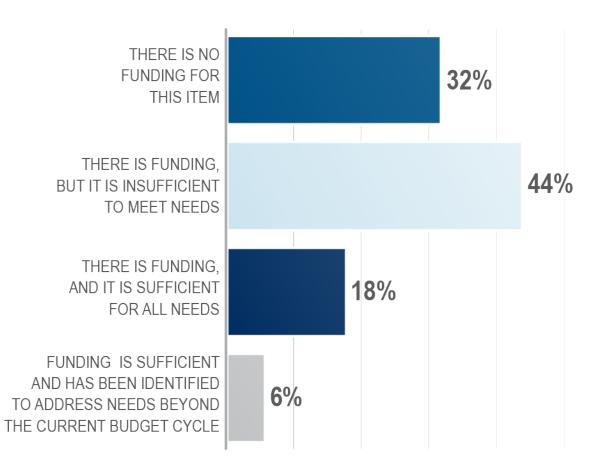




101010010 10101010001000101 1

## **Funding Overview**

#### FUNDING FOR NETWORK SYSTEMS: CAPITAL INVESTMENTS





## **SAFECOM Nationwide Survey (SNS)**

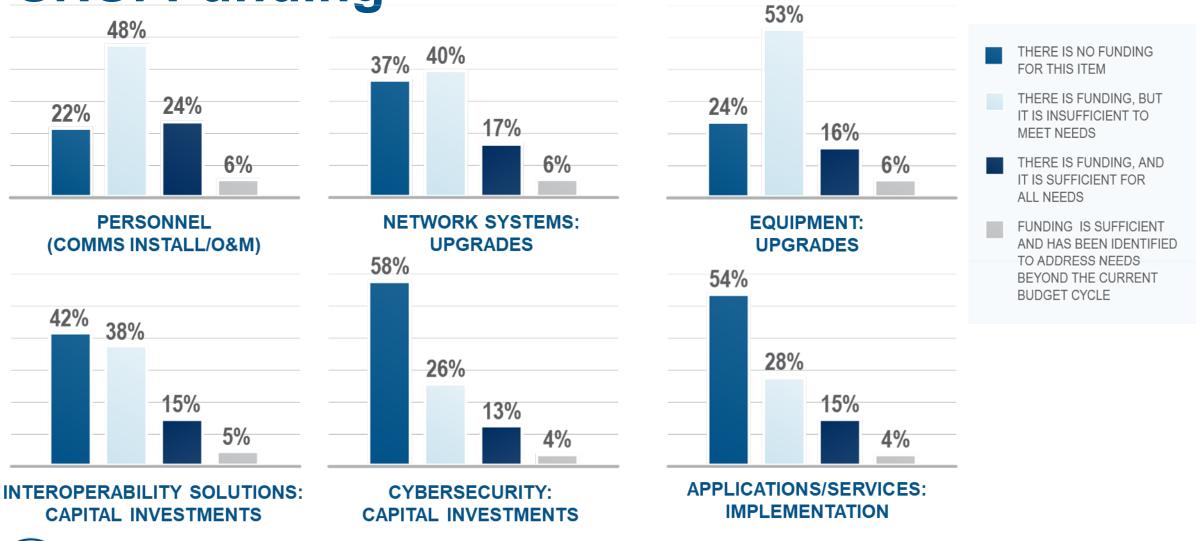
The SNS consisted of 38 questions that **span the 5 elements of the** *SAFECOM Interoperability Continuum*, plus a **security element** that accounted for cybersecurity.



7



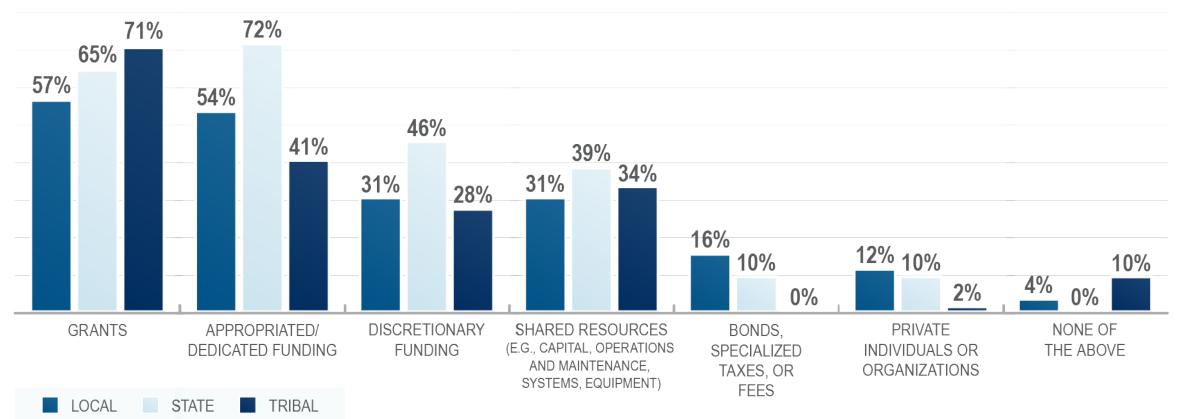
## **SNS: Funding**<sup>2</sup>





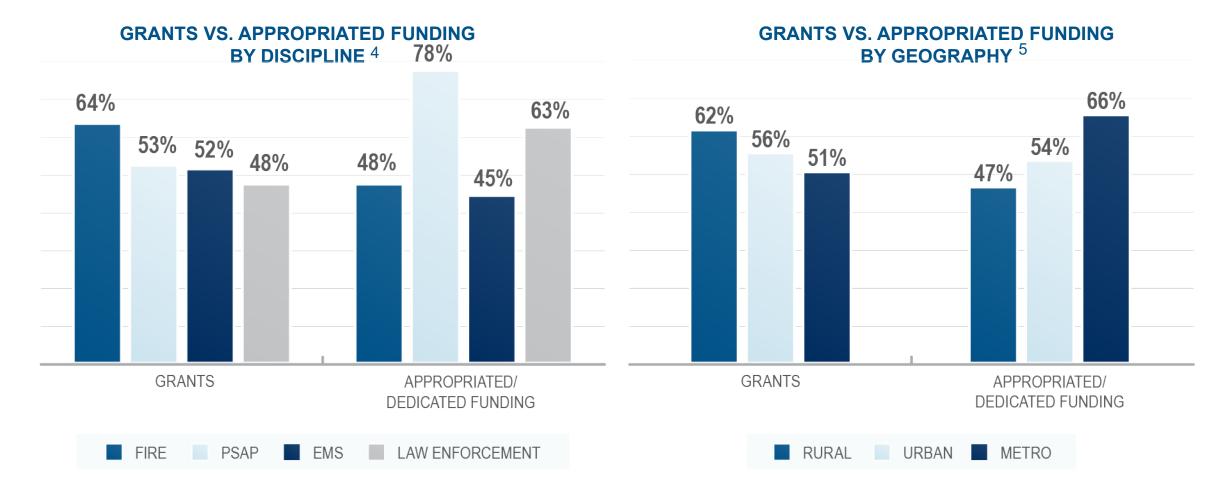
## **SNS: Funding Sources**

#### **EMERGENCY COMMUNICATIONS FUNDING SOURCES**<sup>3</sup>





## **SNS: Funding Sources Breakdown**





## **NECP Success Indicators: Funding**

Goal 1 Governance & Leadership



 State and territorial governance bodies prioritize communications needs and coordinate with the Statewide Interoperability Coordinator (SWIC) and other state-level planners on applications for federal financial assistance

#### Goal 2 Planning & Procedures



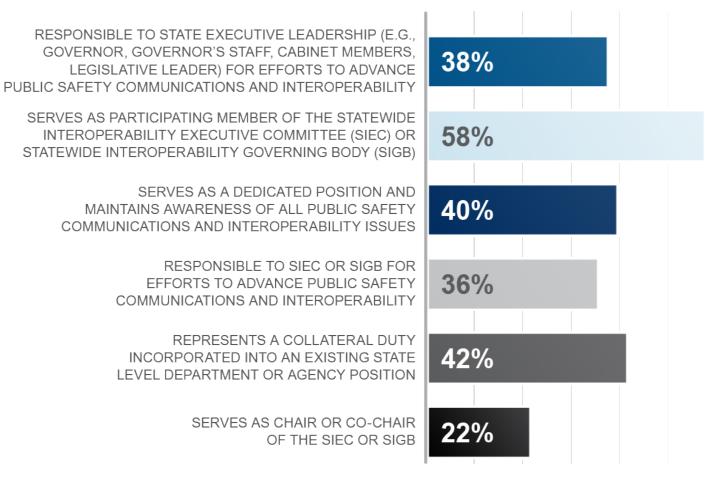
Federal funding authorities develop grant guidance for emergency communications governance and investments consistent with guidelines provided by SAFECOM and the NECP

 Public safety organizations and governing bodies identify sustainable funding mechanisms to support the lifecycle planning model



## **NECP Success Indicators: Funding**

ROLE AND RESPONSIBILITIES OFSTATEWIDE INTEROPERABILITY COORDINATORS<sup>6</sup>





## **SAFECOM Guidance Overview**

The essential guide for government agencies planning and applying for federal funding to invest in emergency communications projects



SAFECOM Guidance on Emergency Communications Grants Fiscal Year 2022

U.S. Department of Homeland Security Cybersecurity and Infrastructure Security Ager



Updated with federal, state, local, tribal, and territorial partners on an annual basis and applicable to all federal emergency communications grants



Recognized as the primary guidance on emergency communications grants by OMB and the Administration



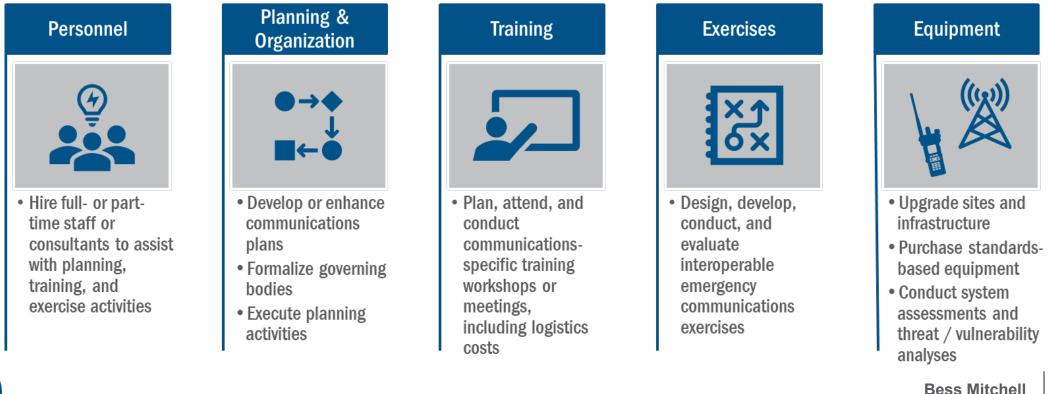
Published in tandem with the DHS Preparedness Grants



#### cisa.gov/safecom/funding

## **SAFECOM Guidance Guidelines**

 SAFECOM Guidance identifies investment priorities that align with the NECP's goals, best practices/standards when purchasing communications capabilities, and eligible activities within common costs categories covered under most federal grants funding emergency communications





14

# **Identifying Federal Funding Opportunities**

- SAFECOM Guidance encourages applicants to consider all available funding sources, including traditional grants to help fund initial capital investments or improvements to communications systems, as well as other sources of funding that may partially fund emergency communications projects
- Primary resources include:
  - <u>Grants.gov</u>, a common website for federal agencies to post discretionary funding opportunities and for grantees to find and apply to them
  - List of Federal Financial Assistance Programs Funding Emergency Communications, a resource that compiles applicable funding opportunities





## **Grants.gov**

	grants	.html				☆	OGR
HOME LEARN GRANTS •	SEARCH GRANTS					HELP RE	GISTER   LOGI
			SEARCH: G	rant Opportuni	ties 🗸 Enter i	Keyword	GO
RANTS.GOV ) Search Grants					-		
		S APPLICANTS GRANTORS	SYSTEM-TO-SYSTEM FORMS CONNEC		NRT -		
SEARCH GRANTS			STOTEM FORMS CONNED	Gorre			
		-					100
ASIC SEARCH CRITERIA:		1					0
		1					
eyword(s):	0	A			os   Export Deta		re Search »
pportunity Number:	0	SORT BY: Posted Date (Descending		All Available			Date Range
		1 - 25 OF 2272 MATCHING RESU	15:			123456	91 Next »
DA:	O f	Opportunity Number	Opportunity Title	Agency	Opportunity Status	Posted Date 1	Close Date
	SEARCH	20-610	CISE Community Research Infrastructure	NSF	Posted	09/09/2020	01/28/2021
	CENTRON	PAR-20-298	Development of the Fetal Immune System (R01 Clinical Trial Not Allowed)	HHS-NIH11	Posted	09/09/2020	12/07/2023
ORTUNITY STATUS:		PAR-20-296	Modules for Enhancing Biomedical Research Workforce Training (R25 Clinical Trial Not Allowed)	HHS-NIH11	Posted	09/09/2020	06/19/2023
	ITYPE:	HHS-2021-ACF-OHS-CH-R02-1937	Head Start/Early Head Start Grantee United States	HHS-ACF-	Forecasted	09/09/2020	
sted (270)	, instruments	* 20201216-FZ	Virgin Islands Public Scholars	OHS	Posted	09/09/2020	12/16/2020
	operative Agreement (707)	P20AS00098	Japanese American Confinement Sites Grant Program	DOI-NPS	Posted	09/09/2020	11/09/2020
	ant (1,673) her (95)	EPA-R10-PS-2020-001	Puget Sound Action Agenda – Implementation Strategies and Actions for Vital Sign Recovery	EPA	Posted	09/09/2020	11/09/2020
D Pr	ocurement Contract (40)	* RFI-720656-20IFPI	Assistance Program Request for Information -Improved Family planning	USAID-MOZ	Forecasted	09/09/2020	
- All and a second s	LITY:	141-120000-20111	Initiative in Mozambique	00410-11102	1.010003100	03/03/2020	
✓ ELIGIB	igibilities	<ul> <li>BIA-EMDP-2020</li> <li>N00174200001</li> </ul>	Energy and Mineral Development Program (EMDP)	DOI-BIA	Posted	09/09/2020	12/02/2020
🗹 All E		N00174200001	Naval Engineering Education Consortium (NEEC) Broad Agency Announcement for FY20	DOD-ONR- SEA- NSWCIH	Posted	09/09/2020	10/30/2020
	ty or township governments (1,145) ounty governments (1,166)						10/09/2020
	ounty governments (1,166) r profit organizations other than small	72066920RFA00002	Liberia Elections and Democracy (LEAD) Activity	USAID-LIB	Posted	09/08/2020	10/09/2020
All E	unty governments (1,166) r profit organizations other than small es (1,136)	* 72066920RFA00002 72049220RFA00003	Sustainable Coastal Fisheries Management Activity in		Posted Posted	09/08/2020	10/19/2020
All E     C	nunty governments (1,166) r profit organizations other than small es (1,136)	* 72049220RFA00003	Sustainable Coastal Fisheries Management Activity in the Pacific Region National Foundation for the Centers for Disease Control	USAID-LIB USAID-PHI HHS-CDC-			
✓ AIE C C C F C Vuiness ✓ AIE C AIE C	unty governments (1,166) r profit organizations other than small es (1,136)	72049220RFA00003	Sustainable Coastal Fisheries Management Activity in the Pacific Region	USAID-LIB USAID-PHI	Posted	09/08/2020	10/19/2020



# **List of Federal Programs**

- This is an easy-to-use resource for grant applicants to identify applicable emergency communications programs
- CISA compiles information from federal partners on upcoming funding opportunities, as well as monitors <u>Grants.gov</u> on a weekly basis to populate the list
- Periodic updates are posted as new programs are announced throughout the year





### cisa.gov/safecom/funding

## **List of Federal Programs: Example**

 For each applicable federal program, this list summarizes available funding amounts, application deadlines, eligible applicants, and allowable costs that may relate to emergency communications

Office	Financial Assistance Program Description and Website	Program Amount, Application Deadline, and Allocation Method	Eligible Applicants, Objectives, and Emergency Communications-Related Allowable Costs		
Department of Home	eland Security (DHS)				
Federal Emergency Management Agency (FEMA)	Emergency Management Performance Grant (EMPG) EMPG assists state, local, tribal, and territorial governments in preparing for all hazards. The intent is to provide grant funding to assist state emergency management agencies in obtaining the resources required to support the National Preparedness Goal of a secure and resilient nation.	<ul> <li>Program Amount: \$355,100,000 with \$100,000,000 in available supplemental funding from the American Rescue Plan Act (ARPA); funding opportunities are separated by region</li> <li>Application Deadline: 5/14/2021 for both EMPG and ARPA supplemental funding</li> <li>Formula-based: Amounts for each state/territory are listed in the NOFO; 50% match is required</li> </ul>	<ul> <li>Eligible Applicants: State Administrative Agency (SAA) of states/territories or Emergency Management Agency</li> <li>Objectives: Funds activities that address cybersecurity and building and sustaining core capabilities</li> <li>Planning and Organization: Developing/updating Statewide Communication Interoperability Plan, Tactical Interoperability Communications Plans, Threat and Hazard Identification and Risk Assessment, Stakeholder Preparedness Review, and Continuity of Operations</li> <li>Training/Exercises: Develop, deliver, attend, and evaluate training and exercises</li> <li>Equipment: Cybersecurity enhancements, interoperable communications; maintenance and sustainment (e.g., upgrades, user fees, warranties); construction/renovation of communication towers</li> </ul>		



# **Upcoming Grant Programs**

The Infrastructure Investment and Jobs Act established numerous grant programs that may be relevant to the public safety community

- NTIA: The Broadband Equity, Access, and Deployment Program; Digital Equity Competitive Grant Program; Middle Mile Grants; State Digital Equity Capacity Grant Program
- DOE: Enhance Grid Security; Rural and Municipal Utility Advanced Cybersecurity Grant and Technical Assistance Program
- **DHS**: The State and Local Cybersecurity Grant Program
- DOT: The Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation Program; Strengthening Mobility and Revolutionizing Transportation Grant Program
- EPA: The Technical Assistance and Grants for Emergencies Affecting Public Water Systems



**USDA:** The Community Wildfire Defense Grant Program; Reverse-911 Telecommunications Systems Program



## **State and Local Cybersecurity Grant**



- The Infrastructure Investment and Jobs Act of 2021 authorized CISA and FEMA to establish a new grant to address cybersecurity risks and threats to state, local, tribal, and territorial governments' information systems
- The Act appropriates \$1 billion to be awarded in four separate tranches over 4 years (FY 2022–2025)
- Eligible entities include states, tribes, and territories
- Notices of Funding Opportunity will be issued in the coming months on <u>Grants.gov</u>, outlining the application process and award timeline



## **SWIC Coordination of Grant Applications**



cisa.gov/safecom/ncswic-membership



## **Alternative Funding Sources**

FUNDING MECHANISMS	CAPITAL COSTS	ONGOING COSTS	COST-SAVINGS
State and Local Funds	$\bigotimes$	Ø	0
System User Fees	$\bigotimes$	Ø	0
911 911 Surcharges	$\bigotimes$	Ø	0
Bonds	$\bigotimes$	Ø	0
Unique Funding Streams	$\bigotimes$	Ø	0
Special Taxes	$\bigotimes$	0	0
Leasing and Licensing Owned Towers and Infrastructure to Other Entities	0	Ø	0
Traffic Ticket Fees and Vehicle Surcharges	0	Ø	0
Public-Private Partnerships	0	0	$\bigotimes$
Leasing Equipment	0	0	Ø
Grants	Ø	0	$\bigotimes$

- Public safety agencies must increasingly rely on alternative funding mechanisms (beyond grants) to build, improve, expand, and support public safety communications systems
- SAFECOM and NCSWIC's Funding Mechanisms Guide for Public Safety Communications describes common funding mechanisms, considerations, and examples of each

#### cisa.gov/safecom/funding



## **Alternative Funding Sources**



#### State and Local Funds

Funds made available through state and local budget cycles for specific emergency communications projects



#### **System User Fees**

Direct charges to end users for the use of emergency communications products or systems, including voice and/or data services

## 911

### 911 Surcharges

Minor fee applied to each phone line able to use 911 services, including wireline, wireless, and VoIP phone numbers

٢	\$ 7	
-	= _	

### Bonds

Debt obligations that are repaid through taxes or fees over time, with interest



### **Unique Funding Streams**

Non-traditional funding sources, including gambling tax revenues and surcharges (e.g., internet connection surcharges)

## **Alternative Funding Sources**



#### **Special Taxes**

Taxes that require a special vote from the citizenry to establish specific funding streams for public safety improvements



#### Leasing and Licensing Owned Towers

Revenue generated by leasing infrastructure and excess tower capacity to other entities



### Traffic Tickets and Vehicle Surcharges

Fees for traffic tickets and vehicle surcharges that support emergency communications



#### **Public Private Partnerships**

Agreements codified in signed contracts with expiration dates, including terms and conditions for use and maintenance of equipment



### **Leasing Equipment**

Method of acquiring equipment with minimal initial expenditures, as well as spread costs over several years

24

## **Funding and Sustaining LMR Documents**

#### How to Support LMR **SAFECOM & NCSWIC** form decision-makers and SAFECOM and the National Council of Statewide Interoperability Coordinators (NCSWIC) developed elected officials about LMR stems and capabilities this brochure in coordination with the Cybersecurity and Infrastructure Security Agency (CISA). SAFECOM includes more than 70 members Use the LMR Trio to educate public safety representing federal, state, local, and tribal officials on LMR technologies and issues. emergency responders and associations, while Officials should know that LMR systems NCSWIC encompasses SWICs and their staff from are like other technologies and must be 56 states and territories. For more information, visit regularly updated or replaced. the SAFECOM or NCSWIC website. Provide funding and resources for technology refresh or .... stem replacement LMR systems require resources for ongoing maintenance, operations, and lifecycle upgrades. Officials can use the Funding Mechanisms Guide and the Value Analysis Guide for information on finding and prioritizing funding for public safety communications systems. Resources Support the people managing LMR systems within your state. For more information on how to fund and sustain erritory, or tribe public safety communications systems, visit the SAFECOM Funding Resources webpage. Fully fund the Statewide Interoperability Stakeholders can also reference CISA's grant Coordinator (SWIC) in your state/territory, guidance documents and a list of grants funding their staff, and others managing LMR emergency communications, regularly updated by systems. Without a designated, full-time SWIC CISA. Lastly, the SAFECOM Technology Resources or SWIC Program, states/territories are not webpage contains guidance on LMR and other eligible for certain federal grants. technologies used by public safety.

### Funding and Sustaining Land Mobile Radio Systems

SAFECOM

NCSWIC

#### LMR Provides Reliable Communications

Since the 1930s, public safety agencies have deployed land mobile radio (LMR) to support mission-critical communications. State, local, tribal, and territorial agencies have invested millions of dollars in LMR systems, and as a result, there is significant infrastructure in place. Its constant use has enabled responders to adapt LMR technology to a variety of scenarios, which has proved invaluable at keeping responders and the public safe.

LMR technologies are a daily lifeline for emergency responders and public safety officials; their systems and equipment need continual care and maintenance to ensure effective operations. For more information about LMR systems, see the <u>LMR Trio Part 1</u> document.

#### **Basic Components of an LMR System**

LMR and FirstNet

In 2012, the First Responder Network Authority

nationwide public safety broadband network.

While the federal government has developed

the integration and interoperability between

to rely on LMR as a primary means of

Communications Evolution brochure.

development.

minimum interoperability standards for FirstNet.

technical requirements and protocols that ensure

systems connected by the network are still under

As a result, many public safety agencies continue

communication. The community will likely integrate

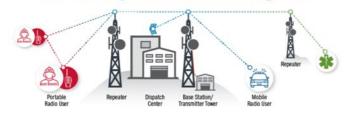
new or improved LMR capabilities, features, and

services for years to come to elongate the return

the LMR Trio Part 2 document and Public Safety

on sizable investments. For more information, see

(FirstNet) was established to develop and deploy a



#### "Need to Know" Funding Information

When funding LMR systems, officials should consult with their SWIC to ensure the project supports the <u>Statewide Communication</u> Interoperability Plan and <u>National Emergency</u> <u>Communications Plan.</u> To find the SWIC for your state/territory, visit the <u>NCSWIC Contact</u> Information webpage.

LMR systems must additionally adhere to certain technical standards. The <u>LMR Trio Part 3</u> document provides information about technical standards for LMR investments, including information on Project 25 compliance.

All emergency communications projects funded through federal grants must also adhere to the <u>SAFECOM Guidance on Emergency</u> <u>Communications Grants</u>, which provides recommendations, best practices, and resources to public safety agencies. Understanding interoperable communications

requires more than technology, the guidance

recommends applicants to:

 Develop standard operating procedures and agreements that provide mutually-approved processes for coordination;

- Invest in training, exercises, and activities that enhance operational coordination; and
- Recognize cybersecurity risks and continually invest in mitigation measures, including activities that encourage continuity and resilience.



#### cisa.gov/safecom/funding

## **Contingency Planning Fact Sheet**

#### SAFECOM

#### Contingency Considerations When Facing Reductions in **Emergency Communications Budgets**

Recent national events, such as the health crisis and geopolitical tensions, have caused budget reductions across the public safety community. To help state, local, tribal, and territorial government agencies maintain or adjust their budgets in a time of constrained funding, SAFECOM and the National Council of Statewide Interoperability Coordinators (NCSWIC) developed this fact sheet to provide a series of contingency considerations to justify investment in four mission-critical resource categories; personnel, operating costs, equipment, and software. While these considerations are intended to "keep the lights on," each section features a light blue box with "nice to have" items should additional funding become available. While agencies cannot control all financial impacts, this fact sheet identifies elements that agencies can directly influence, use to advocate for additional funding, or use to defend critical expenses.

#### How Do SWICs Contribute to Funding Decisions?

atewide Interoperability Coordinators (SWICs) are xperts on their states' nd can accurately prioritiz nding during periods of duced budgets

NICs act as a liaison to th ernment on ming statewi roperability, including ding challenges

thout a designated, fullime SWIC or SWIC Progra tates are not eligible for rtain federal grants

#### **Operating Costs**

- · Setting aside funding for incidentals and consumables, such as fuel purchases, is necessary for incident response
- · Renegotiating contract terms (e.g., interest rates) with vendors can modify payment schedules
- Terminating or defaulting on contracts can result in late or legal fees, increasing costs in the long-term
- · Defaulting on contracts (e.g., subscriptions, rent, leases, licenses) can negatively impact credit scores making it more difficult to secure certain funding mechanisms (e.g., bonds, public-private partnerships) in the future

With additional funds, agencies can consider funding backup fuel reserves, purchasing replacement parts, and investing in secondary or backup sites

Contingency Considerations When Facing Reductions in Emergency Communications Budgets

Personnel

stment in mission-chucal resource categories. refers users to risk analysis guidance and technical assistance resources, and showcases real-world examples to assist officials in their planning efforts.

1 | PAGE

NCSWIC

Contingency Considerations When Facing Reductions in Emergency Communications Budgets

tions to

#### Recent national events, such as the health crisis and geopolitical tensions, have caused budget reductions across the public safety community

Although agencies cannot control all financial impacts, this fact sheet identifies elements that agencies can directly influence, use to advocate for additional funding, or use to defend critical expenses

#### cisa.gov/safecom/funding

26



· Encouraging virtual attendance at conferences can reduce travel costs, while still fulfilling position, governance, education, and networking goals · Planning for employees to attend trainings necessary to maintaining jobessential certifications

staff, negating cost savings

With additional funds, agencies can consider supporting optional trainings and exercises to build personnel knowledge, supporting in-person meetings (once advisable), and hiring backup personnel for anticipated absences

Personnel are essential and should be protected during budget cuts to ensure

Maintaining current staff is often more effective and efficient than replacing or

training new personnel. If staff are furloughed or leave their positions, they

may be difficult to replace due to hiring freezes and market competition

Creating restoration plans is necessary for an eventual "return to normal"

continued daily mission-critical operations and emergency management.

#### funding risk assessments, cybersecurity Preparing justifications for current roles or revising positions' hours, additional solutions, preventive upgrades, backup systems duties, and pay schedules, can help maintain essential staffing levels, and mitigation exercises preserve mission-critical functions, and ensure reliable customer service Furloughing or reducing hours of some staff may result in overtime for other Additional Resources

Software

updates

Agencies can reference the following materials to advocate for emergency communications funding and mitigate current and future funding challenges.

· Maintaining operability, interoperability, security,

· Continuing payments are often required to retain

installments, rather than a one-time purchase

Forgoing software maintenance or associated

software licenses can increase cybersecurity

With additional funds, agencies can conside

vulnerabilities, impairing an agency's ability to

programs that are paid in a series of

effectively communicate

vendor support and system access for software

and continuity often necessitates software





21PAGE

## **How You Can Take Action**

- Take steps for your organization or jurisdiction to implement the NECP and achieve its success indicators
- Use the SAFECOM Guidance when planning emergency communications projects and identifying applicable grants
- Prioritize emergency communications needs and coordinate with the SWIC on applications for federal financial assistance
- Develop or promote a diverse portfolio of funding mechanisms to sustain emergency communications systems
- Leverage existing resources to support and maintain emergency communications budgets



### Resources

- SAFECOM Funding Resources: <u>cisa.gov/safecom/funding</u>
  - SAFECOM Guidance on Emergency Communications Grants Updated annually
  - List of Federal Financial Assistance Programs Funding Emergency Communications – Updated frequently
  - Funding Mechanisms Guide for Public Safety Communications 2021
  - Funding and Sustaining Land Mobile Radio Document Suite 2021
  - Contingency Considerations When Facing Reductions in Emergency Communications Budgets – 2021
  - Contingency Planning Guide for Emergency Communications Funding 2022
- Statewide Interoperability Coordinators
- Emergency Communications Technical Assistance and Planning Guide: Grant Funding for Emergency Communications Webinar



-esourcec







Charlee Hess March 9, 2022

## **Upcoming Webinars**



Join the Cybersecurity and Infrastructure Security Agency for webinars focused on:

### Implementing the National Emergency Communications Plan

Bookmark our webpage to check back for future webinars: cisa.gov/necp-webinars

All webinars start at 1PM ET To join, use: Webinar link (for visual): https://share.dhs.gov/necpwebinars Dial-in (for audio): 800-897-5813







### For more information on the NECP: <u>cisa.gov/necp</u> <u>NECP@cisa.dhs.gov</u>

