



SAFECOM Nationwide Survey

Standard Errors by Item

Rev. 2024.07.16



Overview

This file contains aggregate response data for the 2023 iteration of the [SAFECOM Nationwide Survey \(SNS\)](#). The SNS is a national data collection initiative sponsored by SAFECOM and executed by the U.S. Department of Homeland Security (DHS) Cybersecurity and Infrastructure Security Agency (CISA). The SNS invites members of the public safety community to share information regarding their organization's emergency communications capabilities and gaps. The target population for the 2023 iteration of the SNS included Fire & Rescue (FIRE), Law Enforcement (LE), Emergency Management (EM), Emergency Medical Services (EMS), and Emergency Communications Centers/Public Safety Answering Points (ECC). This file presents findings for respondents from the local level only (including county and municipal public safety organizations). All members of the targeted disciplines at the local level were invited to participate in the SNS. After data cleaning and validation, 4,933 useable responses were received from organizations at the local level. A "useable" response refers to a partially complete response that includes response selections for at least one substantive question beyond demographics. Due to attrition, questions near the beginning of the survey generally have greater response data than questions near the end of the survey.

How to use this resource

The Item Inventory (beginning on the page two) provides a full-text inventory of SNS questions and response options contained in this file. A survey "item" refers to a discrete decision point at which the respondent was asked to provide a response. For questions that asked the respondent to select one response (SOR), each enumerated question is an item. For questions that asked the respondent to select all responses that apply (SATA), each available answer option is an item. This file reports results at several levels of aggregation: all respondents, each discipline (five total), each of three predefined urbanicity categories (three total), and each discipline-urbanicity intersection (or "substrata," 15 total). Due to sensitivity of some items, not all items are reported, and all results are described in aggregate only.

All quantitative values in this file are standard errors for sample proportions of respondents who selected the indicated response. The value "NR" indicates that no respondents selected an available answer option for non-demographics questions.

Caveats

Information provided in this resource is intended for educational and research purposes. It is provided "as-is" and may be subject to revision as the underlying response dataset undergoes additional refinement and enhancement. Users of the resource should take care to note that quantitative findings in this file are compatible with many interpretations and causal accounts, and that the public safety and emergency communications ecosystem across the United States is diverse and complex. For guidance on interpreting survey results, assistance accessing additional SNS data products, or to report a problem with this file, please contact the SAFECOM Nationwide Survey Team at sns@cisa.dhs.gov.

Item Inventory. The table below lists all items and corresponding descriptions contained in this file (618 total). The Item Name column lists the names of items as they appear in the SNS dataset. The Question Text and Response Options columns contain the question and response options text as it appeared to respondents participating in the survey. All available answer options for select one response (SOR) question formats are given in the same item, indicated with right carats (>).

Item Name	Question Text	Response Options
D02_5	None: Rural Urban Continuum Code (RUCC)	None: calculated from respondent county and/or ZIP
D02_6	None: Urbanicity	None: calculated from respondent RUCC (1=Metro, 2-4=Urban, 5-9=Rural)
D04.a	Select the response(s) that best characterize your organization's public safety discipline [SATA]	Fire
D04.b	Select the response(s) that best characterize your organization's public safety discipline [SATA]	Law Enforcement
D04.c	Select the response(s) that best characterize your organization's public safety discipline [SATA]	Emergency Medical Services
D04.d	Select the response(s) that best characterize your organization's public safety discipline [SATA]	Emergency Management
D04.e	Select the response(s) that best characterize your organization's public safety discipline [SATA]	Emergency Communications Center/Public Safety Answering Point
D06	Estimate the number of personnel in your organization [SOR]	>Fewer than 50 >50-250 >251-500 >501-1000 >1001-5000 >5001-10000 >More than 10000
D07	Estimate the population size that your organization serves [SOR]	>Fewer than 2500 >2500-4999 >5000-9999 >10000-24999 >25000-1 million >More than 1 million
Q01.a	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	Within my organization
Q01.b	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	With other public safety organizations in the same jurisdiction
Q01.c	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	With other government organizations in the same jurisdiction that support public safety
Q01.d	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	Local governments
Q01.e	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	State/territorial governments

Q01.f	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	Federal departments/agencies
Q01.g	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	Tribal governments/organizations
Q01.h	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	NGO/private sector
Q01.i	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	International/cross-border entities
Q01.j	My organization participates in informal decision-making groups that address emergency communications that include representatives from... [SATA]	My organization does not participate in informal groups
Q02.a	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	Within my organization
Q02.b	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	With other public safety organizations in the same jurisdiction
Q02.c	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	With other government organizations in the same jurisdiction that support public safety
Q02.d	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	Local governments
Q02.e	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	State/territorial governments
Q02.f	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	Federal departments/agencies
Q02.g	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	Tribal governments/organizations
Q02.h	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	NGO/private sector
Q02.i	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	International/cross-border entities
Q02.j	My organization participates in formal decision-making groups that address emergency communications that include representatives from... [SATA]	My organization does not participate in formal groups
Q03	Do your formal decision-making groups invite and/or recruit participants beyond first responders [SOR]	>Yes >No

Q03a.a	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	Emergency Support Functions (ESF)* #1 – Transportation
Q03a.b	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #2 – Communications
Q03a.c	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #3 – Public Works and Engineering
Q03a.d	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #4 – Firefighting
Q03a.e	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #5 – Information and Planning
Q03a.f	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #6 – Mass Care, Emergency Assistance, Temporary Housing, and Human Resources
Q03a.g	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #7 – Logistics
Q03a.h	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #8 – Public Health and Medical Services
Q03a.i	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #9 – Search and Rescue
Q03a.j	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #10 – Oil and Hazardous Materials Response
Q03a.k	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #11 – Agriculture and Natural Resources
Q03a.l	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #12 – Energy
Q03a.m	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #13 – Public Safety and Security
Q03a.n	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #14 – Cross-Sectional Business and Infrastructure
Q03a.o	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	ESF #15 – External Affairs
Q03a.p	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	Information Technology Advisors or Providers
Q03a.q	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	Cybersecurity Advisors or Providers
Q03a.r	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	NGOs

Q03a.s	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	Private Sector
Q03a.t	What type of participants beyond first responders are invited to your organization's formal decision-making groups? [SATA]	Academia
Q04_1.1	Do the decision-making groups in which your organization participates sufficiently support your organization's need for day-to-day operability ? [SOR]	>Yes >No
Q04_1.2	Do the decision-making groups in which your organization participates sufficiently support your organization's need for out-of-the-ordinary operability ? [SOR]	>Yes >No
Q04_2.1	Do the decision-making groups in which your organization participates sufficiently support your organization's need for day-to-day interoperability ? [SOR]	>Yes >No
Q04_2.2	Do the decision-making groups in which your organization participates sufficiently support your organization's need for out-of-the-ordinary interoperability ? [SOR]	>Yes >No
Q04_3.1	Do the decision-making groups in which your organization participates sufficiently support your organization's need for day-to-day continuity ? [SOR]	>Yes >No
Q04_3.2	Do the decision-making groups in which your organization participates sufficiently support your organization's need for out-of-the-ordinary continuity ? [SOR]	>Yes >No
Q05_1	Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with other public safety organizations in the same jurisdiction [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)	>There are informal, undocumented agreements in practice with >There are published and active agreements <u>with some</u> >There are published and active agreements <u>with most</u> >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with >Not applicable
Q05_2	Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with other government organizations in the same jurisdiction that support public safety [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)	>There are informal, undocumented agreements in practice with >There are published and active agreements with some >There are published and active agreements with most >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with >Not applicable

Q05_3 Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability **with local governments** [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

- >There are informal, undocumented agreements in practice with
- >There are published and active agreements with some
- >There are published and active agreements with most
- >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with
- >Not applicable

Q05_4 Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability **with state/territorial governments** [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

- >There are informal, undocumented agreements in practice with
- >There are published and active agreements with some
- >There are published and active agreements with most
- >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with
- >Not applicable

Q05_5 Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability **with federal departments/agencies** [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

- >There are informal, undocumented agreements in practice with
- >There are published and active agreements with some
- >There are published and active agreements with most
- >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with
- >Not applicable

Q05_6 Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability **with tribal governments/organizations** [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

- >There are informal, undocumented agreements in practice with
- >There are published and active agreements with some
- >There are published and active agreements with most
- >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with
- >Not applicable

Q05_7 Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability **with NGO/private sector** [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

- >There are informal, undocumented agreements in practice with
- >There are published and active agreements with some
- >There are published and active agreements with most
- >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with
- >Not applicable

Q05_8 Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability **with international/cross-border entities** [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

- >There are informal, undocumented agreements in practice with
- >There are published and active agreements with some
- >There are published and active agreements with most
- >Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with
- >Not applicable

Q06_1.1	Do your organization's agreements meet its needs to achieve day-to-day operability ? [SOR]	>Yes >No
Q06_1.2	Do your organization's agreements meet its needs to achieve out-of-the-ordinary operability ? [SOR]	>Yes >No
Q06_2.1	Do your organization's agreements meet its needs to achieve day-to-day interoperability ? [SOR]	>Yes >No
Q06_2.2	Do your organization's agreements meet its needs to achieve out-of-the-ordinary interoperability ? [SOR]	>Yes >No
Q06_3.1	Do your organization's agreements meet its needs to achieve day-to-day continuity ? [SOR]	>Yes >No
Q06_3.2	Do your organization's agreements meet its needs to achieve out-of-the-ordinary continuity ? [SOR]	>Yes >No
Q07_01	Select the responses that best characterize the overall funding of capital investment related to emergency communications network/system(s) used by your organization [SOR]	>There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_02	Select the responses that best characterize the overall funding of operating costs related to emergency communications network/system(s) used by your organization [SOR]	>There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_03	Select the responses that best characterize the overall funding of maintenance costs related to emergency communications network/system(s) used by your organization [SOR]	>There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_04	Select the responses that best characterize the overall funding of upgrade costs related to emergency communications network/system(s) used by your organization [SOR]	>There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_05	Select the responses that best characterize the overall funding of decommissioning related to emergency communications network/system(s) used by your organization [SOR]	>There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_06	Select the responses that best characterize the overall funding of applications and services development and implementation related to emergency communications network/system(s) used by your organization [SOR]	>There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable

Q07_07	Select the responses that best characterize the overall funding of Telecommunications Service Priority (TSP) related to emergency communications network/system(s) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_08	Select the responses that best characterize the overall funding of Nationwide Public Service Broadband Network (NPSBN)/FirstNet related to emergency communications network/system(s) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_09	Select the responses that best characterize the overall funding of Integrating Public Alerts and Warnings System (IPAWS) related to emergency communications network/system(s) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q07_10	Select the responses that best characterize the overall funding of NG911 related to emergency communications network/system(s) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q08_1	Select the responses that best characterize the overall funding for equipment management costs related to the communications equipment (e.g., fixed, mobile, portable) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q08_2	Select the responses that best characterize the overall funding for equipment upgrades related to the communications equipment (e.g., fixed, mobile, portable) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q08_3	Select the responses that best characterize the overall funding for equipment disposal costs related to the communications equipment (e.g., fixed, mobile, portable) used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q09_1	Select the responses that best characterize the overall funding of capital investment related to the interoperability solutions used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q09_2	Select the responses that best characterize the overall funding of operating costs related to the interoperability solutions used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable

Q09_3	Select the responses that best characterize the overall funding of maintenance costs related to the interoperability solutions used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q09_4	Select the responses that best characterize the overall funding of research and development related to the interoperability solutions used by your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q10_1	Select the responses that best characterize the overall funding of capital investment related to cybersecurity within your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q10_2	Select the responses that best characterize the overall funding of operating costs related to cybersecurity within your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q10_3	Select the responses that best characterize the overall funding of maintenance costs related to cybersecurity within your organization [SOR]	<ul style="list-style-type: none"> >There is no funding for this item >There is funding, but it is insufficient to meet needs >There is funding, and it is sufficient for all needs >Funding is sufficient and has been identified to address needs beyond the current budget cycle >Not applicable
Q11.a	Select the sources used by your organization to fund emergency communications [SATA]	Discretionary funding
Q11.b	Select the sources used by your organization to fund emergency communications [SATA]	Appropriated/dedicated funding (e.g., operational and/or capital budgets)
Q11.c	Select the sources used by your organization to fund emergency communications [SATA]	Grants
Q11.d	Select the sources used by your organization to fund emergency communications [SATA]	Bonds
Q11.e	Select the sources used by your organization to fund emergency communications [SATA]	Specialized taxes
Q11.f	Select the sources used by your organization to fund emergency communications [SATA]	Fees
Q11.g	Select the sources used by your organization to fund emergency communications [SATA]	Shared resources (e.g., operations and maintenance, systems, equipment, real estate)
Q11.h	Select the sources used by your organization to fund emergency communications [SATA]	Private individuals or organizations
Q11.i	Select the sources used by your organization to fund emergency communications [SATA]	Personally supplied communications equipment (e.g., bring-your-own device)
Q12_1.a	Indicate whether your organization shares either costs or resources with other public safety organizations in the same jurisdiction [SATA]	Costs
Q12_1.b	Indicate whether your organization shares either costs or resources with other public safety organizations in the same jurisdiction [SATA]	Resources

Q12_2.a	Indicate whether your organization shares either costs or resources with other government organizations in the same jurisdiction that support public safety [SATA]	Costs
Q12_2.b	Indicate whether your organization shares either costs or resources with other government organizations in the same jurisdiction that support public safety [SATA]	Resources
Q12_3.a	Indicate whether your organization shares either costs or resources with local governments [SATA]	Costs
Q12_3.b	Indicate whether your organization shares either costs or resources with local governments [SATA]	Resources
Q12_4.a	Indicate whether your organization shares either costs or resources with state/territorial governments [SATA]	Costs
Q12_4.b	Indicate whether your organization shares either costs or resources with state/territorial governments [SATA]	Resources
Q12_5.a	Indicate whether your organization shares either costs or resources with federal departments/agencies [SATA]	Costs
Q12_5.b	Indicate whether your organization shares either costs or resources with federal departments/agencies [SATA]	Resources
Q12_6.a	Indicate whether your organization shares either costs or resources with tribal governments/organizations [SATA]	Costs
Q12_6.b	Indicate whether your organization shares either costs or resources with tribal governments/organizations [SATA]	Resources
Q12_7.a	Indicate whether your organization shares either costs or resources with NGO/private sector [SATA]	Costs
Q12_7.b	Indicate whether your organization shares either costs or resources with NGO/private sector [SATA]	Resources
Q12_8.a	Indicate whether your organization shares either costs or resources with international/cross-border entities [SATA]	Costs
Q12_8.b	Indicate whether your organization shares either costs or resources with international/cross-border entities [SATA]	Resources
Q12_9.a	Indicate whether your organization shares either costs or resources with no other organizations [SATA]	Costs
Q12_9.b	Indicate whether your organization shares either costs or resources with no other organizations [SATA]	Resources
Q13L	Select the response that best characterizes your organization's strategic planning process for emergency communications [SOR]. Note: Responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)	<ul style="list-style-type: none"> >No planning process or plan is in place >A planning process is in place and a plan for addressing emergency communications is under development >A plan for addressing emergency communications is in place and operationalized by participating organizations >A plan for addressing emergency communications is in place and is reviewed annually, after system upgrades, and after incidents/events that test organizational capabilities

Q13a.a	Identify organizations included in your strategic planning processes for emergency communications [SATA]	Other public safety organizations in the same jurisdiction
Q13a.b	Identify organizations included in your strategic planning processes for emergency communications [SATA]	Other government organizations in the same jurisdiction that support public safety
Q13a.c	Identify organizations included in your strategic planning processes for emergency communications [SATA]	Local governments
Q13a.d	Identify organizations included in your strategic planning processes for emergency communications [SATA]	State/territorial governments
Q13a.e	Identify organizations included in your strategic planning processes for emergency communications [SATA]	Federal departments/agencies
Q13a.f	Identify organizations included in your strategic planning processes for emergency communications [SATA]	Tribal governments/organizations
Q13a.g	Identify organizations included in your strategic planning processes for emergency communications [SATA]	NGO/private sector
Q13a.h	Identify organizations included in your strategic planning processes for emergency communications [SATA]	International/cross-border entities
Q13a.i	Identify organizations included in your strategic planning processes for emergency communications [SATA]	None of the above
Q14_1.1	Does your organization's strategic planning process meet its needs to achieve day-to-day operability ? [SOR]	>Yes >No
Q14_1.2	Does your organization's strategic planning process meet its needs to achieve out-of-the-ordinary operability ? [SOR]	>Yes >No
Q14_2.1	Does your organization's strategic planning process meet its needs to achieve day-to-day interoperability ? [SOR]	>Yes >No
Q14_2.2	Does your organization's strategic planning process meet its needs to achieve out-of-the-ordinary interoperability ? [SOR]	>Yes >No
Q14_3.1	Does your organization's strategic planning process meet its needs to achieve day-to-day continuity ? [SOR]	>Yes >No
Q14_3.2	Does your organization's strategic planning process meet its needs to achieve out-of-the-ordinary continuity ? [SOR]	>Yes >No
Q15.a	Select the responses that apply to your organization's SOPs/SOGs [SATA]	No communications SOPs/SOGs currently exist
Q15.b	Select the responses that apply to your organization's SOPs/SOGs [SATA]	Communications personnel SOPs/SOGs exist (e.g., mobilization, deployment, demobilization)
Q15.c	Select the responses that apply to your organization's SOPs/SOGs [SATA]	Communications resources SOPs/SOGs exist (e.g., activation, deployment, deactivation)
Q15.d	Select the responses that apply to your organization's SOPs/SOGs [SATA]	SOPs/SOGs are updated on a regular basis

Q15a_1	<p>Select the responses that best characterize your organization's SOPs/SOGs within my organization [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)</p>	<p>>Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable</p>
Q15a_2	<p>Select the responses that best characterize your organization's SOPs/SOGs with other public safety organizations in the same jurisdiction [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)</p>	<p>>Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable</p>
Q15a_3	<p>Select the responses that best characterize your organization's SOPs/SOGs with other government organizations in the same jurisdiction that support public safety [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)</p>	<p>>Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable</p>
Q15a_4	<p>Select the responses that best characterize your organization's SOPs/SOGs with local governments [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)</p>	<p>>Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable</p>
Q15a_5	<p>Select the responses that best characterize your organization's SOPs/SOGs with state governments [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)</p>	<p>>Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable</p>
Q15a_6	<p>Select the responses that best characterize your organization's SOPs/SOGs with federal departments/agencies [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)</p>	<p>>Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable</p>

Q15a_7	Select the responses that best characterize your organization's SOPs/SOGs with tribal governments/organizations [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)	<ul style="list-style-type: none"> >Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable
Q15a_8	Select the responses that best characterize your organization's SOPs/SOGs with NGO/private sector [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)	<ul style="list-style-type: none"> >Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable
Q15a_9	Select the responses that best characterize your organization's SOPs/SOGs with international/cross-border entities [SOR]. Note: Reading from left to right, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)	<ul style="list-style-type: none"> >Informal practices and procedures are in place >Formal policies/ practices/ procedures enable "day-to-day" situation interoperability >Formal policies/ practices/ procedures enable "out-of-the-ordinary" situation interoperability >Processes for SOP/SOG development and review exist for consistency across responders >Not applicable
Q15b.a	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	Local guidance
Q15b.b	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	State guidance
Q15b.c	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	Territorial guidance
Q15b.d	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	National/federal guidance
Q15b.e	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	Tribal guidance
Q15b.f	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	Industry guidance (e.g., vendor, provider, trade organization)
Q15b.g	Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs [SATA]	None of the above
Q15d.a	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Land mobile radio (LMR)
Q15d.b	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Broadband
Q15d.c	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Project 25 (P25) encryption
Q15d.d	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Social media
Q15d.e	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Cybersecurity
Q15d.f	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Priority Telecommunications Services
Q15d.g	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Next Generation 911 (NG911)
Q15d.h	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Alerts, warnings, and notifications (e.g., Wireless Emergency Alert, Emergency Alert System)

Q15d.i	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Continuity of communications (e.g., resiliency, redundancy, primary/secondary/backup)
Q15d.j	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Physical security
Q15d.k	Select the topics that are included in your organization's SOPs/SOGs [SATA]	Position, navigation, and timing (PNT)
Q15d.l	Select the topics that are included in your organization's SOPs/SOGs [SATA]	None of the above
Q16_1.1	Does your organization's SOPs/SOGs sufficiently meet its needs to achieve day-to-day operability ? [SOR]	>Yes >No
Q16_1.2	Does your organization's SOPs/SOGs sufficiently meet its needs to achieve out-of-the-ordinary operability ? [SOR]	>Yes >No
Q16_2.1	Does your organization's SOPs/SOGs sufficiently meet its needs to achieve day-to-day interoperability ? [SOR]	>Yes >No
Q16_2.2	Does your organization's SOPs/SOGs sufficiently meet its needs to achieve out-of-the-ordinary interoperability ? [SOR]	>Yes >No
Q16_3.1	Does your organization's SOPs/SOGs sufficiently meet its needs to achieve day-to-day continuity ? [SOR]	>Yes >No
Q16_3.2	Does your organization's SOPs/SOGs sufficiently meet its needs to achieve out-of-the-ordinary continuity ? [SOR]	>Yes >No
Q17.a	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Channel/console cross-patching
Q17.b	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Cloud-based environment
Q17.c	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Commercial wireless equipment (e.g., bring-your-own-device)
Q17.d	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Commercial wireless equipment (e.g., government furnished equipment)
Q17.e	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Commercial wireless service offering (e.g., mission critical push-to-talk [MCPTT], direct mode)
Q17.f	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Common applications (e.g., use of same or compatible applications to share data)
Q17.g	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Console-to-console intercom interconnections (e.g., center-to-center voice and data)
Q17.h	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Crossband repeaters
Q17.i	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Custom-interfaced applications (e.g., custom linking of proprietary applications or use of middleware to share data)
Q17.j	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Data exchange hubs (e.g., computer-aided dispatch [CAD]-to-CAD, integrated message switching systems [MSS])

Q17.k	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Deployable audio/gateway switch
Q17.l	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Deployable site infrastructure (e.g., cell on wheels [COW]/cell on light truck [COLT], transportable land-mobile radio)
Q17.m	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Established channel sharing agreements
Q17.n	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Fixed audio/gateway switch
Q17.o	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Inter-Radio Frequency (RF) Subsystem Interface (ISSI)/Console Subsystem Interface (CSSI)
Q17.p	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Mobile command post/mobile communications center
Q17.q	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Mutual aid channels/talkgroups (e.g., shared channels/talkgroups)
Q17.r	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Nationwide Public Safety Broadband Network (NPSBN)/FirstNet
Q17.s	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	National Information Exchange Model (NIEM)-based data exchange
Q17.t	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	National Public Safety Planning Advisory Committee (NPSPAC) channels
Q17.u	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	One-way standards-based sharing of data (e.g., applications to “broadcast/push” or “receive/pull” data from systems)
Q17.v	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Radio cache/radio exchange
Q17.w	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Radio reprogramming
Q17.x	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Shared system (conventional or trunked)
Q17.y	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	Standards-based shared systems (e.g., Project 25 [P25])
Q17.z	Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based [SATA]	None of the above
Q18.a	Select the types of information that are exchanged between your organization and others [SATA]	Voice
Q18.b	Select the types of information that are exchanged between your organization and others [SATA]	Video
Q18.c	Select the types of information that are exchanged between your organization and others [SATA]	Geographic information system (GIS) data

Q18.d	Select the types of information that are exchanged between your organization and others [SATA]	Evacuee/patient tracking data
Q18.e	Select the types of information that are exchanged between your organization and others [SATA]	Accident/crash (telematics) data
Q18.f	Select the types of information that are exchanged between your organization and others [SATA]	Resource data (available equipment, teams, shelter/hospital beds)
Q18.g	Select the types of information that are exchanged between your organization and others [SATA]	Biometric data
Q18.h	Select the types of information that are exchanged between your organization and others [SATA]	Computer-Aided Dispatch (CAD) data
Q18.i	Select the types of information that are exchanged between your organization and others [SATA]	Automatic vehicle location (AVL) data
Q18.j	Select the types of information that are exchanged between your organization and others [SATA]	Common operating picture data/situational awareness
Q18.k	Select the types of information that are exchanged between your organization and others [SATA]	Records management system (RMS)
Q18.l	Select the types of information that are exchanged between your organization and others [SATA]	Threat intelligence data
Q18.m	Select the types of information that are exchanged between your organization and others [SATA]	Sensor or Internet of Things (IoT)-based data
Q18.n	Select the types of information that are exchanged between your organization and others [SATA]	Other types of data
Q19_01	Select the extent to which unplanned system/equipment failure has impacted your organization's ability to communicate [SOR]	>None >Little extent >Some extent >Great extent >Not applicable
Q19_02	Select the extent to which excessive planned downtime has impacted your organization's ability to communicate [SOR]	>None >Little extent >Some extent >Great extent >Not applicable
Q19_03	Select the extent to which frequency interference has impacted your organization's ability to communicate [SOR]	>None >Little extent >Some extent >Great extent >Not applicable
Q19_04	Select the extent to which system congestion (e.g., limited spectrum capacity, insufficient frequencies) has impacted your organization's ability to communicate [SOR]	>None >Little extent >Some extent >Great extent >Not applicable
Q19_05	Select the extent to which cybersecurity disruptions for breaches have impacted your organization's ability to communicate [SOR]	>None >Little extent >Some extent >Great extent >Not applicable
Q19_06	Select the extent to which poor in-building coverage has impacted your organization's ability to communicate [SOR]	>None >Little extent >Some extent >Great extent >Not applicable

Q19_07	Select the extent to which poor outdoor coverage has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_08	Select the extent to which poor subscriber unit quality has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_09	Select the extent to which insufficient site hardening has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_10	Select the extent to which insufficient system/equipment redundancy has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_11	Select the extent to which insufficient route diversity has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_12	Select the extent to which insufficient wireless voice application interoperability has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_13	Select the extent to which insufficient wireless data application interoperability has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_14	Select the extent to which deferred maintenance has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_15	Select the extent to which deferred capital expenditures have impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_16	Select the extent to which diminished service due to adding users from beyond our organization has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable

Q19_17	Select the extent to which system/equipment failure beyond the ownership or control of our organization has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q19_18	Select the extent to which incompatibility of proprietary systems, modes, and algorithms has impacted your organization's ability to communicate [SOR]	<ul style="list-style-type: none"> >None >Little extent >Some extent >Great extent >Not applicable
Q20_1	Does your organization have the appropriate infrastructure, systems, equipment, and facilities to continue to communicate during day-to-day situations ? [SOR]	<ul style="list-style-type: none"> >Strongly disagree >Disagree >Neutral >Agree >Strongly agree
Q20_2	Does your organization have the appropriate infrastructure, systems, equipment, and facilities to continue to communicate during out-of-the-ordinary situations ? [SOR]	<ul style="list-style-type: none"> >Strongly disagree >Disagree >Neutral >Agree >Strongly agree
Q21_1	Does your organization have the appropriate fixed, portable, mobile, deployable, and/or temporary solutions to support day-to-day interoperability? [SOR]	<ul style="list-style-type: none"> >Strongly disagree >Disagree >Neutral >Agree >Strongly agree
Q21_2	Does your organization have the appropriate fixed, portable, mobile, deployable, and/or temporary solutions to support out-of-the-ordinary interoperability? [SOR]	<ul style="list-style-type: none"> >Strongly disagree >Disagree >Neutral >Agree >Strongly agree
Q22	Select the response that best characterizes how well your organization's communications systems meet its mission requirements [SOR]	<ul style="list-style-type: none"> >Systems do not currently meet mission requirements >Systems meet only basic mission requirements >Systems meet mission requirements of day-to-day situations, but not out-of-the-ordinary situations >Systems meet all mission requirements of day-to-day and most out-of-the-ordinary situations
Q23	Has your organization engaged in cybersecurity planning and/or implementation? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q23a.a	Select the cybersecurity planning measures your organization uses [SATA]	Risk assessment
Q23a.b	Select the cybersecurity planning measures your organization uses [SATA]	Incident response plans/policies
Q23a.c	Select the cybersecurity planning measures your organization uses [SATA]	Vulnerability response plans/policies
Q23a.d	Select the cybersecurity planning measures your organization uses [SATA]	Coordination lead (e.g., incident manager)
Q23a.e	Select the cybersecurity planning measures your organization uses [SATA]	Incident response team (IRT)
Q23a.f	Select the cybersecurity planning measures your organization uses [SATA]	Integration of cyber threat intelligence (CTI) sources
Q23a.g	Select the cybersecurity planning measures your organization uses [SATA]	Means for collecting digital forensics and other data or evidence

Q23a.h	Select the cybersecurity planning measures your organization uses [SATA]	Agreement with another entity that provides cybersecurity services (e.g., commercial vendor, internal IT department or function)
Q23a.i	Select the cybersecurity planning measures your organization uses [SATA]	Cybersecurity insurance
Q23a.j	Select the cybersecurity planning measures your organization uses [SATA]	Recovery exercises (e.g., use of failover systems, backup recovery)
Q23a.k	Select the cybersecurity planning measures your organization uses [SATA]	None of the above
Q23b.a	Select the cybersecurity measures that your organization has implemented [SATA]	Single factor authentication (e.g., passwords)
Q23b.b	Select the cybersecurity measures that your organization has implemented [SATA]	Multi-factor authentication (e.g., smart cards, personal identification verification [PIV] cards, tokens)
Q23b.c	Select the cybersecurity measures that your organization has implemented [SATA]	Continuous monitoring (e.g., antivirus, intrusion detection)
Q23b.d	Select the cybersecurity measures that your organization has implemented [SATA]	Backups
Q23b.e	Select the cybersecurity measures that your organization has implemented [SATA]	Automated updates
Q23b.f	Select the cybersecurity measures that your organization has implemented [SATA]	Failover system
Q23b.g	Select the cybersecurity measures that your organization has implemented [SATA]	Hardened workstations for monitoring and response activities
Q23b.h	Select the cybersecurity measures that your organization has implemented [SATA]	Disk and active memory imaging
Q23b.i	Select the cybersecurity measures that your organization has implemented [SATA]	Coordinated response and restoration activities with internal and external parties
Q23b.j	Select the cybersecurity measures that your organization has implemented [SATA]	Post-incident lessons learned analysis (e.g., hotwash, after-action report)
Q23b.k	Select the cybersecurity measures that your organization has implemented [SATA]	None of the above
Q23b1.a	Indicate which continuous monitoring capabilities your organization uses [SATA]	Antivirus (AV) software
Q23b1.b	Indicate which continuous monitoring capabilities your organization uses [SATA]	Endpoint detection and response (EDR) solutions
Q23b1.c	Indicate which continuous monitoring capabilities your organization uses [SATA]	Data loss prevention (DLP) capabilities
Q23b1.d	Indicate which continuous monitoring capabilities your organization uses [SATA]	Intrusion detection and prevention systems (IDPS)
Q23b1.e	Indicate which continuous monitoring capabilities your organization uses [SATA]	Authorization, host, application, and cloud logs
Q23b1.f	Indicate which continuous monitoring capabilities your organization uses [SATA]	Network flows
Q23b1.g	Indicate which continuous monitoring capabilities your organization uses [SATA]	Packet capture (PCAP)
Q23b1.h	Indicate which continuous monitoring capabilities your organization uses [SATA]	Security information and event management (SIEM) systems
Q23b1.i	Indicate which continuous monitoring capabilities your organization uses [SATA]	Other
Q23b2.a	Indicate which backup capabilities and practices your organization uses [SATA]	Manual backups
Q23b2.b	Indicate which backup capabilities and practices your organization uses [SATA]	Automated backups

Q23b2.c	Indicate which backup capabilities and practices your organization uses [SATA]	Offline backups
Q23b2.d	Indicate which backup capabilities and practices your organization uses [SATA]	Frequent training on backups
Q23b2.e	Indicate which backup capabilities and practices your organization uses [SATA]	Exercises on restoring from backups
Q23b2.f	Indicate which backup capabilities and practices your organization uses [SATA]	Other
Q23c.a	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Advanced Malware Analysis Center (AMAC) Services
Q23c.b	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Assessment Evaluation and Standardization Program (AES)
Q23c.c	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	CISA Central
Q23c.d	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Cyber Essentials
Q23c.e	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Cyber Infrastructure Survey
Q23c.f	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Cyber Resiliency Review (CRR)
Q23c.g	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Cybersecurity Advisory (CSA) Program
Q23c.h	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Cybersecurity Assessment and Risk Management Approach
Q23c.i	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Cybersecurity Evaluation Tool (CSET®)
Q23c.j	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Continuous Diagnostics and Mitigation (CDM)
Q23c.k	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Enhanced Cybersecurity Services (ECS)
Q23c.l	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	External Dependencies Management (EDM) Assessment
Q23c.m	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Federal Virtual Training Environment (FedVTE)
Q23c.n	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Hunt and Incident Response Team (HIRT) Services
Q23c.o	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	ICTAP 9-1-1/PSAP/LMR Cyber Assessment

Q23c.p	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	ICTAP 9-1-1/PSAP/LMR Cyber Awareness Course
Q23c.q	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Joint Cyber Defense Collaborative (JCDC)
Q23c.r	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Public Safety Communications and Cyber Resiliency Toolkit
Q23c.s	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Remote Penetration Testing (RPT)
Q23c.t	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Vulnerability/cyber hygiene scanning
Q23c.u	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	Web Application Scanning
Q23c.v	Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation [SATA]	None of the above
Q24.a	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Agency's own IT resources
Q24.b	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Parent organization or agency's IT resources
Q24.c	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	IT cybersecurity vendor
Q24.d	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Organizations with interconnected networks (e.g., equipment vendors, partner agencies)
Q24.e	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Cybersecurity and Infrastructure Security Agency (CISA) (e.g., CISA Central, Automated Indicator Sharing [AIS])
Q24.f	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Federal Bureau of Investigation (FBI) (e.g., field offices, Internet Crime Complaint Center [IC3], InfraGard)
Q24.g	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Multi-State Information Sharing and Analysis Center (MS-ISAC)®
Q24.h	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	United States Secret Service
Q24.i	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Tribal-based support
Q24.j	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Region-based support
Q24.k	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	State-based support (e.g., National Guard, fusion center, state-sponsored cyber unit)
Q24.l	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Local-based support
Q24.m	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	Other
Q24.n	In the event of a cyber incident, which entities are alerted or engaged by your organization? [SATA]	None of the above
Q25.a	Indicate the types of cyber attacks that your organization has experienced [SATA]	Phishing/email spoofing attack
Q25.b	Indicate the types of cyber attacks that your organization has experienced [SATA]	Ransomware attack

Q25.c	Indicate the types of cyber attacks that your organization has experienced [SATA]	Password or credential attack (i.e., unauthorized use of password or credential)
Q25.d	Indicate the types of cyber attacks that your organization has experienced [SATA]	Denial of service attack
Q25.e	Indicate the types of cyber attacks that your organization has experienced [SATA]	Telephony denial of service (TDoS) attack
Q25.f	Indicate the types of cyber attacks that your organization has experienced [SATA]	Jamming
Q25.g	Indicate the types of cyber attacks that your organization has experienced [SATA]	Domain name service (DNS) tunneling attack
Q25.h	Indicate the types of cyber attacks that your organization has experienced [SATA]	Doxing attack (i.e., data access with information threatened to be sold or revealed)
Q25.i	Indicate the types of cyber attacks that your organization has experienced [SATA]	Other malware (e.g., viruses, trojans)
Q25.j	Indicate the types of cyber attacks that your organization has experienced [SATA]	Internet of Things-based attack (i.e., attacker entered network through “smart” devices or systems)
Q25.k	Indicate the types of cyber attacks that your organization has experienced [SATA]	Other types of attack (e.g., SQL injection, cross-scripting, eavesdropping)
Q25.l	Indicate the types of cyber attacks that your organization has experienced [SATA]	Attacks of an unknown type
Q25.m	Indicate the types of cyber attacks that your organization has experienced [SATA]	Our organization has not identified any cyber attacks
Q26	Complete this sentence: “Our organization is _____ in our ability to detect and respond to cybersecurity threats and vulnerabilities.” [SOR]	<ul style="list-style-type: none"> >Not confident >Somewhat confident >Confident >Very confident
Q27	Complete this sentence: “Since 2018, cybersecurity incidents have had _____ on the ability of our organization to communicate.” [SOR]	<ul style="list-style-type: none"> >Severe impact >Some impact >Minimal impact >No impact
Q28_1	Select the response that best characterizes your organization’s physical security for facilities . [SOR] Note: Reading from left to right, responses are progressive (i.e., to select the third response, an organization must have surpassed both of the first two response criteria)	<ul style="list-style-type: none"> >Physical security is present only as a consequence of other requirements (e.g., building codes, zoning requirements, architectural recommendations/guidance, SOPs/SOGs) and what may be found in a similar commercial building or facility >Solution sets designed and implemented for the intended occupancy, purpose, and use of the building/facility >Mitigation, response, and recovery procedures identified through formal risk assessment(s) are regularly trained and exercised, incorporating the physical security
Q28_2	Select the response that best characterizes your organization’s physical security for communications infrastructure . [SOR] Note: Reading from left to right, responses are progressive (i.e., to select the third response, an organization must have surpassed both of the first two response criteria)	<ul style="list-style-type: none"> >Physical security is present only as a consequence of other requirements (e.g., building codes, zoning requirements, architectural recommendations/guidance, SOPs/SOGs) and what may be found in a similar commercial building or facility >Solution sets designed and implemented for the intended occupancy, purpose, and use of the building/facility >Mitigation, response, and recovery procedures identified through formal risk assessment(s) are regularly trained and exercised, incorporating the physical security

Q29	Select the response that best characterizes your organization's emergency communications training [SOR]	<ul style="list-style-type: none"> >No personnel have received training >Personnel have received at most informal training >Some personnel have received formal training >Substantially all personnel have received formal and regular training
Q29a	Evaluations of training are documented and assessed along with the changing operational environment to adapt future training to address gaps and needs [SOR]	<ul style="list-style-type: none"> >Yes >No
Q29b.a	Select the topics that are included in your organization's emergency communications training [SATA]	National Incident Management System (NIMS) Incident Command System (ICS)
Q29b.b	Select the topics that are included in your organization's emergency communications training [SATA]	Software training/refresher
Q29b.c	Select the topics that are included in your organization's emergency communications training [SATA]	Communications Unit (COMU)
Q29b.d	Select the topics that are included in your organization's emergency communications training [SATA]	Commonly used frequencies
Q29b.e	Select the topics that are included in your organization's emergency communications training [SATA]	Frequency jamming detection/location
Q29b.f	Select the topics that are included in your organization's emergency communications training [SATA]	Equipment training/refresher
Q29b.g	Select the topics that are included in your organization's emergency communications training [SATA]	Backup systems
Q29b.h	Select the topics that are included in your organization's emergency communications training [SATA]	Cybersecurity
Q29b.i	Select the topics that are included in your organization's emergency communications training [SATA]	Radio/device encryption
Q29b.j	Select the topics that are included in your organization's emergency communications training [SATA]	Radio etiquette and terminology
Q29b.k	Select the topics that are included in your organization's emergency communications training [SATA]	National Interoperability Field Operations Guide (NIFOG)
Q29b.l	Select the topics that are included in your organization's emergency communications training [SATA]	Continuity procedures
Q29b.m	Select the topics that are included in your organization's emergency communications training [SATA]	Health and wellness (e.g., ergonomics, fatigue)
Q29b.n	Select the topics that are included in your organization's emergency communications training [SATA]	Psychological impacts of video and data use (e.g., overload, consumption of disturbing/graphic images)
Q29b.o	Select the topics that are included in your organization's emergency communications training [SATA]	Interoperability plans and practices specific to our organization

Q29b.p	Select the topics that are included in your organization's emergency communications training [SATA]	Priority Telecommunications Services
Q29b.q	Select the topics that are included in your organization's emergency communications training [SATA]	None of the above
Q29c.a	Select the external groups that are included in your organization's emergency communications training [SATA]	Other public safety organizations in the same jurisdiction
Q29c.b	Select the external groups that are included in your organization's emergency communications training [SATA]	Other government organizations in the same jurisdiction that support public safety
Q29c.c	Select the external groups that are included in your organization's emergency communications training [SATA]	Local governments
Q29c.d	Select the external groups that are included in your organization's emergency communications training [SATA]	State/territorial governments
Q29c.e	Select the external groups that are included in your organization's emergency communications training [SATA]	Federal departments/agencies
Q29c.f	Select the external groups that are included in your organization's emergency communications training [SATA]	Tribal governments/organizations
Q29c.g	Select the external groups that are included in your organization's emergency communications training [SATA]	NGO/private sector
Q29c.h	Select the external groups that are included in your organization's emergency communications training [SATA]	International/cross-border entities
Q29c.i	Select the external groups that are included in your organization's emergency communications training [SATA]	None of the above
Q30_1.1	Are your organization's personnel adequately trained in day-to-day operability ? [SOR]	>Yes >No
Q30_1.2	Are your organization's personnel adequately trained in out-of-the-ordinary operability ? [SOR]	>Yes >No
Q30_2.1	Are your organization's personnel adequately trained in day-to-day interoperability ? [SOR]	>Yes >No
Q30_2.2	Are your organization's personnel adequately trained in out-of-the-ordinary interoperability ? [SOR]	>Yes >No
Q30_3.1	Are your organization's personnel adequately trained in day-to-day continuity ? [SOR]	>Yes >No
Q30_3.2	Are your organization's personnel adequately trained in out-of-the-ordinary continuity ? [SOR]	>Yes >No
Q31	Does your organization participate in or conduct exercises? [SOR]	>Yes >No
Q31a.a	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Communications operability (voice)
Q31a.b	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Communications operability (data)

Q31a.c	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Communications interoperability (voice)
Q31a.d	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Communications interoperability (data)
Q31a.e	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Communications continuity (voice)
Q31a.f	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Communications continuity (data)
Q31a.g	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Cyber incident response and recovery
Q31a.h	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Radio/device encrypted interoperability
Q31a.i	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	Social media
Q31a.j	Select the types of capabilities included as part of the exercises in which your organization either participates or conducts [SATA]	None of the above
Q31b.a	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	Auxiliary Communications (AUXCOMM)
Q31b.b	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	Incident Tactical Dispatch (INTD)
Q31b.c	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	Communications Unit Leader (COML)
Q31b.d	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	Communications Unit Technician (COMT)
Q31b.e	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	Communications Coordinator (COMC)
Q31b.f	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	IT Service Unit Leader (ITSL)
Q31b.g	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	Mobile command post/mobile communications center
Q31b.h	Select the types of roles included as part of the exercises in which your organization either participates or conducts [SATA]	None of the above

Q31c	Select the statement that best characterizes how your organization evaluates communications as an exercise objective [SOR]	<ul style="list-style-type: none"> >Communications is not an exercise objective >Communications is not evaluated >Communications is evaluated but not documented >Communications is evaluated and documented >Communications is evaluated and documented in accordance with the Homeland Security Exercise Evaluation Program (HSEEP)
Q31d.a	My organization does not participate in exercises because it has [SATA]	No personnel for exercise coordination
Q31d.b	My organization does not participate in exercises because it has [SATA]	Chronically low staffing levels
Q31d.c	My organization does not participate in exercises because it has [SATA]	No funding available to participate in exercises sponsored by other organizations
Q31d.d	My organization does not participate in exercises because it has [SATA]	No funding available to backfill personnel attending exercises
Q31d.e	My organization does not participate in exercises because it has [SATA]	Insufficient overtime funding to allow staff to participate in exercises conducted by my organization
Q31d.f	My organization does not participate in exercises because it has [SATA]	Insufficient overtime funding to allow staff to participate in exercises conducted by other organizations
Q31d.g	My organization does not participate in exercises because it has [SATA]	Limited exercises opportunities
Q31d.h	My organization does not participate in exercises because it has [SATA]	Competing organizational priorities
Q31d.i	My organization does not participate in exercises because it has [SATA]	None of the above
Q32	Complete this sentence: "My organization _____ emergency communications-focused exercises." [SOR]	<ul style="list-style-type: none"> >Does not participate in or conduct >Participates in >Conducts >Participates in and conducts
Q32a.a	Select the types of emergency communications-focused exercises your organization participates in or conducts [SATA]	Simulations
Q32a.b	Select the types of emergency communications-focused exercises your organization participates in or conducts [SATA]	Equipment tests and/or drills
Q32a.c	Select the types of emergency communications-focused exercises your organization participates in or conducts [SATA]	Seminars/workshops
Q32a.d	Select the types of emergency communications-focused exercises your organization participates in or conducts [SATA]	Tabletops
Q32a.e	Select the types of emergency communications-focused exercises your organization participates in or conducts [SATA]	Functional
Q32a.f	Select the types of emergency communications-focused exercises your organization participates in or conducts [SATA]	Full-scale
Q32b.a	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	Other public safety organizations in the same jurisdiction
Q32b.b	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	Other government organizations in the same jurisdiction that support public safety

Q32b.c	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	Local governments
Q32b.d	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	State/territorial governments
Q32b.e	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	Federal departments/agencies
Q32b.f	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	Tribal governments/organizations
Q32b.g	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	NGO/private sector
Q32b.h	The emergency communications-focused simulations our organization participates in or conducts include [SATA]	International/cross-border entities
Q32c.a	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	Other public safety organizations in the same jurisdiction
Q32c.b	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	Other government organizations in the same jurisdiction that support public safety
Q32c.c	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	Local governments
Q32c.d	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	State/territorial governments
Q32c.e	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	Federal departments/agencies
Q32c.f	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	Tribal governments/organizations
Q32c.g	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	NGO/private sector
Q32c.h	The emergency communications-focused equipment tests and/or drills our organization participates in or conducts include [SATA]	International/cross-border entities
Q32d.a	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	Other public safety organizations in the same jurisdiction
Q32d.b	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	Other government organizations in the same jurisdiction that support public safety
Q32d.c	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	Local governments
Q32d.d	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	State/territorial governments

Q32d.e	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	Federal departments/agencies
Q32d.f	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	Tribal governments/organizations
Q32d.g	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	NGO/private sector
Q32d.h	The emergency communications-focused seminars/workshops our organization participates in or conducts include [SATA]	International/cross-border entities
Q32e.a	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	Other public safety organizations in the same jurisdiction
Q32e.b	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	Other government organizations in the same jurisdiction that support public safety
Q32e.c	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	Local governments
Q32e.d	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	State/territorial governments
Q32e.e	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	Federal departments/agencies
Q32e.f	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	Tribal governments/organizations
Q32e.g	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	NGO/private sector
Q32e.h	The emergency communications-focused tabletops our organization participates in or conducts include [SATA]	International/cross-border entities
Q32f.a	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	Other public safety organizations in the same jurisdiction
Q32f.b	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	Other government organizations in the same jurisdiction that support public safety
Q32f.c	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	Local governments
Q32f.d	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	State/territorial governments
Q32f.e	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	Federal departments/agencies
Q32f.f	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	Tribal governments/organizations

Q32f.g	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	NGO/private sector
Q32f.h	The emergency communications-focused functional exercises our organization participates in or conducts include [SATA]	International/cross-border entities
Q32g.a	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	Other public safety organizations in the same jurisdiction
Q32g.b	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	Other government organizations in the same jurisdiction that support public safety
Q32g.c	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	Local governments
Q32g.d	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	State/territorial governments
Q32g.e	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	Federal departments/agencies
Q32g.f	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	Tribal governments/organizations
Q32g.g	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	NGO/private sector
Q32g.h	The emergency communications-focused full-scale exercises our organization participates in or conducts include [SATA]	International/cross-border entities
Q33_1.1	Have exercises adequately prepared your organization's personnel to achieve day-to-day operability ? [SOR]	>Yes >No
Q33_1.2	Have exercises adequately prepared your organization's personnel to achieve out-of-the-ordinary operability ? [SOR]	>Yes >No
Q33_2.1	Have exercises adequately prepared your organization's personnel to achieve day-to-day interoperability ? [SOR]	>Yes >No
Q33_2.2	Have exercises adequately prepared your organization's personnel to achieve out-of-the-ordinary interoperability ? [SOR]	>Yes >No
Q33_3.1	Have exercises adequately prepared your organization's personnel to achieve day-to-day continuity ? [SOR]	>Yes >No
Q33_3.2	Have exercises adequately prepared your organization's personnel to achieve out-of-the-ordinary continuity ? [SOR]	>Yes >No
Q34_1.a	Select the ways in which your organization's primary voice capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_1.b	Select the ways in which your organization's primary voice capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_1.c	Select the ways in which your organization's primary voice capability is tested (or regularly used) [SATA]	With personnel beyond our organization

Q34_1.d	Select the ways in which your organization's primary voice capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_1.e	Select the ways in which your organization's primary voice capability is tested (or regularly used) [SATA]	My organization does not have this capability
Q34_2.a	Select the ways in which your organization's primary data capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_2.b	Select the ways in which your organization's primary data capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_2.c	Select the ways in which your organization's primary data capability is tested (or regularly used) [SATA]	With personnel beyond our organization
Q34_2.d	Select the ways in which your organization's primary data capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_2.e	Select the ways in which your organization's primary data capability is tested (or regularly used) [SATA]	My organization does not have this capability
Q34_3.a	Select the ways in which your organization's voice interoperability capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_3.b	Select the ways in which your organization's voice interoperability capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_3.c	Select the ways in which your organization's voice interoperability capability is tested (or regularly used) [SATA]	With personnel beyond our organization
Q34_3.d	Select the ways in which your organization's voice interoperability capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_3.e	Select the ways in which your organization's voice interoperability capability is tested (or regularly used) [SATA]	My organization does not have this capability
Q34_4.a	Select the ways in which your organization's data interoperability capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_4.b	Select the ways in which your organization's data interoperability capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_4.c	Select the ways in which your organization's data interoperability capability is tested (or regularly used) [SATA]	With personnel beyond our organization
Q34_4.d	Select the ways in which your organization's data interoperability capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_4.e	Select the ways in which your organization's data interoperability capability is tested (or regularly used) [SATA]	My organization does not have this capability
Q34_5.a	Select the ways in which your organization's backup voice capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_5.b	Select the ways in which your organization's backup voice capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_5.c	Select the ways in which your organization's backup voice capability is tested (or regularly used) [SATA]	With personnel beyond our organization
Q34_5.d	Select the ways in which your organization's backup voice capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_5.e	Select the ways in which your organization's backup voice capability is tested (or regularly used) [SATA]	My organization does not have this capability

Q34_6.a	Select the ways in which your organization's backup data capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_6.b	Select the ways in which your organization's backup data capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_6.c	Select the ways in which your organization's backup data capability is tested (or regularly used) [SATA]	With personnel beyond our organization
Q34_6.d	Select the ways in which your organization's backup data capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_6.e	Select the ways in which your organization's backup data capability is tested (or regularly used) [SATA]	My organization does not have this capability
Q34_7.a	Select the ways in which your organization's alerts and warnings capability is tested (or regularly used) [SATA]	For day-to-day situations
Q34_7.b	Select the ways in which your organization's alerts and warnings capability is tested (or regularly used) [SATA]	For out-of-the-ordinary situations
Q34_7.c	Select the ways in which your organization's alerts and warnings capability is tested (or regularly used) [SATA]	With personnel beyond our organization
Q34_7.d	Select the ways in which your organization's alerts and warnings capability is tested (or regularly used) [SATA]	In accordance with SOPs/SOGs
Q34_7.e	Select the ways in which your organization's alerts and warnings capability is tested (or regularly used) [SATA]	My organization does not have this capability
Q37_1	Select the response that best characterize the capacity of your organization's primary voice resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource
Q37_2	Select the response that best characterize the capacity of your organization's primary data resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource
Q37_3	Select the response that best characterize the capacity of your organization's voice interoperability resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource

Q37_4	Select the response that best characterize the capacity of your organization's data interoperability resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource
Q37_5	Select the response that best characterize the capacity of your organization's backup voice resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource
Q37_6	Select the response that best characterize the capacity of your organization's backup data resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource
Q37_7	Select the response that best characterize the capacity of your organization's alerts and warnings resource [SOR]	<ul style="list-style-type: none"> >Insufficient for day-to-day situations >Sufficient for day-to-day situations but not for out-of-the-ordinary situations >Sufficient for day-to-day situations and most out-of-the-ordinary situations >Sufficient for almost all situations, including those requiring resources beyond our organization >Our organization does not have this resource
Q38_1	Select the responses that best characterize how often your organization uses or deploys interoperable voice solutions [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q38_2	Select the responses that best characterize how often your organization uses or deploys interoperable data solutions [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q38_3	Select the responses that best characterize how often your organization uses or deploys a Communications Unit Leader (COML) [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily

Q38_4	Select the responses that best characterize how often your organization uses or deploys a Communications Unit Technician (COMT) [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q38_5	Select the responses that best characterize how often your organization uses or deploys IT Service Unit Leader (ITSL) [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q38_6	Select the responses that best characterize how often your organization uses or deploys Incident Tactical Dispatcher (INTD) [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q38_7	Select the responses that best characterize how often your organization uses or deploys Auxiliary Communications (AUXCOMM) Operator (e.g., Amateur Radio Operator, Auxiliary Communications Operator) [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q38_8	Select the responses that best characterize how often your organization uses or deploys Incident Communications Manager (INCM) [SOR]	<ul style="list-style-type: none"> >Never >As needed >Semi-annually >Quarterly >Monthly >Daily
Q39_1.1	Are your organization's end users proficient in using emergency communications capabilities to achieve day-to-day operability ? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q39_1.2	Are your organization's end users proficient in using emergency communications capabilities to achieve out-of-the-ordinary operability ? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q39_2.1	Are your organization's end users proficient in using emergency communications capabilities to achieve day-to-day interoperability ? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q39_2.2	Are your organization's end users proficient in using emergency communications capabilities to achieve out-of-the-ordinary interoperability ? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q39_3.1	Are your organization's end users proficient in using emergency communications capabilities to achieve day-to-day continuity? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q39_3.2	Are your organization's end users proficient in using emergency communications capabilities to achieve out-of-the-ordinary continuity? [SOR]	<ul style="list-style-type: none"> >Yes >No
Q40.a	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Land Mobile Radio (LMR) system

Q40.b	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	4G/Long-Term Evolution (LTE) system
Q40.c	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	5G system
Q40.d	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Satellite system
Q40.e	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	High Frequency (HF) Radio (Auxiliary Communications [AUXCOMM]/SHARED RESOURCES [SHARES]/FEMA National Radio System [FNARS])
Q40.f	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Paging system
Q40.g	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	WiFi
Q40.h	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Legacy cellular system (2nd Generation/3rd Generation)
Q40.i	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Wireline/landline (e.g., fiber, copper, cable, optical)
Q40.j	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Microwave backhaul
Q40.k	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	911 telephony (e.g., basic, enhanced, Next Generation 911 [NG911])
Q40.l	Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based [SATA]	Ad-hoc networks (e.g., wireless mesh network, MANET, personal area networks, wide-area networks)
Q40a01.a	The primary LMR system used by my organization is [SATA]	Used for voice
Q40a01.b	The primary LMR system used by my organization is [SATA]	Used for video
Q40a01.c	The primary LMR system used by my organization is [SATA]	Used for data
Q40a01.d	The primary LMR system used by my organization is [SATA]	Used for voice interoperability
Q40a01.e	The primary LMR system used by my organization is [SATA]	Used for data interoperability

Q40a02.a	The primary LMR system used by my organization supports [SATA]	Day-to-day situations with intervention
Q40a02.b	The primary LMR system used by my organization supports [SATA]	Day-to-day situations without intervention
Q40a02.c	The primary LMR system used by my organization supports [SATA]	Out-of-the-ordinary situations with intervention
Q40a02.d	The primary LMR system used by my organization supports [SATA]	Out-of-the-ordinary situations without intervention
Q40a03	The primary LMR system used by my organization is [SOR]	<ul style="list-style-type: none"> >Independently owned and operated (e.g., single jurisdiction system) and used exclusively by our organization >Part of a communications system that serves multiple public safety and/or public service organizations in our jurisdiction >Part of a multi-jurisdictional shared system >Part of a statewide shared system >A commercial, subscription-based service
Q40a04	The primary LMR system used by my organization is [SOR]	<ul style="list-style-type: none"> >0-1 year old >2-5 years old >6-10 years old >Over 10 years old
Q40a05	The primary LMR system used by my organization is planned to be replaced or significantly upgraded [SOR]	<ul style="list-style-type: none"> >Within 1 year >Within 5 years >Within 6-10 years >In more than 10 years
Q40a06	Select the response that best characterizes the network architecture of your organization's primary LMR system [SOR]	<ul style="list-style-type: none"> >Conventional (not trunked) >Trunked >Both
Q40a07	Does your organization's primary LMR system comply with Project 25 (P25) standards (i.e., a P25-compliant system) [SOR]	<ul style="list-style-type: none"> >Yes, Phase 1 (frequency division multiple access [FDMA] only) system >Yes, Phase 2 (time division multiple access [TDMA] only) system >Yes, both Phase 1 and 2 (FDMA and TDMA) >No
Q40a08	Is the primary LMR system used by your organization interoperable with the 4G/long-term evolution (LTE) system used by your organization?	<ul style="list-style-type: none"> >Yes >No >My organization does not use LTE
Q40a09	My organization's LTE/LMR system interoperability is enabled by [SOR]	<ul style="list-style-type: none"> >P25 standards-based Inter-RF Subsystem Interface (ISSI)/Console Subsystem Interface (CSSI) >Applications-based solution >Proprietary interworking function >Interworking Function (IWF)
Q40a10.a	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	Proprietary/non-standard
Q40a10.b	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	Proprietary/non-standard transitioning to advanced encryption standard (AES)
Q40a10.c	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	Data encryption standard (DES) (including all derivatives)
Q40a10.d	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	DES transitioning to AES

Q40a10.e	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	AES
Q40a10.f	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	AES actively expanding the number of encrypted talkgroups and/or channels
Q40a10.g	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	Link layer authentication (LLA) (Applies to Trunked Systems Only)
Q40a10.h	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	Over-the-air rekeying (OTAR)
Q40a10.i	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	Procuring multikey subscriber devices
Q40a10.j	Select the responses that best characterize the current state of your organization's LMR encryption capabilities [SATA]	None
Q40b1.a	The 4G/LTE system used by my organization is [SATA]	Used for voice
Q40b1.b	The 4G/LTE system used by my organization is [SATA]	Used for video
Q40b1.c	The 4G/LTE system used by my organization is [SATA]	Used for data
Q40b1.d	The 4G/LTE system used by my organization is [SATA]	Used for voice interoperability
Q40b1.e	The 4G/LTE system used by my organization is [SATA]	Used for data interoperability
Q40b2	The 4G/LTE system used by my organization is [SOR]	<ul style="list-style-type: none"> >Independently owned and operated (e.g., single jurisdiction system) and used exclusively by our organization >Part of a communications system that serves multiple public safety and/or public service organizations in our jurisdiction >Part of a multi-jurisdictional shared system >Part of a statewide shared system >A commercial, subscription-based service
Q40c1.a	The 5G system used by my organization is [SATA]	Used for voice
Q40c1.b	The 5G system used by my organization is [SATA]	Used for video
Q40c1.c	The 5G system used by my organization is [SATA]	Used for data
Q40c1.d	The 5G system used by my organization is [SATA]	Used for voice interoperability
Q40c1.e	The 5G system used by my organization is [SATA]	Used for data interoperability
Q40c2	The 5G system used by my organization is [SOR]	<ul style="list-style-type: none"> >Independently owned and operated (e.g., single jurisdiction system) and used exclusively by our organization >Part of a communications system that serves multiple public safety and/or public service organizations in our jurisdiction >Part of a multi-jurisdictional shared system >Part of a statewide shared system >A commercial, subscription-based service
Q40d1	The HF radio system used by my organization is [SOR]	<ul style="list-style-type: none"> >0-1 year old >2-5 years old >6-10 years old >Over 10 years old

Q40d2	The HF radio system used by my organization is planned to be replaced or significantly upgraded [SOR]	>Within 1 year >Within 5 years >Within 6-10 years >In more than 10 years
Q40e1	The 911 telephony system used by my organization is [SOR]	>0-1 year old >2-5 years old >6-10 years old >Over 10 years old
Q40e2	The 911 telephony system used by my organization is planned to be replaced or significantly upgraded [SOR]	>Within 1 year >Within 5 years >Within 6-10 years >In more than 10 years
Q40e3.a	The 911 telephony system used by my organization accepts [SATA]	>Voice
Q40e3.b	The 911 telephony system used by my organization accepts [SATA]	>Texts
Q40e3.c	The 911 telephony system used by my organization accepts [SATA]	>Video
Q40e3.d	The 911 telephony system used by my organization accepts [SATA]	>Other data
Q40e4.a	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	Basic
Q40e4.b	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	Transitioning to E911
Q40e4.c	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	E911
Q40e4.d	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	Transitioning to Next Generation 911 (NG911)
Q40e4.e	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	NG911: Emergency Services IP Network (ESInet) ready to receive 911 calls from the originating service providers via a Legacy Network Gateway
Q40e4.f	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	NG911: ESInet ready to receive 911 calls in SIP (Session Initiation Protocol) format
Q40e4.g	Select the responses that best characterize the current state of your organization's 911 architecture [SATA]	NG911: ESInet ready to receive 911 calls in NG911 format
Q41.a	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Datacasting (i.e., broadcast TV-based alerts and warnings)
Q41.b	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Internet of Things devices (e.g., smart clothing, smartphones, smart watches)
Q41.c	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Unmanned aerial systems (e.g., drones)

Q41.d	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Mission critical push-to-talk applications
Q41.e	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Cloud computing
Q41.f	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Artificial intelligence
Q41.i	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Citizens Broadband Radio Service (CBRS)-based system
Q41.j	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	Third-party texting/chat applications
Q41.k	Select the responses that indicate the capabilities your organization currently uses, regardless of whether the capability is owned, shared, or subscription-based [SATA]	None of the above
Q42_1.a	Select the responses that best describe your organization's use of the Integrated Public Alerts & Warning System (IPAWS) [SATA]	My organization originates messages using this system
Q42_1.b	Select the responses that best describe your organization's use of the Integrated Public Alerts & Warning System (IPAWS) [SATA]	My organization responds to messages on this system originated by another organization
Q42_1.c	Select the responses that best describe your organization's use of the Integrated Public Alerts & Warning System (IPAWS) [SATA]	My organization neither originates nor responds to messages using this system
Q42_2.a	Select the responses that best describe your organization's use of the Emergency Alert System (EAS) [SATA]	My organization originates messages using this system
Q42_2.b	Select the responses that best describe your organization's use of the Emergency Alert System (EAS) [SATA]	My organization responds to messages on this system originated by another organization
Q42_2.c	Select the responses that best describe your organization's use of the Emergency Alert System (EAS) [SATA]	My organization neither originates nor responds to messages using this system
Q42_3.a	Select the responses that best describe your organization's use of Wireless Emergency Alerts (WEA) [SATA]	My organization originates messages using this system
Q42_3.b	Select the responses that best describe your organization's use of Wireless Emergency Alerts (WEA) [SATA]	My organization responds to messages on this system originated by another organization
Q42_3.c	Select the responses that best describe your organization's use of Wireless Emergency Alerts (WEA) [SATA]	My organization neither originates nor responds to messages using this system

Q42_4.a	Select the responses that best describe your organization's use of the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NWS) [SATA]	My organization originates messages using this system
Q42_4.b	Select the responses that best describe your organization's use of the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NWS) [SATA]	My organization responds to messages on this system originated by another organization
Q42_4.c	Select the responses that best describe your organization's use of the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NWS) [SATA]	My organization neither originates nor responds to messages using this system
Q42_5.a	Select the responses that best describe your organization's use of regional, state, local, tribal, and/or territorial alert, warning, and notification systems (e.g., reverse 911 systems, outdoor sirens, digital signs, short message service/mass email) [SATA]	My organization originates messages using this system
Q42_5.b	Select the responses that best describe your organization's use of regional, state, local, tribal, and/or territorial alert, warning, and notification systems (e.g., reverse 911 systems, outdoor sirens, digital signs, short message service/mass email) [SATA]	My organization responds to messages on this system originated by another organization
Q42_5.c	Select the responses that best describe your organization's use of regional, state, local, tribal, and/or territorial alert, warning, and notification systems (e.g., reverse 911 systems, outdoor sirens, digital signs, short message service/mass email) [SATA]	My organization neither originates nor responds to messages using this system
Q42_6.a	Select the responses that best describe your organization's use of sensor-based alert systems (e.g., gunshot detection, flooding, earthquake, hurricane, volcano) [SATA]	My organization originates messages using this system
Q42_6.b	Select the responses that best describe your organization's use of sensor-based alert systems (e.g., gunshot detection, flooding, earthquake, hurricane, volcano) [SATA]	My organization responds to messages on this system originated by another organization
Q42_6.c	Select the responses that best describe your organization's use of sensor-based alert systems (e.g., gunshot detection, flooding, earthquake, hurricane, volcano) [SATA]	My organization neither originates nor responds to messages using this system
Q44.a	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Expanded/implemented remote work and telework options
Q44.b	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Expanded or opened backup facilities
Q44.c	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Established communications redundancy with neighboring jurisdictions
Q44.d	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Created non-emergency lines or hotlines to help divert COVID-19 related calls from 911 services

Q44.e	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Implemented operational changes based on federal, state, and/or local guidance
Q44.f	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Drafted new policies and procedures related to pandemic planning and response
Q44.g	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Updated existing policies and procedures related to pandemic planning and response
Q44.h	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Diverted funds to cover pandemic-related expenses (e.g., personal protective equipment, cleaning supplies)
Q44.i	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Adjusted budgets due to decreased funding from state and local revenues
Q44.j	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Delayed systems/network construction, maintenance, and/or upgrade projects
Q44.k	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Established/maintained communications capabilities for alternate care sites
Q44.l	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Increased cybersecurity posture and promoted cyber hygiene practices
Q44.m	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Ceased operations temporarily
Q44.n	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	Experienced staffing below established minimum levels
Q44.o	My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic [SATA]	None of the above
Q45_1.1	Between 2018 and present, what was your organization's level of improvement in strengthening day-to-day operability ? [SOR]	>Regressed >None >Some >Significant
Q45_1.2	Between 2018 and present, what was your organization's level of improvement in strengthening out-of-the-ordinary operability ? [SOR]	>Regressed >None >Some >Significant
Q45_2.1	Between 2018 and present, what was your organization's level of improvement in strengthening day-to-day interoperability ? [SOR]	>Regressed >None >Some >Significant
Q45_2.2	Between 2018 and present, what was your organization's level of improvement in strengthening out-of-the-ordinary interoperability ? [SOR]	>Regressed >None >Some >Significant
Q45_3.1	Between 2018 and present, what was your organization's level of improvement in strengthening day-to-day continuity ? [SOR]	>Regressed >None >Some >Significant

Q45_3.2	Between 2018 and present, what was your organization's level of improvement in strengthening out-of-the-ordinary continuity ? [SOR]	>Regressed >None >Some >Significant
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Acronym Glossary. The table below defines acronyms used in this resource.

Acronym	
AES	[encryption] Advanced Encryption Standard
AES	[cybersecurity resource] Assessment Evaluation and Standardization
AIS	Automated Indicator Sharing
AMAC	Advanced Malware Analysis Center
AUXCOM	Auxiliary Communication Operator
AUXCOMM	Auxiliary Communications
AV	Antivirus
AVL	Automatic Vehicle Location
AWN	Alerts, Warnings, and Notifications
CAD	Computer Aided Dispatch
CBRS	Citizens Broadband Radio Service
CDM	Continuous Diagnostics and Mitigation
CISA	Cybersecurity and Infrastructure Security Agency
COLT	Cell on Light Truck
COMC	Communications Coordinator
COML	Communications Unit Leader
COMT	Communications Unit Technician
COMU	Communications Unit
COW	Cell on Wheels
CRR	Cyber Resiliency Review
CSA	Cybersecurity Advisory
CSET	Cybersecurity Evaluation Tool
CSSI	Console Subsystem Interface
CTI	Cyber Threat Intelligence
DES	Data Encryption Standard
DHS	Department of Homeland Security
DLP	Data Loss Prevention
DNS	Domain Name Service
DoS	Denial of Service
E911	Enhanced 911
EAS	Emergency Alert System
ECC	Emergency Communications Center
ECS	Enhanced Cybersecurity Services
EDM	External Dependencies Management
EDR	Endpoint Detection and Response
EM	Emergency Management
EMS	Emergency Medical Services
ESF	Emergency Support Function
ESInet	Emergency Services IP Network
FBI	Federal Bureau of Investigation

FDMA	Frequency Division Multiple Access
FedVTE	Federal Virtual Training Environment
FEMA	Federal Emergency Management Agency
FIRE	Fire & Rescue
FNARS	FEMA National Radio System
GIS	Geographic Information System
HF	High Frequency
HIRT	Hunt and Incident Response Team
HSEEP	Homeland Security Exercise Evaluation Program
IC3	Internet Crime Complaint Center
ICS	Incident Command System
ICTAP	Interoperable Communications Technical Assistance Program
IDPS	Intrusion Detection and Prevention Systems
INCM	Incident Communications Manager
INTD	Incident Tactical Dispatch
IoT	Internet-of-Things
IPAWS	Integrated Public Alert and Warning System
IRT	Incident Response Team
ISSI	Inter-Radio Frequency Subsystem Interface
IT	Information Technology
ITSL	Information Technology Services Unit Leader
IWF	Interworking Function
JCDC	Joint Cyber Defense Collaborative
LE	Law Enforcement
LLA	Link Layer Authentication
LMR	Land Mobile Radio
LTE	Long-Term Evolution
MANET	Mobile ad hoc Network
MCPTT	Mission Critical Push-To-Talk
MS-ISAC	Multi-State Information Sharing and Analysis Center
NG911	Next Generation 911
NGO	Non-Governmental Organization
NIEM	National Information Exchange Model
NIFOG	National Interoperability Field Operations Guide
NIMS	National Incident Management System
NOAA	National Oceanic and Atmospheric Administration
NPSBN	National Public Safety Broadband Network
NPSPAC	National Public Safety Planning Advisory Committee
NWS	National Weather Service
OTAR	Over-the-Air Rekeying
P25	Project 25
PCAP	Packet Capture
PIV	Personal Identification Verification
PNT	Position, Navigation, and Timing
PSAP	Public Safety Answering Point
RF	Radio Frequency
RMS	Records Management System

RPT	Remote Penetration Testing
RUCC	Rural-Urban Continuum Code
SATA	Select All That Apply
SHARES	SHARed RESources
SIEM	Security Information and Event Management
SIP	Session Initiated Protocol
SOG	Standard Operating Guideline
SOP	Standard Operating Procedure
SOR	Selet One Response
SQL	Structured Query Language
TDMA	Time Division Multiple Access
TDoS	Telephony Denial of Service
TSP	Telecommunications Service Priority
USDA	United States Department of Agriculture
WEA	Wireless Emergency Alerts

D02_5) Rural-Urban Continuum Code (RUCC) assignments and definitions given by the U.S. Department of Agriculture (USDA). Within SNS data tables, Metro organizations are defined as those with RUCC 1; Urban are defined as those with RUCC 2-4; and Rural are defined as those with RUCC 5-9. (Synthetic: derived from respondent-provided county.) Note: when respondent-provided county information was not available, RUCC was approximated using respondent-provided ZIP, resulting in the small observed rates of urbanicity inconsistency with RUCC codes caused by ZIP code splits across multiple counties with different RUCCs.

Answer Option	Discipline	All	Rural	Urban	Metro
1: Metro county (or independent city) with population 1 million or more	ALL	0.0064	0.0008	0.0009	0.002
	ECC	0.013	0	0	0.0025
	EM	0.0126	0	0.0022	0.0037
	EMS	0.0112	0.0018	0.0016	0.0036
	FIRE	0.0097	0.002	0	0.0032
	LE	0.0111	0	0.0015	0.0018
2: Metro county with population 250,000 to 1 million	ALL	0.0054	0.0008	0.0116	0.001
	ECC	0.0108	0.0024	0.0236	0
	EM	0.0104	0	0.0233	0
	EMS	0.0095	0.0025	0.0202	0
	FIRE	0.0085	0.002	0.0173	0.0016
	LE	0.0091	0.0018	0.0196	0.0018
3: Metro county with population less than 250,000	ALL	0.0046	0.0008	0.0109	0.0007
	ECC	0.0088	0	0.0219	0
	EM	0.0087	0	0.0217	0
	EMS	0.008	0.0018	0.0189	0.0021
	FIRE	0.0071	0.0014	0.0161	0
	LE	0.0075	0.0018	0.018	0
4: Nonmetro county with population 20,000 or more, adjacent to a metro county	ALL	0.0037	0.0006	0.0092	0
	ECC	0.0069	0.0024	0.0181	0
	EM	0.0071	0	0.0186	0
	EMS	0.0062	0	0.0157	0
	FIRE	0.0056	0	0.0135	0
	LE	0.0064	0	0.016	0
5: Nonmetro county with population 20,000 or more, not adjacent to a metro county	ALL	0.0024	0.0068	0.0005	0
	ECC	0.0043	0.0126	0	0
	EM	0.0051	0.0137	0	0
	EMS	0.0043	0.0123	0	0
	FIRE	0.0038	0.0111	0.0012	0
	LE	0.0031	0.0098	0	0
6: Nonmetro county with population 5,000 to 20,000, adjacent to a metro county	ALL	0.0048	0.0119	0.0015	0.0016
	ECC	0.0092	0.0235	0.0022	0.0025
	EM	0.0093	0.0221	0.0038	0.0037
	EMS	0.0081	0.0203	0.0016	0.0029
	FIRE	0.0072	0.0184	0.0017	0.0028
	LE	0.008	0.0209	0.0027	0
7: Nonmetro county with population 5,000 to 20,000, not adjacent to a metro county	ALL	0.004	0.0107	0.0008	0
	ECC	0.0083	0.0221	0.0022	0
	EM	0.0078	0.0199	0	0
	EMS	0.007	0.0185	0.0016	0

	FIRE	0.0061	0.0167	0.0017	0
	LE	0.0064	0.0184	0	0
	ALL	0.0027	0.0076	0.0008	0
	ECC	0.0051	0.0147	0.0022	0
8: Nonmetro county with population less than 5,000, adjacent to a metro county	EM	0.0056	0.0149	0	0
	EMS	0.0048	0.0135	0.0016	0
	FIRE	0.0037	0.011	0	0
	LE	0.0045	0.0137	0	0
	ALL	0.0033	0.0091	0	0
	ECC	0.0065	0.0185	0	0
9: Nonmetro county with population less than 5,000, not adjacent to a metro county	EM	0.007	0.0183	0	0
	EMS	0.0057	0.0159	0	0
	FIRE	0.0046	0.0134	0	0
	LE	0.0052	0.0155	0	0

D02_6) Organizational urbanicity assignments. (Synthetic: assigned based on organizational RUCC calculated in Q02_5.)

Answer Option	Discipline	All	Rural	Urban	Metro
Metro (RUCC 1)	ALL	0.0064	0	0	0
	ECC	0.013	0	0	0
	EM	0.0126	0	0	0
	EMS	0.0112	0	0	0
	FIRE	0.0097	0	0	0
	LE	0.0111	0	0	0
Urban (RUCC 2-4)	ALL	0.0069	0	0	0
	ECC	0.0134	0	0	0
	EM	0.0132	0	0	0
	EMS	0.0119	0	0	0
	FIRE	0.0105	0	0	0
	LE	0.0115	0	0	0
Rural (RUCC 5-9)	ALL	0.0067	0	0	0
	ECC	0.0132	0	0	0
	EM	0.0133	0	0	0
	EMS	0.0116	0	0	0
	FIRE	0.0101	0	0	0
	LE	0.0111	0	0	0

D04) Select the responses that characterize your organization's public safety discipline: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Emergency Communications Center	ALL	0.0062	0.0106	0.01	0.0119
	ECC	0	0	0	0
	EM	0.0129	0.0214	0.0215	0.0246
	EMS	0.0108	0.0182	0.0176	0.0206
	FIRE	0.0087	0.0156	0.0136	0.0165
	LE	0.0114	0.0206	0.0187	0.0203
Emergency Management	ALL	0.0063	0.011	0.0101	0.0117
	ECC	0.0132	0.0232	0.0218	0.0236
	EM	0	0	0	0
	EMS	0.0113	0.0189	0.018	0.0221
	FIRE	0.0094	0.0164	0.0143	0.0185
	LE	0.0098	0.0184	0.0154	0.0173
Emergency Medical Services	ALL	0.0067	0.0115	0.011	0.0126
	ECC	0.0133	0.0229	0.0223	0.0239
	EM	0.0135	0.0217	0.0224	0.0258
	EMS	0	0	0	0
	FIRE	0.0107	0.0188	0.0172	0.0195
	LE	0.0101	0.0188	0.0164	0.0174
Fire & Rescue	ALL	0.0071	0.0121	0.0116	0.0132
	ECC	0.0134	0.0235	0.0225	0.0237
	EM	0.0137	0.0225	0.0228	0.0258
	EMS	0.0107	0.0198	0.0173	0.0182
	FIRE	0	0	0	0
	LE	0.0104	0.0195	0.017	0.0177
Law Enforcement	ALL	0.0068	0.0115	0.0111	0.013
	ECC	0.014	0.0244	0.0236	0.0251
	EM	0.0126	0.0212	0.0207	0.0239
	EMS	0.0107	0.0187	0.0174	0.0196
	FIRE	0.0088	0.0162	0.0138	0.016
	LE	0	0	0	0

D06) Estimate the number of personnel in your organization: (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
50 or Fewer	ALL	0.0066	0.0082	0.0108	0.0133
	ECC	0.0139	0.0197	0.0234	0.0242
	EM	0.0133	0.0187	0.0222	0.0256
	EMS	0.0118	0.0149	0.0196	0.0226
	FIRE	0.0099	0.0122	0.0159	0.02
	LE	0.0116	0.0171	0.0191	0.021
51 to 250	ALL	0.006	0.0078	0.0098	0.0127
	ECC	0.0128	0.0193	0.0216	0.0245
	EM	0.0117	0.0175	0.0192	0.0242
	EMS	0.0108	0.0139	0.0182	0.0223
	FIRE	0.0092	0.0117	0.0148	0.0197
	LE	0.0106	0.0165	0.0173	0.0203
251 to 500	ALL	0.0026	0.0025	0.0047	0.0061
	ECC	0.0066	0.0024	0.0129	0.0144
	EM	0.006	0.007	0.0112	0.0128
	EMS	0.0048	0.0044	0.0086	0.0108
	FIRE	0.0037	0.0028	0.0065	0.0086
	LE	0.0053	0.004	0.0096	0.0114
501 to 1,000	ALL	0.002	0.0012	0.0034	0.005
	ECC	0.0053	0.0034	0.0095	0.0122
	EM	0.0044	0.003	0.0077	0.0113
	EMS	0.0037	0.0025	0.0065	0.0089
	FIRE	0.003	0.002	0.005	0.0077
	LE	0.0042	0.0036	0.0077	0.0092
1,001 to 5,000	ALL	0.002	0.0012	0.0027	0.0058
	ECC	0.0047	0.0024	0.0062	0.0128
	EM	0.0055	0.003	0.0088	0.0148
	EMS	0.0037	0.0031	0.0051	0.0103
	FIRE	0.0025	0.002	0.0029	0.0074
	LE	0.0039	0.0025	0.0053	0.0104
5,001 to 10,000	ALL	0.0006	0.0006	0.0008	0.0016
	ECC	0.0008	0	0	0.0025
	EM	0.0011	0	0.0022	0.0027
	EMS	0.0012	0.0018	0.0016	0.0029
	FIRE	0	0	0	0
	LE	0.0006	0	0	0.0018
More than 10,000	ALL	0.0006	0.0006	0	0.0021
	ECC	0.0018	0	0	0.0056
	EM	0.002	0.0021	0	0.0065
	EMS	0.001	0	0	0.0036
	FIRE	0.0006	0	0	0.0023
	LE	0.0008	0	0	0.0025

D07) Estimate the population size that your organization serves: (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Fewer than 2,500	ALL	0.0051	0.0105	0.008	0.0059
	ECC	0.0038	0.0082	0.0069	0.0025
	EM	0.0068	0.0145	0.0104	0.0074
	EMS	0.0085	0.0178	0.0134	0.0095
	FIRE	0.0084	0.0177	0.013	0.0094
	LE	0.0084	0.0181	0.0137	0.0098
2,501 to 4,999	ALL	0.0047	0.0091	0.0077	0.0067
	ECC	0.0055	0.0132	0.0069	0.0066
	EM	0.0076	0.0157	0.011	0.011
	EMS	0.0085	0.0169	0.014	0.0117
	FIRE	0.008	0.0154	0.0133	0.0116
	LE	0.0074	0.0155	0.0119	0.0107
5,000 to 9,999	ALL	0.0049	0.0091	0.0076	0.0085
	ECC	0.0081	0.0177	0.0116	0.0117
	EM	0.0086	0.0173	0.0115	0.0144
	EMS	0.0086	0.0159	0.0135	0.0148
	FIRE	0.0077	0.0141	0.0125	0.0137
	LE	0.0082	0.0165	0.0131	0.0131
10,000 to 24,999	ALL	0.0058	0.0102	0.0092	0.0109
	ECC	0.0115	0.0232	0.0168	0.0177
	EM	0.0115	0.0212	0.0181	0.019
	EMS	0.0101	0.0177	0.0162	0.0189
	FIRE	0.0087	0.0139	0.0138	0.0175
	LE	0.0097	0.0174	0.0156	0.0175
25,000 to 249,000	ALL	0.0066	0.0097	0.0111	0.0129
	ECC	0.0141	0.0239	0.023	0.025
	EM	0.0137	0.0211	0.0233	0.0257
	EMS	0.0113	0.0161	0.0191	0.0223
	FIRE	0.0093	0.0128	0.0152	0.0194
	LE	0.0111	0.0172	0.0187	0.0207
250,000 to 1 million	ALL	0.0033	0.0006	0.006	0.0083
	ECC	0.0086	0.0024	0.0154	0.0197
	EM	0.0074	0	0.0148	0.0174
	EMS	0.0055	0.0018	0.01	0.0133
	FIRE	0.0038	0	0.0067	0.0094
	LE	0.0056	0	0.0103	0.0126
More than 1 million	ALL	0.0019	0	0.0013	0.0064
	ECC	0.0054	0	0.0054	0.0154
	EM	0.0045	0	0.0022	0.015
	EMS	0.0033	0	0.0037	0.0103
	FIRE	0.002	0	0.0017	0.0064
	LE	0.0032	0	0.0015	0.0097

Q01) My organization participates in informal decision-making groups that address emergency communications that include representatives from: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Within my organization (Q01.a)	ALL	0.0057	0.0104	0.009	0.0097
	ECC	0.0091	0.0186	0.0139	0.0139
	EM	0.0096	0.0182	0.0147	0.0162
	EMS	0.0091	0.0168	0.0143	0.0162
	FIRE	0.0086	0.0158	0.0138	0.0147
	LE	0.0092	0.0179	0.0151	0.0148
Other public safety organizations in the same jurisdiction (Q01.b)	ALL	0.0062	0.0111	0.0099	0.0112
	ECC	0.0109	0.021	0.0175	0.0172
	EM	0.0104	0.019	0.0161	0.0187
	EMS	0.0108	0.0193	0.0172	0.0196
	FIRE	0.0098	0.0179	0.0157	0.0174
	LE	0.0105	0.0194	0.0169	0.0183
Other government organizations in the same jurisdiction that support public safety (Q01.c)	ALL	0.007	0.0122	0.0114	0.0127
	ECC	0.013	0.0234	0.0217	0.0221
	EM	0.0126	0.0219	0.0211	0.0223
	EMS	0.0122	0.0212	0.02	0.022
	FIRE	0.0107	0.0189	0.0172	0.0195
	LE	0.0117	0.0211	0.0191	0.0205
Local governments (Q01.d)	ALL	0.0071	0.0122	0.0117	0.0132
	ECC	0.0139	0.0244	0.0232	0.0242
	EM	0.0135	0.023	0.0227	0.0238
	EMS	0.0123	0.0206	0.0203	0.0226
	FIRE	0.0108	0.0185	0.0173	0.0199
	LE	0.0119	0.0212	0.0196	0.0211
State/territorial governments (Q01.e)	ALL	0.0066	0.0108	0.0109	0.0127
	ECC	0.0139	0.0234	0.0235	0.0249
	EM	0.0138	0.0226	0.0233	0.0259
	EMS	0.0111	0.0177	0.0187	0.0215
	FIRE	0.0093	0.0153	0.015	0.0185
	LE	0.0112	0.0195	0.0183	0.0204
Federal departments/agencies (Q01.f)	ALL	0.0048	0.0074	0.008	0.01
	ECC	0.0111	0.0168	0.019	0.0212
	EM	0.0112	0.0167	0.0189	0.0228
	EMS	0.0082	0.0119	0.0138	0.0171
	FIRE	0.0068	0.0104	0.0111	0.0138
	LE	0.0089	0.0143	0.015	0.0169
Tribal governments/organizations (Q01.g)	ALL	0.0028	0.0053	0.0047	0.0043
	ECC	0.0067	0.0122	0.0125	0.009
	EM	0.0072	0.0127	0.0126	0.012
	EMS	0.0046	0.0088	0.0076	0.0069
	FIRE	0.0037	0.0078	0.0057	0.0056

	LE	0.0049	0.0101	0.0081	0.0073
NGOs/private sector (Q01.h)	ALL	0.0046	0.0068	0.0078	0.0094
	ECC	0.0106	0.0156	0.0184	0.0204
	EM	0.0117	0.0171	0.0207	0.0227
	EMS	0.0074	0.01	0.0127	0.0155
	FIRE	0.0059	0.0087	0.0096	0.0125
	LE	0.0071	0.0102	0.0121	0.0139
International/cross-border entities (Q01.i)	ALL	0.0016	0.0022	0.0027	0.0035
	ECC	0.0038	0.0058	0.0066	0.0071
	EM	0.0043	0.0052	0.0078	0.0095
	EMS	0.0025	0.004	0.0033	0.0059
	FIRE	0.0021	0.0035	0.0032	0.0046
	LE	0.0027	0.0031	0.0048	0.0056
My organization does not participate in informal decision-making groups (Q01.j)	ALL	0.0032	0.006	0.005	0.0055
	ECC	0.0057	0.0116	0.0097	0.0075
	EM	0.0042	0.0085	0.0065	0.0065
	EMS	0.0054	0.0106	0.0081	0.0092
	FIRE	0.0049	0.0097	0.0077	0.008
	LE	0.0056	0.0108	0.009	0.0093

Q02) My organization participates in formal decision-making groups that address emergency communications that include representatives from: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Within my organization (Q02.a)	ALL	0.0058	0.0105	0.0093	0.0102
	ECC	0.0091	0.0176	0.0143	0.015
	EM	0.01	0.0182	0.016	0.0175
	EMS	0.0097	0.0178	0.0152	0.0172
	FIRE	0.0088	0.0161	0.0142	0.0151
	LE	0.0092	0.0179	0.0151	0.0146
Other public safety organizations in the same jurisdiction (Q02.b)	ALL	0.0066	0.0117	0.0106	0.012
	ECC	0.012	0.0227	0.0192	0.0202
	EM	0.0115	0.0201	0.0174	0.0225
	EMS	0.0116	0.0205	0.0187	0.0212
	FIRE	0.0103	0.0185	0.0164	0.0184
	LE	0.011	0.0201	0.0179	0.0192
Other government organizations in the same jurisdiction that support public safety (Q02.c)	ALL	0.0071	0.0124	0.0115	0.0131
	ECC	0.0135	0.0244	0.0226	0.023
	EM	0.0129	0.0221	0.0214	0.0236
	EMS	0.0123	0.0215	0.0201	0.0225
	FIRE	0.0108	0.0191	0.0173	0.0198
	LE	0.0118	0.0214	0.0193	0.0208
Local governments (Q02.d)	ALL	0.0072	0.0123	0.0118	0.0134
	ECC	0.0142	0.025	0.0237	0.025
	EM	0.0138	0.0235	0.0231	0.0251
	EMS	0.0124	0.0209	0.0205	0.023
	FIRE	0.0108	0.0187	0.0174	0.0202
	LE	0.0121	0.0216	0.0199	0.0214
State/territorial governments (Q02.e)	ALL	0.0065	0.0109	0.0108	0.0125
	ECC	0.0139	0.0238	0.0234	0.0247
	EM	0.0138	0.0229	0.0233	0.0257
	EMS	0.0112	0.0176	0.0191	0.0212
	FIRE	0.0093	0.0151	0.0151	0.0184
	LE	0.0112	0.0197	0.0187	0.02
Federal departments/agencies (Q02.f)	ALL	0.0047	0.0072	0.0077	0.0095
	ECC	0.0107	0.0164	0.018	0.0208
	EM	0.0108	0.0162	0.0188	0.0212
	EMS	0.0078	0.0118	0.0131	0.0156
	FIRE	0.0065	0.0105	0.0102	0.013
	LE	0.0088	0.0142	0.0148	0.0166
Tribal governments/organizations (Q02.g)	ALL	0.0026	0.005	0.0042	0.0041
	ECC	0.0061	0.0114	0.0105	0.0094
	EM	0.007	0.0128	0.0119	0.0112
	EMS	0.0042	0.0085	0.007	0.0059
	FIRE	0.0036	0.0073	0.0056	0.0056

	LE	0.0049	0.01	0.0079	0.0072
NGOs/private sector (Q02.h)	ALL	0.0041	0.0062	0.007	0.0082
	ECC	0.0096	0.0147	0.0166	0.0183
	EM	0.0106	0.0163	0.0188	0.02
	EMS	0.0068	0.0096	0.0119	0.0136
	FIRE	0.0054	0.0083	0.0087	0.0111
	LE	0.0066	0.01	0.0112	0.0129
International/cross-border entities (Q02.i)	ALL	0.0014	0.0022	0.0021	0.003
	ECC	0.0032	0.005	0.0055	0.0062
	EM	0.0037	0.0058	0.0069	0.006
	EMS	0.0024	0.0045	0.0029	0.0051
	FIRE	0.002	0.0033	0.003	0.0043
	LE	0.0027	0.0049	0.0031	0.0057
My organization does not participate in formal decision-making groups (Q02.j)	ALL	0.0034	0.0063	0.0053	0.0058
	ECC	0.0052	0.0098	0.0091	0.0076
	EM	0.0045	0.0079	0.0072	0.0084
	EMS	0.0059	0.011	0.0092	0.0103
	FIRE	0.0052	0.0102	0.0084	0.0082
	LE	0.0053	0.0106	0.009	0.0081

Q03) Do your formal decision-making groups invite and/or recruit participants beyond first responders? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.007	0.0122	0.0114	0.0128
	ECC	0.0133	0.0239	0.022	0.0232
	EM	0.0123	0.0212	0.0207	0.0216
	EMS	0.0122	0.0215	0.0193	0.0226
	FIRE	0.0107	0.0192	0.0172	0.0196
	LE	0.0116	0.0213	0.019	0.0202
No	ALL	0.007	0.0122	0.0114	0.0128
	ECC	0.0133	0.0239	0.022	0.0232
	EM	0.0123	0.0212	0.0207	0.0216
	EMS	0.0122	0.0215	0.0193	0.0226
	FIRE	0.0107	0.0192	0.0172	0.0196
	LE	0.0116	0.0213	0.019	0.0202

Q03a) What type of participants beyond first responders are invited to your organization's formal decision-making groups? (SATA) Note: quantities are proportions of local respondents that selected "Yes" on Q03.

Answer Option	Discipline	All	Rural	Urban	Metro
Emergency Support Function (ESF) #1 - Transportation (Q03a.a)	ALL	0.0084	0.015	0.0135	0.0152
	ECC	0.0165	0.0294	0.0273	0.0292
	EM	0.0163	0.028	0.0275	0.0288
	EMS	0.0145	0.026	0.0226	0.0271
	FIRE	0.0125	0.0227	0.0199	0.0226
	LE	0.0138	0.0251	0.0228	0.024
ESF #2 - Communications (Q03a.b)	ALL	0.0076	0.0136	0.0123	0.0137
	ECC	0.0133	0.0242	0.0223	0.0227
	EM	0.0121	0.0221	0.0195	0.0209
	EMS	0.0137	0.0247	0.0223	0.0241
	FIRE	0.012	0.0216	0.0197	0.021
	LE	0.0121	0.0212	0.0196	0.022
ESF #3 - Public Works and Engineering (Q03a.c)	ALL	0.0093	0.0161	0.0152	0.0169
	ECC	0.0178	0.0318	0.0299	0.0311
	EM	0.0159	0.0269	0.0269	0.029
	EMS	0.0162	0.0285	0.0257	0.0301
	FIRE	0.0143	0.0255	0.0229	0.0261
	LE	0.0152	0.028	0.0252	0.0259
ESF #4 - Firefighting (Q03a.d)	ALL	0.0077	0.0128	0.0125	0.0146
	ECC	0.0146	0.0233	0.0256	0.0262
	EM	0.0135	0.0207	0.0228	0.0266
	EMS	0.0135	0.024	0.0217	0.0244
	FIRE	0.0122	0.0216	0.0193	0.0226
	LE	0.0127	0.0212	0.0205	0.0236
ESF #5 - Information and Planning (Q03a.e)	ALL	0.009	0.0157	0.0145	0.0168
	ECC	0.0178	0.0318	0.0295	0.0311
	EM	0.0166	0.0281	0.0282	0.03
	EMS	0.0157	0.0278	0.0244	0.0298
	FIRE	0.0139	0.0248	0.0218	0.0258
	LE	0.0152	0.0277	0.0248	0.0267
ESF #6 - Mass Care, Emergency Assistance, Temporary Housing, and Human Resources (Q03a.f)	ALL	0.009	0.0156	0.0148	0.0165
	ECC	0.0176	0.0314	0.0294	0.0309
	EM	0.0166	0.028	0.0281	0.03
	EMS	0.0155	0.027	0.0249	0.029
	FIRE	0.0135	0.0237	0.022	0.0246
	LE	0.0151	0.0278	0.0246	0.026
ESF #7 - Logistics (Q03a.g)	ALL	0.0084	0.0145	0.0131	0.016
	ECC	0.0167	0.0294	0.0272	0.0302
	EM	0.0161	0.0277	0.0261	0.0297
	EMS	0.0146	0.025	0.0221	0.0289
	FIRE	0.0128	0.0224	0.0196	0.0246

	LE	0.014	0.0256	0.0223	0.0253
ESF #8 - Public Health and Medical Services (Q03a.h)	ALL	0.0091	0.0156	0.0149	0.017
	ECC	0.0175	0.0301	0.0293	0.0312
	EM	0.0153	0.0239	0.0257	0.0295
	EMS	0.0159	0.0274	0.0257	0.0297
	FIRE	0.0142	0.0253	0.0229	0.0261
	LE	0.0154	0.0274	0.0252	0.0268
ESF #9 - Search and Rescue (Q03a.i)	ALL	0.0092	0.0161	0.015	0.0166
	ECC	0.0178	0.0318	0.0298	0.0306
	EM	0.0166	0.0275	0.0282	0.0299
	EMS	0.0161	0.0286	0.0257	0.0298
	FIRE	0.0143	0.0255	0.0229	0.0259
	LE	0.0152	0.0281	0.0248	0.0253
ESF #10 - Oil and Hazardous Materials Response (Q03a.j)	ALL	0.0078	0.0143	0.0125	0.0138
	ECC	0.0156	0.0295	0.0266	0.0246
	EM	0.016	0.0277	0.0268	0.0281
	EMS	0.0136	0.0248	0.0209	0.0258
	FIRE	0.0122	0.0225	0.019	0.0223
	LE	0.0121	0.0245	0.0191	0.019
ESF #11 - Agriculture and Natural Resources (Q03a.k)	ALL	0.0064	0.0126	0.01	0.0102
	ECC	0.0128	0.0269	0.0209	0.0175
	EM	0.0138	0.0256	0.0227	0.0226
	EMS	0.0106	0.0215	0.0158	0.0176
	FIRE	0.01	0.0204	0.0163	0.0139
	LE	0.01	0.0215	0.0153	0.015
ESF #12 - Energy (Q03a.l)	ALL	0.0069	0.0126	0.0112	0.0122
	ECC	0.0138	0.0264	0.0231	0.022
	EM	0.0147	0.026	0.0245	0.0253
	EMS	0.0108	0.0184	0.017	0.0215
	FIRE	0.0101	0.0179	0.0166	0.018
	LE	0.0111	0.0214	0.018	0.0188
ESF #13 - Public Safety and Security (Q03a.m)	ALL	0.0088	0.0155	0.0143	0.0163
	ECC	0.016	0.0282	0.0259	0.0289
	EM	0.0142	0.0245	0.0225	0.0267
	EMS	0.0159	0.0283	0.0256	0.029
	FIRE	0.014	0.0253	0.0223	0.0254
	LE	0.0146	0.0267	0.0236	0.0256
ESF #14 - Cross-Sector Business and Infrastructure (Q03a.n)	ALL	0.0056	0.0099	0.0089	0.0106
	ECC	0.0107	0.0186	0.0179	0.0189
	EM	0.0129	0.0221	0.0218	0.0233
	EMS	0.0091	0.0131	0.0138	0.0206
	FIRE	0.0078	0.0132	0.0124	0.015
	LE	0.008	0.0149	0.0115	0.0152
ESF #15 - External Affairs (Q03a.o)	ALL	0.005	0.0087	0.0075	0.0099
	ECC	0.0089	0.017	0.0121	0.0171
	EM	0.0124	0.021	0.0197	0.0238
	EMS	0.0072	0.012	0.0099	0.016
	FIRE	0.0062	0.0109	0.0086	0.0132
	LE	0.007	0.0144	0.0098	0.0126

Information Technology Advisors or Providers (Q03a.p)	ALL	0.0087	0.0134	0.0143	0.0169
	ECC	0.0179	0.0301	0.0299	0.031
	EM	0.0165	0.0264	0.0281	0.03
	EMS	0.0149	0.0228	0.0241	0.0297
	FIRE	0.0128	0.0194	0.0207	0.0254
	LE	0.015	0.0241	0.0248	0.027
Cybersecurity Advisors or Providers (Q03a.q)	ALL	0.0074	0.0116	0.0118	0.0152
	ECC	0.0165	0.0264	0.0278	0.0303
	EM	0.0151	0.0249	0.0252	0.0285
	EMS	0.0124	0.0193	0.0193	0.0259
	FIRE	0.0103	0.0163	0.0158	0.0215
	LE	0.0129	0.0212	0.021	0.0243
Non-governmental Organizations (NGO) (Q03a.r)	ALL	0.0076	0.0129	0.0125	0.014
	ECC	0.0152	0.0277	0.0254	0.0262
	EM	0.0158	0.027	0.0272	0.0274
	EMS	0.012	0.0195	0.02	0.0227
	FIRE	0.0107	0.0182	0.018	0.0196
	LE	0.0118	0.0206	0.0196	0.021
Private Sector (Q03a.s)	ALL	0.008	0.0137	0.0133	0.0147
	ECC	0.0161	0.0275	0.0277	0.0284
	EM	0.0157	0.0269	0.0269	0.0278
	EMS	0.0135	0.0224	0.0219	0.0261
	FIRE	0.0118	0.0203	0.0192	0.0218
	LE	0.0125	0.0221	0.0203	0.0228
Academia (Q03a.t)	ALL	0.006	0.0097	0.0101	0.0113
	ECC	0.0128	0.0199	0.0232	0.0222
	EM	0.0133	0.0215	0.0241	0.0231
	EMS	0.0094	0.0138	0.0154	0.0196
	FIRE	0.0078	0.0117	0.013	0.0158
	LE	0.0101	0.016	0.0172	0.0187

Q04_1.1) Do the decision-making groups in which your organization participates sufficiently support your organization's need for communications operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0045	0.0084	0.0073	0.0075
	ECC	0.0084	0.0149	0.0149	0.013
	EM	0.0084	0.0155	0.0131	0.0144
	EMS	0.0084	0.0157	0.0141	0.0129
	FIRE	0.0071	0.013	0.0118	0.0119
	LE	0.007	0.0144	0.0119	0.0095
No	ALL	0.0045	0.0084	0.0073	0.0075
	ECC	0.0084	0.0149	0.0149	0.013
	EM	0.0084	0.0155	0.0131	0.0144
	EMS	0.0084	0.0157	0.0141	0.0129
	FIRE	0.0071	0.013	0.0118	0.0119
	LE	0.007	0.0144	0.0119	0.0095

Q04_1.2) Do the decision-making groups in which your organization participates sufficiently support your organization's need for communications operability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0053	0.0099	0.0088	0.0087
	ECC	0.0087	0.0165	0.0143	0.0139
	EM	0.0095	0.0172	0.016	0.0155
	EMS	0.0101	0.019	0.0165	0.0159
	FIRE	0.0089	0.0163	0.0145	0.0148
	LE	0.0077	0.0157	0.0127	0.0105
No	ALL	0.0053	0.0099	0.0088	0.0087
	ECC	0.0087	0.0165	0.0143	0.0139
	EM	0.0095	0.0172	0.016	0.0155
	EMS	0.0101	0.019	0.0165	0.0159
	FIRE	0.0089	0.0163	0.0145	0.0148
	LE	0.0077	0.0157	0.0127	0.0105

Q04_2.1) Do the decision-making groups in which your organization participates sufficiently support your organization's need for communications interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0054	0.01	0.0088	0.0091
	ECC	0.0091	0.0154	0.0162	0.0151
	EM	0.0096	0.0166	0.0157	0.0176
	EMS	0.0099	0.0188	0.0164	0.0153
	FIRE	0.0088	0.0165	0.0142	0.0144
	LE	0.0084	0.0161	0.0141	0.0131
No	ALL	0.0054	0.01	0.0088	0.0091
	ECC	0.0091	0.0154	0.0162	0.0151
	EM	0.0096	0.0166	0.0157	0.0176
	EMS	0.0099	0.0188	0.0164	0.0153
	FIRE	0.0088	0.0165	0.0142	0.0144
	LE	0.0084	0.0161	0.0141	0.0131

Q04_2.2) Do the decision-making groups in which your organization participates sufficiently support your organization's need for communications interoperability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0062	0.0112	0.0102	0.0106
	ECC	0.0107	0.0194	0.0175	0.0188
	EM	0.0114	0.0198	0.0189	0.0204
	EMS	0.0114	0.0206	0.0189	0.0188
	FIRE	0.01	0.0183	0.0164	0.0172
	LE	0.009	0.0171	0.0153	0.0137
No	ALL	0.0062	0.0112	0.0102	0.0106
	ECC	0.0107	0.0194	0.0175	0.0188
	EM	0.0114	0.0198	0.0189	0.0204
	EMS	0.0114	0.0206	0.0189	0.0188
	FIRE	0.01	0.0183	0.0164	0.0172
	LE	0.009	0.0171	0.0153	0.0137

Q04_3.1) Do the decision-making groups in which your organization participates sufficiently support your organization's need for communications continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0056	0.0102	0.0091	0.0095
	ECC	0.0095	0.0165	0.0158	0.0171
	EM	0.0104	0.0179	0.017	0.0189
	EMS	0.0102	0.019	0.0168	0.0167
	FIRE	0.009	0.0168	0.0148	0.0148
	LE	0.0081	0.0158	0.0136	0.0124
No	ALL	0.0056	0.0102	0.0091	0.0095
	ECC	0.0095	0.0165	0.0158	0.0171
	EM	0.0104	0.0179	0.017	0.0189
	EMS	0.0102	0.019	0.0168	0.0167
	FIRE	0.009	0.0168	0.0148	0.0148
	LE	0.0081	0.0158	0.0136	0.0124

Q04_3.2) Do the decision-making groups in which your organization participates sufficiently support your organization's need for communications continuity in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0063	0.0113	0.0104	0.0112
	ECC	0.0113	0.0204	0.0182	0.0203
	EM	0.012	0.0202	0.0203	0.022
	EMS	0.0117	0.0209	0.0189	0.0209
	FIRE	0.0103	0.0183	0.0166	0.0184
	LE	0.0091	0.017	0.0155	0.0148
No	ALL	0.0063	0.0113	0.0104	0.0112
	ECC	0.0113	0.0204	0.0182	0.0203
	EM	0.012	0.0202	0.0203	0.022
	EMS	0.0117	0.0209	0.0189	0.0209
	FIRE	0.0103	0.0183	0.0166	0.0184
	LE	0.0091	0.017	0.0155	0.0148

Q05_1) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with other public safety organizations in the same jurisdiction.

(SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.007	0.0125	0.0115	0.0125
	ECC	0.0126	0.0226	0.022	0.0197
	EM	0.0138	0.0236	0.0232	0.0249
	EMS	0.0125	0.0221	0.0202	0.0228
	FIRE	0.0109	0.0197	0.0174	0.0196
	LE	0.0114	0.0214	0.019	0.0187
There are published and active agreements with some	ALL	0.0065	0.0111	0.0106	0.0121
	ECC	0.0132	0.023	0.022	0.0234
	EM	0.0124	0.0212	0.0218	0.0206
	EMS	0.0112	0.0196	0.0186	0.0196
	FIRE	0.0094	0.0168	0.0155	0.0164
	LE	0.0115	0.0208	0.0187	0.0203
There are published and active agreements with most	ALL	0.007	0.0117	0.0118	0.0132
	ECC	0.0147	0.0247	0.0249	0.0265
	EM	0.0129	0.0204	0.0224	0.0245
	EMS	0.0121	0.0193	0.0208	0.0226
	FIRE	0.0107	0.0179	0.0174	0.0203
	LE	0.0122	0.0215	0.0204	0.0216
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0062	0.01	0.01	0.0122
	ECC	0.013	0.0214	0.0199	0.026
	EM	0.0125	0.0192	0.0208	0.0256
	EMS	0.011	0.0176	0.0178	0.0222
	FIRE	0.0092	0.0145	0.0147	0.0191
	LE	0.01	0.0179	0.0159	0.0184
Not applicable	ALL	0.0038	0.007	0.0064	0.0063
	ECC	0.0072	0.0147	0.0105	0.012
	EM	0.0068	0.0112	0.0124	0.0117
	EMS	0.0064	0.0125	0.0098	0.0107
	FIRE	0.0059	0.0111	0.0098	0.0093
	LE	0.0068	0.0119	0.0114	0.0119

Q05_2) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with other government organizations in the same jurisdiction that support public safety. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0072	0.0128	0.0118	0.013
	ECC	0.0132	0.0236	0.0225	0.0224
	EM	0.0141	0.0237	0.0239	0.0257
	EMS	0.0127	0.0217	0.0208	0.0236
	FIRE	0.0111	0.0196	0.0177	0.0202
	LE	0.0118	0.0224	0.0191	0.0198
There are published and active agreements with some	ALL	0.0066	0.011	0.0111	0.012
	ECC	0.0134	0.023	0.0225	0.0241
	EM	0.0126	0.0216	0.0221	0.0211
	EMS	0.0114	0.0196	0.0194	0.0199
	FIRE	0.0097	0.0168	0.0163	0.0169
	LE	0.0114	0.02	0.0191	0.0201
There are published and active agreements with most	ALL	0.0069	0.0115	0.0115	0.0131
	ECC	0.0145	0.0244	0.0242	0.0266
	EM	0.0129	0.0205	0.0221	0.0247
	EMS	0.0119	0.0199	0.0197	0.0222
	FIRE	0.0105	0.0179	0.0169	0.0201
	LE	0.012	0.0214	0.0199	0.0213
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0057	0.0092	0.0092	0.0113
	ECC	0.0117	0.0201	0.0182	0.0227
	EM	0.0118	0.0177	0.0196	0.0242
	EMS	0.0102	0.0166	0.0163	0.0207
	FIRE	0.0085	0.0132	0.0135	0.0177
	LE	0.0094	0.0165	0.0151	0.0173
Not applicable	ALL	0.0046	0.0084	0.0078	0.0077
	ECC	0.0089	0.0164	0.0151	0.0141
	EM	0.0079	0.0139	0.0137	0.0129
	EMS	0.0081	0.0148	0.0137	0.0133
	FIRE	0.0072	0.0131	0.0121	0.0116
	LE	0.0081	0.0145	0.0139	0.0134

Q05_3) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with local governments. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0069	0.0125	0.0115	0.0118
	ECC	0.013	0.0231	0.0231	0.0206
	EM	0.0135	0.0229	0.0238	0.0226
	EMS	0.012	0.0219	0.0195	0.0206
	FIRE	0.0105	0.0195	0.0168	0.0177
	LE	0.0114	0.0213	0.0189	0.0189
There are published and active agreements with some	ALL	0.0068	0.0114	0.0112	0.0127
	ECC	0.0138	0.0242	0.0221	0.0255
	EM	0.0131	0.0225	0.0226	0.0226
	EMS	0.0118	0.0197	0.02	0.0217
	FIRE	0.01	0.0171	0.0168	0.0181
	LE	0.0116	0.0213	0.0188	0.0206
There are published and active agreements with most	ALL	0.0067	0.011	0.0111	0.0131
	ECC	0.0139	0.0227	0.0234	0.0262
	EM	0.013	0.0209	0.0217	0.0254
	EMS	0.0116	0.0178	0.0195	0.0232
	FIRE	0.0103	0.0169	0.0165	0.0206
	LE	0.0116	0.0197	0.0197	0.0208
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0054	0.0086	0.0087	0.011
	ECC	0.0109	0.0181	0.017	0.0219
	EM	0.0111	0.016	0.0189	0.0234
	EMS	0.0099	0.016	0.0158	0.0199
	FIRE	0.0083	0.0124	0.0133	0.0176
	LE	0.0089	0.0155	0.0142	0.0166
Not applicable	ALL	0.0056	0.0101	0.0092	0.0097
	ECC	0.0108	0.0203	0.0176	0.0176
	EM	0.0093	0.0158	0.0148	0.018
	EMS	0.0098	0.0179	0.0163	0.0165
	FIRE	0.0085	0.0157	0.0138	0.0146
	LE	0.0097	0.0187	0.0159	0.016

Q05_4) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with state/territorial governments. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0063	0.011	0.0107	0.0106
	ECC	0.0119	0.0195	0.0221	0.0193
	EM	0.0118	0.02	0.0203	0.0207
	EMS	0.011	0.0189	0.0191	0.0185
	FIRE	0.0095	0.0169	0.0162	0.0158
	LE	0.0109	0.0201	0.0186	0.0178
There are published and active agreements with some	ALL	0.0068	0.0113	0.0113	0.0125
	ECC	0.0138	0.0245	0.0218	0.0256
	EM	0.0133	0.0225	0.0235	0.0228
	EMS	0.0119	0.0203	0.0197	0.022
	FIRE	0.0099	0.0172	0.0165	0.0181
	LE	0.0115	0.0207	0.0185	0.0205
There are published and active agreements with most	ALL	0.0064	0.0105	0.0107	0.0123
	ECC	0.0133	0.022	0.023	0.0242
	EM	0.0127	0.0202	0.0217	0.0243
	EMS	0.0108	0.0165	0.018	0.0218
	FIRE	0.0098	0.0158	0.0162	0.0193
	LE	0.011	0.0192	0.0182	0.0196
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0054	0.009	0.0085	0.0106
	ECC	0.0111	0.0187	0.0178	0.0216
	EM	0.0113	0.0183	0.0187	0.0223
	EMS	0.0095	0.0153	0.0152	0.019
	FIRE	0.0081	0.0131	0.0123	0.0171
	LE	0.0083	0.0159	0.0124	0.0151
Not applicable	ALL	0.0069	0.0123	0.011	0.0126
	ECC	0.013	0.0237	0.0205	0.0231
	EM	0.0119	0.0193	0.0194	0.0234
	EMS	0.0123	0.0221	0.0195	0.022
	FIRE	0.0106	0.0193	0.0165	0.0194
	LE	0.0117	0.0212	0.0197	0.0201

Q05_5) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with federal departments/agencies. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0058	0.0102	0.0097	0.0105
	ECC	0.0119	0.0204	0.0206	0.0205
	EM	0.0118	0.0193	0.0198	0.0228
	EMS	0.01	0.0183	0.0162	0.0173
	FIRE	0.0086	0.0159	0.0138	0.0147
	LE	0.01	0.0178	0.017	0.0172
There are published and active agreements with some	ALL	0.0055	0.0087	0.0095	0.0105
	ECC	0.012	0.0201	0.0207	0.0216
	EM	0.0107	0.0179	0.0185	0.0195
	EMS	0.0095	0.0138	0.0174	0.0178
	FIRE	0.0084	0.0127	0.0144	0.0161
	LE	0.0098	0.0162	0.017	0.0175
There are published and active agreements with most	ALL	0.0046	0.0073	0.0075	0.0093
	ECC	0.0101	0.0144	0.0162	0.0214
	EM	0.0093	0.0149	0.0147	0.0189
	EMS	0.008	0.0135	0.0127	0.0157
	FIRE	0.0072	0.0119	0.0117	0.0138
	LE	0.0085	0.0137	0.0139	0.016
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.004	0.0069	0.0063	0.0079
	ECC	0.0079	0.0136	0.0125	0.0153
	EM	0.0086	0.0141	0.0136	0.0171
	EMS	0.0074	0.0119	0.0118	0.0151
	FIRE	0.0061	0.0103	0.0091	0.013
	LE	0.006	0.0112	0.0088	0.0111
Not applicable	ALL	0.008	0.0136	0.0132	0.0149
	ECC	0.0159	0.0275	0.0264	0.0286
	EM	0.0154	0.0255	0.0263	0.0285
	EMS	0.014	0.0236	0.0231	0.026
	FIRE	0.0121	0.0209	0.0196	0.0226
	LE	0.0136	0.0244	0.0224	0.0237

Q05_6) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with tribal governments/organizations. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0043	0.0079	0.0074	0.0067
	ECC	0.0089	0.0162	0.0148	0.015
	EM	0.009	0.0152	0.0169	0.0139
	EMS	0.008	0.0152	0.0134	0.0123
	FIRE	0.0068	0.0125	0.0115	0.0105
	LE	0.0069	0.0135	0.011	0.0114
There are published and active agreements with some	ALL	0.0028	0.0053	0.0045	0.005
	ECC	0.0057	0.0108	0.01	0.0087
	EM	0.0061	0.0113	0.009	0.0112
	EMS	0.005	0.0088	0.0089	0.008
	FIRE	0.004	0.0074	0.0063	0.0073
	LE	0.0046	0.0096	0.0072	0.0071
There are published and active agreements with most	ALL	0.003	0.0053	0.0046	0.0056
	ECC	0.0063	0.0096	0.0107	0.0125
	EM	0.0062	0.011	0.0086	0.0128
	EMS	0.0048	0.0079	0.0067	0.0106
	FIRE	0.0045	0.008	0.0067	0.0088
	LE	0.0055	0.0109	0.0084	0.0094
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0021	0.0034	0.0034	0.0043
	ECC	0.0036	0.0074	0.0056	0.0057
	EM	0.0049	0.0072	0.0081	0.0102
	EMS	0.0037	0.0056	0.0064	0.0071
	FIRE	0.0033	0.0043	0.0055	0.007
	LE	0.0029	0.0064	0.0035	0.005
Not applicable	ALL	0.0059	0.0106	0.0098	0.0104
	ECC	0.012	0.0215	0.0201	0.0209
	EM	0.0124	0.0211	0.021	0.0224
	EMS	0.0105	0.0188	0.0174	0.0184
	FIRE	0.009	0.0161	0.0148	0.0161
	LE	0.0097	0.0194	0.0153	0.0163

Q05_7) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with NGO/private sector. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0061	0.0106	0.0102	0.0106
	ECC	0.0117	0.0203	0.0199	0.0204
	EM	0.0133	0.022	0.0227	0.0243
	EMS	0.0105	0.0176	0.0175	0.0196
	FIRE	0.0091	0.0153	0.0152	0.0166
	LE	0.0093	0.0176	0.015	0.0158
There are published and active agreements with some	ALL	0.0048	0.0075	0.0078	0.01
	ECC	0.011	0.0162	0.0186	0.022
	EM	0.011	0.0183	0.0185	0.0207
	EMS	0.0085	0.0128	0.0145	0.0169
	FIRE	0.0068	0.0104	0.0109	0.0141
	LE	0.0079	0.0117	0.0124	0.0162
There are published and active agreements with most	ALL	0.0034	0.0053	0.0059	0.0066
	ECC	0.0076	0.0123	0.0129	0.0143
	EM	0.0073	0.0104	0.013	0.015
	EMS	0.0059	0.0092	0.0094	0.0121
	FIRE	0.005	0.0074	0.0079	0.0109
	LE	0.0057	0.0096	0.0102	0.0096
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0033	0.0051	0.0053	0.0067
	ECC	0.0062	0.0096	0.0088	0.0139
	EM	0.0075	0.0115	0.013	0.0147
	EMS	0.0052	0.0084	0.0084	0.0106
	FIRE	0.0046	0.0076	0.007	0.0098
	LE	0.0049	0.0073	0.0082	0.0096
Not applicable	ALL	0.0077	0.013	0.0128	0.0145
	ECC	0.0156	0.0262	0.0261	0.0286
	EM	0.0154	0.0254	0.0262	0.0284
	EMS	0.0134	0.0221	0.0222	0.0254
	FIRE	0.0115	0.0191	0.0186	0.022
	LE	0.0126	0.0219	0.0206	0.0226

Q05_8) Select the responses that best characterize the agreements your organization has made to enable emergency communications interoperability with international/cross-border entities. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
There are informal, undocumented agreements in practice with	ALL	0.0037	0.0065	0.0062	0.0066
	ECC	0.0076	0.013	0.0134	0.0129
	EM	0.0081	0.0123	0.0145	0.0154
	EMS	0.0068	0.0126	0.0112	0.0112
	FIRE	0.0059	0.0098	0.01	0.0106
	LE	0.0052	0.0099	0.0082	0.0088
There are published and active agreements with some	ALL	0.0024	0.0042	0.0035	0.0048
	ECC	0.005	0.0096	0.0079	0.0087
	EM	0.0053	0.0095	0.0082	0.0097
	EMS	0.0041	0.0072	0.006	0.0085
	FIRE	0.0038	0.007	0.0058	0.007
	LE	0.0035	0.0065	0.0053	0.0067
There are published and active agreements with most	ALL	0.0021	0.0037	0.003	0.0046
	ECC	0.0044	0.0074	0.0056	0.0098
	EM	0.004	0.0068	0.0055	0.0086
	EMS	0.0036	0.0068	0.0037	0.0081
	FIRE	0.0031	0.005	0.0038	0.0073
	LE	0.0039	0.0069	0.0063	0.007
Agreements are reviewed every 3-5 years, after system upgrades, or incidents that test capabilities with	ALL	0.0019	0.003	0.0034	0.0035
	ECC	0.002	0.0043	0.004	NR
	EM	0.0047	0.0072	0.0091	0.008
	EMS	0.0033	0.0046	0.0064	0.006
	FIRE	0.0031	0.0035	0.0055	0.0067
	LE	0.0023	0.0055	0.0035	0.0032
Not applicable	ALL	0.0051	0.0087	0.0081	0.0096
	ECC	0.0099	0.0176	0.0164	0.0177
	EM	0.0109	0.0175	0.0188	0.0205
	EMS	0.009	0.016	0.0142	0.0166
	FIRE	0.0079	0.0131	0.0128	0.0153
	LE	0.0075	0.0143	0.0118	0.0131

Q06_1.1) Do your organization's agreements meet its needs to achieve communications operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.004	0.0075	0.007	0.0061
	ECC	0.0068	0.0099	0.0139	0.0104
	EM	0.0078	0.0127	0.0145	0.0127
	EMS	0.0075	0.0142	0.0131	0.0102
	FIRE	0.0066	0.0129	0.011	0.0092
	LE	0.0061	0.0118	0.0109	0.0086
No	ALL	0.004	0.0075	0.007	0.0061
	ECC	0.0068	0.0099	0.0139	0.0104
	EM	0.0078	0.0127	0.0145	0.0127
	EMS	0.0075	0.0142	0.0131	0.0102
	FIRE	0.0066	0.0129	0.011	0.0092
	LE	0.0061	0.0118	0.0109	0.0086

Q06_1.2) Do your organization's agreements meet its needs to achieve communications operability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0059	0.0108	0.0101	0.0091
	ECC	0.01	0.0175	0.0185	0.0153
	EM	0.0111	0.0197	0.0193	0.0177
	EMS	0.011	0.0204	0.0187	0.0167
	FIRE	0.0097	0.0183	0.016	0.0151
	LE	0.0083	0.0168	0.015	0.0099
No	ALL	0.0059	0.0108	0.0101	0.0091
	ECC	0.01	0.0175	0.0185	0.0153
	EM	0.0111	0.0197	0.0193	0.0177
	EMS	0.011	0.0204	0.0187	0.0167
	FIRE	0.0097	0.0183	0.016	0.0151
	LE	0.0083	0.0168	0.015	0.0099

Q06_2.1) Do your organization's agreements meet its needs to achieve communications interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0055	0.0103	0.009	0.0087
	ECC	0.0091	0.0149	0.017	0.0147
	EM	0.0103	0.0176	0.0185	0.017
	EMS	0.0102	0.0193	0.0168	0.0156
	FIRE	0.0089	0.017	0.0143	0.0138
	LE	0.008	0.0154	0.0143	0.0116
No	ALL	0.0055	0.0103	0.009	0.0087
	ECC	0.0091	0.0149	0.017	0.0147
	EM	0.0103	0.0176	0.0185	0.017
	EMS	0.0102	0.0193	0.0168	0.0156
	FIRE	0.0089	0.017	0.0143	0.0138
	LE	0.008	0.0154	0.0143	0.0116

Q06_2.2) Do your organization's agreements meet its needs to achieve communications interoperability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0069	0.0123	0.0115	0.0115
	ECC	0.0122	0.0213	0.0214	0.0206
	EM	0.013	0.0222	0.0225	0.023
	EMS	0.0127	0.0228	0.0211	0.0214
	FIRE	0.0111	0.0202	0.0182	0.0186
	LE	0.0097	0.0189	0.0167	0.014
No	ALL	0.0069	0.0123	0.0115	0.0115
	ECC	0.0122	0.0213	0.0214	0.0206
	EM	0.013	0.0222	0.0225	0.023
	EMS	0.0127	0.0228	0.0211	0.0214
	FIRE	0.0111	0.0202	0.0182	0.0186
	LE	0.0097	0.0189	0.0167	0.014

Q06_3.1) Do your organization's agreements meet its needs to achieve communications continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0057	0.0106	0.0096	0.0093
	ECC	0.0096	0.0154	0.0175	0.0165
	EM	0.011	0.0183	0.0198	0.0189
	EMS	0.0108	0.0201	0.0176	0.0174
	FIRE	0.0093	0.0177	0.0151	0.0149
	LE	0.0082	0.0152	0.0149	0.012
No	ALL	0.0057	0.0106	0.0096	0.0093
	ECC	0.0096	0.0154	0.0175	0.0165
	EM	0.011	0.0183	0.0198	0.0189
	EMS	0.0108	0.0201	0.0176	0.0174
	FIRE	0.0093	0.0177	0.0151	0.0149
	LE	0.0082	0.0152	0.0149	0.012

Q06_3.2) Do your organization's agreements meet its needs to achieve communications continuity in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.007	0.0125	0.0118	0.012
	ECC	0.0129	0.0224	0.0225	0.0221
	EM	0.0139	0.0235	0.0239	0.0244
	EMS	0.013	0.0231	0.0212	0.0229
	FIRE	0.0112	0.0204	0.0182	0.0196
	LE	0.01	0.019	0.0178	0.0148
No	ALL	0.007	0.0125	0.0118	0.012
	ECC	0.0129	0.0224	0.0225	0.0221
	EM	0.0139	0.0235	0.0239	0.0244
	EMS	0.013	0.0231	0.0212	0.0229
	FIRE	0.0112	0.0204	0.0182	0.0196
	LE	0.01	0.019	0.0178	0.0148

Q07_01) Select the responses that best characterize your organization's overall networks/systems capital investment funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0073	0.0139	0.012	0.0113
	ECC	0.0106	0.0224	0.0179	0.0127
	EM	0.013	0.0244	0.0207	0.0201
	EMS	0.0133	0.0251	0.0217	0.0202
	FIRE	0.0119	0.0224	0.0193	0.0184
	LE	0.0113	0.0244	0.0189	0.0137
There is funding, but it is insufficient to meet needs	ALL	0.009	0.0153	0.0149	0.0165
	ECC	0.0174	0.0309	0.0289	0.0305
	EM	0.017	0.0281	0.0286	0.0319
	EMS	0.0157	0.0269	0.0259	0.0291
	FIRE	0.0137	0.0238	0.0223	0.0258
	LE	0.0152	0.0278	0.0252	0.0259
There is funding, and it is sufficient for all needs	ALL	0.0073	0.011	0.012	0.0149
	ECC	0.0159	0.027	0.0261	0.0294
	EM	0.0131	0.0193	0.0221	0.0274
	EMS	0.0124	0.0184	0.0214	0.0246
	FIRE	0.0104	0.0153	0.0167	0.0223
	LE	0.014	0.0231	0.0226	0.0259
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0055	0.0074	0.009	0.0124
	ECC	0.013	0.0192	0.021	0.0263
	EM	0.0103	0.0134	0.0166	0.0239
	EMS	0.009	0.011	0.0148	0.0204
	FIRE	0.0077	0.0102	0.0125	0.0175
	LE	0.0104	0.0135	0.0179	0.0205
Not applicable	ALL	0.0036	0.0072	0.0059	0.0055
	ECC	0.0053	0.01	0.01	0.0068
	EM	0.0063	0.0116	0.0112	0.0091
	EMS	0.0061	0.011	0.011	0.0089
	FIRE	0.0052	0.0104	0.0083	0.0079
	LE	0.0063	0.0135	0.011	0.0081

Q07_02) Select the responses that best characterize your organization's overall networks/systems operating costs funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0064	0.0124	0.0103	0.0098
	ECC	0.0073	0.0159	0.0107	0.0107
	EM	0.0108	0.0209	0.0171	0.0153
	EMS	0.012	0.0235	0.0199	0.0175
	FIRE	0.0109	0.0211	0.0177	0.0163
	LE	0.0096	0.0214	0.0147	0.0128
There is funding, but it is insufficient to meet needs	ALL	0.0088	0.0153	0.0147	0.0156
	ECC	0.0165	0.0299	0.0278	0.0274
	EM	0.0169	0.028	0.0286	0.0308
	EMS	0.0155	0.0274	0.0252	0.0274
	FIRE	0.0135	0.0239	0.0219	0.0245
	LE	0.0145	0.0269	0.0247	0.0237
There is funding, and it is sufficient for all needs	ALL	0.0083	0.013	0.0137	0.0163
	ECC	0.0171	0.0293	0.0283	0.0309
	EM	0.0156	0.0235	0.0263	0.0312
	EMS	0.0144	0.022	0.0241	0.0279
	FIRE	0.0122	0.0191	0.0194	0.0248
	LE	0.0149	0.0257	0.0244	0.0265
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0055	0.0077	0.009	0.0122
	ECC	0.0125	0.0199	0.02	0.0249
	EM	0.0103	0.0138	0.0171	0.0233
	EMS	0.0093	0.0106	0.0152	0.0211
	FIRE	0.008	0.0101	0.0129	0.018
	LE	0.0101	0.0142	0.0171	0.0198
Not applicable	ALL	0.0036	0.0069	0.006	0.0049
	ECC	0.005	0.0097	0.0098	0.0054
	EM	0.0059	0.011	0.0107	0.007
	EMS	0.0061	0.011	0.0119	0.0074
	FIRE	0.0051	0.0098	0.0089	0.0064
	LE	0.0064	0.013	0.0119	0.0074

Q07_03) Select the responses that best characterize your organization's overall networks/systems maintenance funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0065	0.0126	0.0105	0.0096
	ECC	0.0072	0.0164	0.0106	0.0092
	EM	0.0108	0.0209	0.018	0.0132
	EMS	0.0121	0.0235	0.0198	0.0171
	FIRE	0.0109	0.0209	0.0178	0.0162
	LE	0.0095	0.0216	0.0147	0.0121
There is funding, but it is insufficient to meet needs	ALL	0.0087	0.0149	0.0146	0.0155
	ECC	0.0163	0.0291	0.0277	0.0275
	EM	0.0167	0.0276	0.0285	0.0309
	EMS	0.0153	0.0267	0.0252	0.0277
	FIRE	0.0134	0.0233	0.0219	0.0244
	LE	0.0144	0.0265	0.0246	0.0237
There is funding, and it is sufficient for all needs	ALL	0.0085	0.0135	0.0139	0.0165
	ECC	0.0171	0.0297	0.0281	0.0308
	EM	0.0159	0.0248	0.0267	0.0315
	EMS	0.0145	0.0222	0.0246	0.028
	FIRE	0.0124	0.0195	0.0199	0.0251
	LE	0.0149	0.0257	0.0247	0.0264
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0054	0.0078	0.0088	0.0118
	ECC	0.0124	0.0196	0.0204	0.0241
	EM	0.0098	0.0142	0.0154	0.022
	EMS	0.0093	0.012	0.0153	0.0209
	FIRE	0.0078	0.0104	0.0123	0.018
	LE	0.0098	0.0141	0.0163	0.0194
Not applicable	ALL	0.0036	0.0068	0.0061	0.0053
	ECC	0.0047	0.0088	0.0091	0.0053
	EM	0.0059	0.0105	0.0102	0.0098
	EMS	0.006	0.0106	0.0117	0.0074
	FIRE	0.0052	0.0097	0.0094	0.007
	LE	0.0064	0.0129	0.0119	0.0078

Q07_04) Select the responses that best characterize your organization's overall networks/systems upgrade funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0076	0.0141	0.0127	0.012
	ECC	0.0111	0.0218	0.0194	0.015
	EM	0.0136	0.0243	0.0227	0.0217
	EMS	0.0142	0.0261	0.0235	0.0223
	FIRE	0.0126	0.0229	0.0208	0.02
	LE	0.0115	0.0235	0.0193	0.0156
There is funding, but it is insufficient to meet needs	ALL	0.009	0.0152	0.0149	0.0166
	ECC	0.0172	0.0302	0.0289	0.0303
	EM	0.0171	0.028	0.029	0.0322
	EMS	0.0158	0.0268	0.0262	0.0291
	FIRE	0.0138	0.0236	0.0224	0.026
	LE	0.0151	0.0273	0.0253	0.0259
There is funding, and it is sufficient for all needs	ALL	0.0073	0.0108	0.0119	0.0151
	ECC	0.0155	0.0259	0.0251	0.0295
	EM	0.0134	0.0197	0.0225	0.028
	EMS	0.0125	0.0178	0.0214	0.0255
	FIRE	0.0104	0.0148	0.0165	0.0229
	LE	0.0135	0.0214	0.022	0.0255
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0056	0.0078	0.0091	0.0121
	ECC	0.0124	0.0186	0.0206	0.0249
	EM	0.01	0.0145	0.0164	0.022
	EMS	0.009	0.0118	0.0145	0.0206
	FIRE	0.0077	0.0103	0.0119	0.0179
	LE	0.0102	0.0161	0.017	0.0194
Not applicable	ALL	0.0036	0.0068	0.006	0.0052
	ECC	0.0043	0.0081	0.0082	0.0054
	EM	0.0062	0.0111	0.0105	0.0101
	EMS	0.0059	0.0104	0.0115	0.0077
	FIRE	0.0053	0.0099	0.0092	0.0078
	LE	0.0061	0.0125	0.0115	0.0069

Q07_05) Select the responses that best characterize your organization's overall networks decommissioning funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0097	0.017	0.016	0.0166
	ECC	0.0167	0.0305	0.0281	0.0281
	EM	0.0179	0.0308	0.0304	0.0308
	EMS	0.0174	0.0305	0.0286	0.0306
	FIRE	0.0153	0.0263	0.0252	0.0274
	LE	0.0155	0.03	0.0254	0.0241
There is funding, but it is insufficient to meet needs	ALL	0.0079	0.0133	0.0132	0.0143
	ECC	0.0149	0.029	0.0249	0.0232
	EM	0.0153	0.025	0.0272	0.027
	EMS	0.0137	0.0233	0.0229	0.0248
	FIRE	0.0118	0.0191	0.0197	0.0229
	LE	0.0131	0.0251	0.0217	0.0215
There is funding, and it is sufficient for all needs	ALL	0.0069	0.0102	0.011	0.0148
	ECC	0.0157	0.0273	0.0249	0.0295
	EM	0.0131	0.0201	0.0199	0.0283
	EMS	0.0113	0.0167	0.0174	0.0246
	FIRE	0.0094	0.0138	0.0141	0.0216
	LE	0.0134	0.0209	0.0219	0.0259
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0045	0.0057	0.0075	0.0105
	ECC	0.0106	0.0151	0.0176	0.0214
	EM	0.0078	0.0102	0.0126	0.0181
	EMS	0.0069	0.0064	0.0113	0.0171
	FIRE	0.0058	0.0072	0.0085	0.0145
	LE	0.0087	0.0123	0.0138	0.018
Not applicable	ALL	0.0091	0.0151	0.0152	0.0169
	ECC	0.0176	0.0317	0.0291	0.0308
	EM	0.0164	0.0266	0.028	0.0308
	EMS	0.0158	0.0261	0.0269	0.0291
	FIRE	0.0138	0.023	0.0231	0.0259
	LE	0.0155	0.0259	0.0267	0.0274

Q07_06) Select the responses that best characterize your organization's overall applications and services development and implementation funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0087	0.0158	0.0145	0.0142
	ECC	0.0135	0.026	0.0239	0.0188
	EM	0.0162	0.0291	0.0267	0.0255
	EMS	0.0156	0.0287	0.026	0.0253
	FIRE	0.0141	0.0253	0.0231	0.0238
	LE	0.0135	0.027	0.0229	0.0195
There is funding, but it is insufficient to meet needs	ALL	0.0091	0.0155	0.0154	0.0164
	ECC	0.0176	0.0316	0.0291	0.031
	EM	0.0179	0.0292	0.0311	0.0331
	EMS	0.0161	0.0278	0.0268	0.0289
	FIRE	0.014	0.0241	0.0232	0.0257
	LE	0.0152	0.028	0.0255	0.0254
There is funding, and it is sufficient for all needs	ALL	0.0079	0.0115	0.0131	0.016
	ECC	0.0168	0.0289	0.027	0.031
	EM	0.0141	0.0203	0.0242	0.029
	EMS	0.0133	0.0203	0.0221	0.0263
	FIRE	0.0111	0.0165	0.0175	0.0234
	LE	0.0146	0.0221	0.0246	0.0272
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0051	0.0066	0.0083	0.0114
	ECC	0.0114	0.0173	0.0197	0.0215
	EM	0.0091	0.0112	0.0157	0.0205
	EMS	0.0086	0.0084	0.0154	0.0191
	FIRE	0.0074	0.0087	0.0114	0.0178
	LE	0.0093	0.013	0.0155	0.0185
Not applicable	ALL	0.0059	0.0108	0.0098	0.0098
	ECC	0.0089	0.0168	0.016	0.0128
	EM	0.0105	0.0166	0.0181	0.0201
	EMS	0.0107	0.0187	0.0186	0.0179
	FIRE	0.0092	0.0169	0.0156	0.0149
	LE	0.0097	0.0188	0.0162	0.0155

Q07_07) Select the responses that best characterize your organization's overall Telecommunications Service Priority (TSP) funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0088	0.0157	0.0144	0.015
	ECC	0.0135	0.0263	0.0218	0.0215
	EM	0.0156	0.027	0.0254	0.0281
	EMS	0.016	0.0291	0.0253	0.028
	FIRE	0.0145	0.0256	0.0238	0.0255
	LE	0.0132	0.0264	0.0222	0.0193
There is funding, but it is insufficient to meet needs	ALL	0.0089	0.0153	0.0148	0.0162
	ECC	0.0167	0.0309	0.0269	0.029
	EM	0.0169	0.0283	0.0287	0.0307
	EMS	0.016	0.0283	0.0261	0.0284
	FIRE	0.014	0.0237	0.0229	0.0265
	LE	0.015	0.0284	0.0246	0.0247
There is funding, and it is sufficient for all needs	ALL	0.0085	0.0132	0.0142	0.017
	ECC	0.018	0.0312	0.0295	0.033
	EM	0.0158	0.0244	0.0274	0.0307
	EMS	0.014	0.0204	0.0239	0.0277
	FIRE	0.0115	0.0172	0.0188	0.0245
	LE	0.0154	0.0249	0.0261	0.028
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0055	0.0075	0.0093	0.012
	ECC	0.0117	0.0173	0.0203	0.0225
	EM	0.0104	0.0138	0.0167	0.0242
	EMS	0.0094	0.0108	0.0162	0.021
	FIRE	0.0083	0.0116	0.0131	0.0191
	LE	0.0101	0.0125	0.0173	0.0206
Not applicable	ALL	0.0065	0.0111	0.0111	0.0115
	ECC	0.0111	0.0168	0.0208	0.0187
	EM	0.0113	0.0179	0.0199	0.0211
	EMS	0.0116	0.0211	0.0186	0.0206
	FIRE	0.0104	0.0184	0.0167	0.0186
	LE	0.0106	0.0184	0.0182	0.0186

Q07_08) Select the responses that best characterize your organization's overall Nationwide Public Safety Broadband Network (NPSBN)/FirstNet funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0087	0.0156	0.0143	0.0148
	ECC	0.0145	0.0273	0.0235	0.0245
	EM	0.0155	0.0268	0.0265	0.0256
	EMS	0.016	0.0288	0.0258	0.0278
	FIRE	0.0142	0.0253	0.0231	0.0243
	LE	0.0137	0.0266	0.0227	0.0217
There is funding, but it is insufficient to meet needs	ALL	0.0086	0.0147	0.0143	0.0158
	ECC	0.0163	0.0303	0.0272	0.0267
	EM	0.0164	0.0264	0.0281	0.0314
	EMS	0.0153	0.0276	0.0249	0.0271
	FIRE	0.0134	0.0227	0.0221	0.0249
	LE	0.0145	0.0277	0.0239	0.0235
There is funding, and it is sufficient for all needs	ALL	0.0081	0.0127	0.0134	0.0161
	ECC	0.0171	0.03	0.0274	0.0318
	EM	0.015	0.0226	0.0255	0.0305
	EMS	0.0135	0.0188	0.0237	0.0266
	FIRE	0.0116	0.0175	0.019	0.024
	LE	0.0145	0.0241	0.0245	0.0264
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0047	0.0061	0.0081	0.0105
	ECC	0.0106	0.0138	0.0184	0.0215
	EM	0.0086	0.0122	0.014	0.0193
	EMS	0.0081	0.0096	0.0146	0.0169
	FIRE	0.0068	0.0099	0.0108	0.0149
	LE	0.009	0.0122	0.0149	0.0186
Not applicable	ALL	0.0068	0.0114	0.0109	0.0131
	ECC	0.0128	0.0205	0.0215	0.0242
	EM	0.012	0.0211	0.0189	0.022
	EMS	0.0113	0.0183	0.0189	0.0217
	FIRE	0.0098	0.0159	0.0161	0.0194
	LE	0.0121	0.0197	0.0201	0.0228

Q07_09) Select the responses that best characterize your organization's overall Integrated Public Alert & Warning System (IPAWS) alerting software funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0084	0.0151	0.0137	0.0145
	ECC	0.0135	0.025	0.0221	0.0231
	EM	0.014	0.0238	0.0237	0.0247
	EMS	0.0157	0.028	0.0259	0.0274
	FIRE	0.0139	0.0252	0.0225	0.024
	LE	0.0132	0.0258	0.022	0.0205
There is funding, but it is insufficient to meet needs	ALL	0.0081	0.0144	0.0132	0.0144
	ECC	0.0151	0.029	0.0254	0.0228
	EM	0.0149	0.0249	0.0258	0.0264
	EMS	0.0149	0.0278	0.0236	0.025
	FIRE	0.0129	0.0236	0.0203	0.0233
	LE	0.0135	0.0262	0.0212	0.0227
There is funding, and it is sufficient for all needs	ALL	0.0085	0.0138	0.0142	0.0166
	ECC	0.0178	0.0308	0.0291	0.0328
	EM	0.0162	0.0256	0.0274	0.0319
	EMS	0.0144	0.0215	0.0247	0.0283
	FIRE	0.0122	0.0178	0.0204	0.0248
	LE	0.0153	0.026	0.0253	0.0277
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0056	0.0083	0.0093	0.0117
	ECC	0.0118	0.0182	0.02	0.0231
	EM	0.0108	0.0163	0.0173	0.0237
	EMS	0.009	0.0109	0.0146	0.0208
	FIRE	0.0082	0.012	0.0123	0.0188
	LE	0.0097	0.0154	0.0159	0.0186
Not applicable	ALL	0.0068	0.011	0.0116	0.0132
	ECC	0.0126	0.0194	0.0217	0.0242
	EM	0.0102	0.0165	0.0168	0.0202
	EMS	0.0123	0.0205	0.0207	0.0226
	FIRE	0.0108	0.0174	0.0183	0.0203
	LE	0.0125	0.0205	0.0216	0.0226

Q07_10) Select the responses that best characterize your organization's overall Next Generation 911 (NG911) funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0076	0.0144	0.0125	0.0122
	ECC	0.0108	0.0217	0.0185	0.0144
	EM	0.0122	0.0209	0.0215	0.0199
	EMS	0.0149	0.0275	0.0244	0.0249
	FIRE	0.0132	0.0246	0.0213	0.0218
	LE	0.0114	0.0243	0.0193	0.0147
There is funding, but it is insufficient to meet needs	ALL	0.0088	0.0154	0.0147	0.0158
	ECC	0.016	0.029	0.0267	0.027
	EM	0.0169	0.0276	0.0289	0.0314
	EMS	0.0159	0.0288	0.0261	0.0273
	FIRE	0.0139	0.0242	0.0226	0.0259
	LE	0.014	0.0267	0.0229	0.0231
There is funding, and it is sufficient for all needs	ALL	0.0085	0.014	0.0138	0.0163
	ECC	0.017	0.0299	0.0275	0.0309
	EM	0.0158	0.0265	0.0254	0.031
	EMS	0.0146	0.0235	0.0237	0.0288
	FIRE	0.0126	0.0208	0.0201	0.0252
	LE	0.015	0.0261	0.0249	0.0267
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0061	0.0088	0.0101	0.013
	ECC	0.0132	0.0206	0.0219	0.0259
	EM	0.0119	0.0184	0.0196	0.025
	EMS	0.01	0.0113	0.0171	0.0219
	FIRE	0.009	0.0117	0.0146	0.0202
	LE	0.0105	0.0141	0.0173	0.021
Not applicable	ALL	0.0067	0.0112	0.0112	0.0126
	ECC	0.0083	0.0119	0.0145	0.0162
	EM	0.0109	0.0179	0.0175	0.0222
	EMS	0.012	0.0206	0.0203	0.0211
	FIRE	0.0103	0.0173	0.0172	0.0189
	LE	0.0118	0.0207	0.0204	0.0201

Q08_1) Select the responses that best characterize your organization's overall equipment management funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0058	0.0109	0.0097	0.0089
	ECC	0.0079	0.014	0.0149	0.011
	EM	0.0103	0.0183	0.0176	0.0165
	EMS	0.0106	0.0197	0.0172	0.0178
	FIRE	0.0093	0.0178	0.0152	0.0146
	LE	0.0091	0.0194	0.0159	0.0112
There is funding, but it is insufficient to meet needs	ALL	0.0086	0.0147	0.0143	0.0157
	ECC	0.0165	0.0295	0.0275	0.0276
	EM	0.0162	0.0265	0.0274	0.0302
	EMS	0.015	0.0255	0.0248	0.0273
	FIRE	0.0131	0.0223	0.0211	0.0243
	LE	0.0146	0.027	0.0242	0.0243
There is funding, and it is sufficient for all needs	ALL	0.0078	0.0125	0.0127	0.0156
	ECC	0.0166	0.0288	0.0267	0.0305
	EM	0.0147	0.0229	0.0247	0.0294
	EMS	0.0132	0.021	0.0217	0.0261
	FIRE	0.0112	0.0177	0.0177	0.023
	LE	0.0143	0.0247	0.0234	0.0255
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0049	0.0069	0.0081	0.0108
	ECC	0.0114	0.0179	0.0187	0.0224
	EM	0.0091	0.0115	0.015	0.0215
	EMS	0.0084	0.0103	0.0137	0.0192
	FIRE	0.007	0.0087	0.0109	0.0168
	LE	0.0091	0.0121	0.0151	0.0186
Not applicable	ALL	0.0018	0.0036	0.0026	0.0032
	ECC	0.0025	0.0049	0.0044	0.0037
	EM	0.0028	0.0057	0.003	0.0053
	EMS	0.0028	0.0059	0.0043	0.0044
	FIRE	0.0023	0.0049	0.0031	0.0034
	LE	0.0035	0.0077	0.0048	0.0059

Q08_2) Select the responses that best characterize your organization's overall equipment upgrades funding.
(SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0067	0.0126	0.011	0.0108
	ECC	0.0099	0.0194	0.0162	0.0155
	EM	0.0119	0.0216	0.0191	0.0202
	EMS	0.0121	0.0222	0.0197	0.0208
	FIRE	0.0108	0.0204	0.0172	0.0179
	LE	0.0106	0.0223	0.0176	0.0144
There is funding, but it is insufficient to meet needs	ALL	0.0086	0.0147	0.0142	0.0161
	ECC	0.0169	0.0293	0.0279	0.0301
	EM	0.0161	0.0263	0.0268	0.0308
	EMS	0.015	0.0255	0.0246	0.0277
	FIRE	0.013	0.0224	0.021	0.0246
	LE	0.0148	0.0268	0.0246	0.0256
There is funding, and it is sufficient for all needs	ALL	0.0069	0.0107	0.0109	0.0142
	ECC	0.0152	0.0258	0.024	0.0291
	EM	0.0124	0.0188	0.0206	0.0259
	EMS	0.0113	0.018	0.0183	0.0228
	FIRE	0.0096	0.0152	0.0151	0.0203
	LE	0.0131	0.0221	0.0214	0.0241
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.005	0.0068	0.008	0.0111
	ECC	0.0116	0.0171	0.0186	0.0242
	EM	0.0092	0.0121	0.0152	0.0212
	EMS	0.0082	0.0096	0.0139	0.0186
	FIRE	0.0067	0.0077	0.0108	0.016
	LE	0.0092	0.0128	0.0153	0.0184
Not applicable	ALL	0.0017	0.0035	0.0021	0.0029
	ECC	0.0023	0.0049	0.0044	NR
	EM	0.0028	0.0057	0.003	0.0054
	EMS	0.0025	0.0058	0.0035	0.0031
	FIRE	0.0019	0.0045	0.0025	0.0024
	LE	0.0035	0.0081	0.0042	0.0059

Q08_3) Select the responses that best characterize your organization's overall equipment disposal funding.
(SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0091	0.0159	0.0152	0.0156
	ECC	0.0163	0.0297	0.0272	0.0274
	EM	0.017	0.0285	0.0294	0.0302
	EMS	0.0159	0.0281	0.0261	0.0283
	FIRE	0.0141	0.0245	0.0231	0.0251
	LE	0.0152	0.0288	0.0253	0.0242
There is funding, but it is insufficient to meet needs	ALL	0.0078	0.0135	0.0131	0.0142
	ECC	0.0142	0.0265	0.0239	0.0229
	EM	0.015	0.0248	0.0259	0.0271
	EMS	0.0138	0.0243	0.0232	0.0238
	FIRE	0.0119	0.0201	0.0198	0.0225
	LE	0.0129	0.0246	0.0218	0.0205
There is funding, and it is sufficient for all needs	ALL	0.0079	0.0126	0.0126	0.0161
	ECC	0.0174	0.0297	0.0282	0.0324
	EM	0.0147	0.0224	0.0251	0.0295
	EMS	0.0129	0.0207	0.0204	0.0262
	FIRE	0.011	0.0177	0.0169	0.0233
	LE	0.0147	0.025	0.0237	0.0272
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0047	0.0059	0.0073	0.011
	ECC	0.0111	0.016	0.0176	0.0238
	EM	0.0086	0.01	0.0134	0.0213
	EMS	0.0081	0.0089	0.0131	0.0189
	FIRE	0.0065	0.0079	0.0098	0.0163
	LE	0.0087	0.0109	0.0136	0.0188
Not applicable	ALL	0.0062	0.0109	0.0102	0.0111
	ECC	0.0112	0.0196	0.0179	0.0209
	EM	0.0115	0.0203	0.0193	0.0195
	EMS	0.0107	0.0189	0.018	0.0184
	FIRE	0.0096	0.0164	0.0164	0.0167
	LE	0.0107	0.0191	0.0179	0.0188

Q09_1) Select the responses that best characterize your organization's overall interoperability solutions capital investment funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0087	0.0157	0.0142	0.0147
	ECC	0.0148	0.0283	0.0236	0.0246
	EM	0.016	0.0282	0.0259	0.0272
	EMS	0.0156	0.028	0.0257	0.0262
	FIRE	0.0136	0.0247	0.0217	0.0229
	LE	0.0144	0.0282	0.0246	0.0216
There is funding, but it is insufficient to meet needs	ALL	0.0091	0.0155	0.0151	0.0166
	ECC	0.0178	0.0319	0.0297	0.0307
	EM	0.0172	0.0282	0.0294	0.032
	EMS	0.0157	0.0271	0.0259	0.0289
	FIRE	0.0137	0.0235	0.0223	0.0258
	LE	0.0152	0.0283	0.0254	0.0257
There is funding, and it is sufficient for all needs	ALL	0.0071	0.0108	0.0117	0.0148
	ECC	0.0157	0.026	0.0249	0.0302
	EM	0.0126	0.0179	0.0221	0.0262
	EMS	0.0119	0.0181	0.0206	0.0231
	FIRE	0.0102	0.0159	0.0163	0.021
	LE	0.0139	0.0227	0.0227	0.0258
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0049	0.0059	0.0083	0.011
	ECC	0.0113	0.0138	0.0204	0.0226
	EM	0.0098	0.0116	0.0162	0.0233
	EMS	0.0089	0.0094	0.0147	0.0208
	FIRE	0.0072	0.0077	0.0119	0.017
	LE	0.0096	0.0124	0.0166	0.0191
Not applicable	ALL	0.0037	0.0074	0.0056	0.0064
	ECC	0.0054	0.0099	0.0094	0.0083
	EM	0.0056	0.0107	0.0069	0.0111
	EMS	0.0061	0.012	0.0091	0.0105
	FIRE	0.0053	0.0102	0.0091	0.0077
	LE	0.0071	0.0155	0.0107	0.0112

Q09_2) Select the responses that best characterize your organization's overall interoperability solutions
operating costs funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0081	0.0149	0.0133	0.0134
	ECC	0.0132	0.0248	0.0218	0.0219
	EM	0.0145	0.0262	0.0243	0.0224
	EMS	0.0146	0.027	0.024	0.0236
	FIRE	0.0128	0.0241	0.0205	0.0203
	LE	0.0134	0.0267	0.0227	0.0199
There is funding, but it is insufficient to meet needs	ALL	0.009	0.0156	0.015	0.0162
	ECC	0.0174	0.0318	0.0288	0.0293
	EM	0.017	0.0282	0.0292	0.0308
	EMS	0.0157	0.0273	0.0263	0.0281
	FIRE	0.0137	0.0237	0.0225	0.0252
	LE	0.0151	0.0284	0.0256	0.0244
There is funding, and it is sufficient for all needs	ALL	0.0079	0.0122	0.0128	0.0159
	ECC	0.0169	0.029	0.0272	0.0315
	EM	0.0146	0.0212	0.0247	0.0301
	EMS	0.0133	0.0204	0.0223	0.0263
	FIRE	0.0114	0.0179	0.0178	0.0235
	LE	0.0147	0.0248	0.0237	0.0267
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.005	0.0063	0.0084	0.011
	ECC	0.0108	0.0163	0.0186	0.0208
	EM	0.0094	0.0129	0.0147	0.0215
	EMS	0.0087	0.0087	0.0146	0.0199
	FIRE	0.0073	0.0076	0.0121	0.0169
	LE	0.0095	0.0131	0.0162	0.0186
Not applicable	ALL	0.0034	0.0068	0.0049	0.0059
	ECC	0.0038	0.0071	0.0059	0.007
	EM	0.0051	0.01	0.0048	0.0106
	EMS	0.0055	0.0118	0.008	0.0083
	FIRE	0.0049	0.01	0.0076	0.0071
	LE	0.0065	0.0143	0.0089	0.0109

Q09_3) Select the responses that best characterize your organization's overall interoperability solutions
maintenance costs funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0083	0.0152	0.0135	0.0137
	ECC	0.0136	0.0254	0.0222	0.0228
	EM	0.0149	0.0271	0.0251	0.0226
	EMS	0.015	0.0276	0.0246	0.0242
	FIRE	0.013	0.0244	0.0207	0.0209
	LE	0.0136	0.0271	0.0228	0.0205
There is funding, but it is insufficient to meet needs	ALL	0.009	0.0156	0.015	0.0162
	ECC	0.0175	0.0315	0.0291	0.0296
	EM	0.017	0.0283	0.0291	0.0309
	EMS	0.0156	0.0271	0.026	0.0279
	FIRE	0.0137	0.0238	0.0224	0.0253
	LE	0.0151	0.0285	0.0256	0.0246
There is funding, and it is sufficient for all needs	ALL	0.0079	0.0122	0.0129	0.0159
	ECC	0.0168	0.0281	0.0273	0.0314
	EM	0.0144	0.0198	0.0249	0.03
	EMS	0.0135	0.0198	0.0227	0.0268
	FIRE	0.0114	0.0174	0.0183	0.0235
	LE	0.0147	0.0244	0.0244	0.0263
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0049	0.0062	0.0083	0.0109
	ECC	0.0106	0.0155	0.0188	0.0199
	EM	0.0091	0.0119	0.0148	0.0209
	EMS	0.0085	0.0093	0.0142	0.0194
	FIRE	0.0072	0.008	0.0114	0.0169
	LE	0.0094	0.0123	0.0158	0.0186
Not applicable	ALL	0.0034	0.0068	0.0051	0.0057
	ECC	0.0042	0.008	0.0061	0.0081
	EM	0.0054	0.0111	0.0034	0.0114
	EMS	0.0057	0.0123	0.0086	0.0076
	FIRE	0.0051	0.0104	0.0087	0.006
	LE	0.0065	0.0143	0.009	0.0109

Q09_4) Select the responses that best characterize your organization's overall interoperability solutions research and development funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0097	0.0164	0.016	0.0177
	ECC	0.0184	0.0329	0.0307	0.0315
	EM	0.0181	0.0291	0.0306	0.0339
	EMS	0.017	0.0287	0.0283	0.0309
	FIRE	0.0147	0.0249	0.024	0.0275
	LE	0.0166	0.0302	0.0279	0.0274
There is funding, but it is insufficient to meet needs	ALL	0.0083	0.0136	0.0142	0.0155
	ECC	0.0164	0.0297	0.0276	0.0275
	EM	0.0161	0.0248	0.0285	0.0308
	EMS	0.014	0.0236	0.0243	0.0249
	FIRE	0.0125	0.02	0.0213	0.0236
	LE	0.0142	0.0253	0.0247	0.0239
There is funding, and it is sufficient for all needs	ALL	0.0063	0.0097	0.0098	0.0135
	ECC	0.0144	0.0233	0.0218	0.0293
	EM	0.0107	0.015	0.0172	0.0246
	EMS	0.0107	0.0168	0.0172	0.0218
	FIRE	0.009	0.0145	0.0136	0.0192
	LE	0.0122	0.0202	0.0188	0.0236
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0042	0.0052	0.0067	0.0099
	ECC	0.0096	0.012	0.0168	0.0196
	EM	0.0077	0.0097	0.0132	0.0176
	EMS	0.0073	0.009	0.0117	0.0168
	FIRE	0.0059	0.0068	0.0093	0.0144
	LE	0.0087	0.0124	0.013	0.0186
Not applicable	ALL	0.0058	0.01	0.0094	0.0106
	ECC	0.009	0.0146	0.0148	0.0175
	EM	0.0098	0.0172	0.0154	0.0181
	EMS	0.0097	0.0156	0.0167	0.0182
	FIRE	0.0085	0.0147	0.0142	0.0152
	LE	0.0103	0.018	0.0169	0.0186

Q10_1) Select the responses that best characterize your organization's overall cybersecurity capital investment funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.0093	0.0164	0.0152	0.016
	ECC	0.0149	0.0284	0.0244	0.0243
	EM	0.0162	0.0282	0.0268	0.0265
	EMS	0.0168	0.0291	0.0277	0.0297
	FIRE	0.0149	0.0256	0.0241	0.0267
	LE	0.0145	0.0286	0.024	0.0216
There is funding, but it is insufficient to meet needs	ALL	0.0091	0.015	0.0153	0.0172
	ECC	0.0186	0.0329	0.031	0.0326
	EM	0.0181	0.0291	0.0309	0.0348
	EMS	0.0153	0.0249	0.0256	0.0296
	FIRE	0.0133	0.0212	0.0221	0.0262
	LE	0.0159	0.0285	0.0261	0.0281
There is funding, and it is sufficient for all needs	ALL	0.0078	0.0122	0.0125	0.016
	ECC	0.0169	0.0293	0.0269	0.0318
	EM	0.0139	0.0207	0.0233	0.0295
	EMS	0.0135	0.0213	0.0221	0.0273
	FIRE	0.011	0.0169	0.0177	0.0228
	LE	0.0146	0.0257	0.0238	0.0265
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0048	0.0058	0.008	0.011
	ECC	0.0115	0.0156	0.0192	0.024
	EM	0.0089	0.0113	0.0156	0.0202
	EMS	0.0082	0.0082	0.0145	0.019
	FIRE	0.0065	0.007	0.0106	0.0159
	LE	0.0092	0.0101	0.0166	0.0185
Not applicable	ALL	0.0046	0.0085	0.0073	0.0076
	ECC	0.0062	0.0116	0.0086	0.0121
	EM	0.0061	0.0113	0.0085	0.0117
	EMS	0.008	0.0159	0.0128	0.012
	FIRE	0.0075	0.0146	0.0125	0.0103
	LE	0.0074	0.0128	0.0129	0.0128

Q10_2) Select the responses that best characterize your organization's overall cybersecurity operating costs funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.009	0.0161	0.0148	0.015
	ECC	0.0137	0.0256	0.0228	0.0221
	EM	0.0153	0.0273	0.0258	0.0231
	EMS	0.0167	0.0292	0.0276	0.028
	FIRE	0.0148	0.0257	0.0241	0.0255
	LE	0.0137	0.0271	0.023	0.0204
There is funding, but it is insufficient to meet needs	ALL	0.0091	0.0152	0.0153	0.0172
	ECC	0.0183	0.0324	0.0303	0.0324
	EM	0.018	0.0289	0.0307	0.0345
	EMS	0.0151	0.0247	0.0245	0.0297
	FIRE	0.0133	0.0209	0.0219	0.0265
	LE	0.0158	0.0286	0.0259	0.0276
There is funding, and it is sufficient for all needs	ALL	0.0082	0.013	0.0132	0.0165
	ECC	0.0177	0.0305	0.0284	0.0332
	EM	0.015	0.0227	0.0255	0.0307
	EMS	0.0145	0.0228	0.024	0.0289
	FIRE	0.0116	0.0184	0.0184	0.0241
	LE	0.0152	0.027	0.0248	0.0271
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0048	0.006	0.0079	0.0108
	ECC	0.0114	0.0162	0.019	0.0238
	EM	0.0089	0.0121	0.0147	0.0207
	EMS	0.008	0.0083	0.0138	0.0185
	FIRE	0.0065	0.0069	0.0106	0.0155
	LE	0.0091	0.0105	0.0159	0.0187
Not applicable	ALL	0.0044	0.0083	0.0069	0.0071
	ECC	0.0054	0.0096	0.0075	0.0113
	EM	0.0056	0.0106	0.0075	0.0105
	EMS	0.0078	0.0154	0.0128	0.0113
	FIRE	0.0073	0.0145	0.0121	0.0097
	LE	0.0067	0.0111	0.0117	0.0117

Q10_3) Select the responses that best characterize your organization's overall cybersecurity maintenance costs funding. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
There is no funding for this item	ALL	0.009	0.0161	0.0148	0.015
	ECC	0.0138	0.0254	0.0229	0.0228
	EM	0.0155	0.0273	0.0263	0.0236
	EMS	0.0167	0.0292	0.0277	0.028
	FIRE	0.0148	0.0257	0.0242	0.0256
	LE	0.0137	0.0271	0.0229	0.0205
There is funding, but it is insufficient to meet needs	ALL	0.0092	0.0154	0.0152	0.0173
	ECC	0.0183	0.0326	0.0303	0.0319
	EM	0.018	0.0289	0.0308	0.0344
	EMS	0.0152	0.0252	0.0246	0.0299
	FIRE	0.0135	0.0215	0.022	0.0266
	LE	0.0159	0.0289	0.0259	0.0279
There is funding, and it is sufficient for all needs	ALL	0.0082	0.0129	0.0132	0.0167
	ECC	0.0176	0.0302	0.0282	0.0333
	EM	0.0149	0.0222	0.0247	0.0316
	EMS	0.0145	0.0223	0.0243	0.029
	FIRE	0.0116	0.0177	0.0184	0.0243
	LE	0.0153	0.027	0.0248	0.0276
Funding is sufficient and has been identified to address needs beyond the current budget cycle	ALL	0.0047	0.006	0.0079	0.0107
	ECC	0.0113	0.0162	0.0187	0.0235
	EM	0.0087	0.0116	0.0147	0.0199
	EMS	0.0079	0.0089	0.0136	0.0182
	FIRE	0.0064	0.0074	0.0104	0.0154
	LE	0.0091	0.0107	0.0161	0.0186
Not applicable	ALL	0.0044	0.0083	0.007	0.0072
	ECC	0.0056	0.0096	0.0075	0.0122
	EM	0.0058	0.0111	0.0075	0.0106
	EMS	0.0079	0.0157	0.0129	0.0113
	FIRE	0.0074	0.0147	0.0124	0.0093
	LE	0.0067	0.0112	0.0117	0.012

Q11) Select the sources used by your organization to fund emergency communications. (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Discretionary funding (Q11.a)	ALL	0.0083	0.014	0.0138	0.0155
	ECC	0.0164	0.0271	0.0278	0.0299
	EM	0.0162	0.0259	0.0278	0.0307
	EMS	0.0144	0.0241	0.0241	0.0266
	FIRE	0.0124	0.021	0.0205	0.0233
	LE	0.0146	0.0267	0.024	0.0251
Appropriated/dedicated funding (e.g., operational and/or capital budgets) (Q11.b)	ALL	0.0078	0.0144	0.0126	0.0125
	ECC	0.0122	0.0243	0.0192	0.019
	EM	0.0142	0.025	0.0249	0.0213
	EMS	0.0136	0.0252	0.0224	0.0213
	FIRE	0.0122	0.0223	0.0201	0.0196
	LE	0.0126	0.0263	0.0194	0.0189
Grants (Q11.c)	ALL	0.0083	0.0139	0.0137	0.0155
	ECC	0.0164	0.0286	0.0272	0.0296
	EM	0.0141	0.0232	0.0232	0.0272
	EMS	0.0143	0.0239	0.0244	0.0258
	FIRE	0.012	0.0206	0.0196	0.0227
	LE	0.0147	0.0263	0.0242	0.0256
Bonds (Q11.d)	ALL	0.0043	0.006	0.0074	0.009
	ECC	0.0101	0.0144	0.0175	0.0199
	EM	0.0096	0.0123	0.0185	0.0188
	EMS	0.0078	0.0114	0.0135	0.0155
	FIRE	0.0068	0.0096	0.0111	0.0146
	LE	0.0074	0.0115	0.012	0.0143
Specialized taxes (Q11.e)	ALL	0.0064	0.0109	0.0107	0.0117
	ECC	0.0148	0.0266	0.0237	0.0266
	EM	0.0119	0.0191	0.021	0.0218
	EMS	0.0111	0.0179	0.0191	0.0208
	FIRE	0.0097	0.0157	0.0161	0.0186
	LE	0.0108	0.0198	0.0184	0.0178
Fees (Q11.f)	ALL	0.0067	0.0116	0.0112	0.0121
	ECC	0.0163	0.0291	0.0269	0.0287
	EM	0.0134	0.0219	0.0237	0.0243
	EMS	0.0113	0.0192	0.0186	0.0211
	FIRE	0.0092	0.0153	0.0151	0.0176
	LE	0.0114	0.0216	0.0188	0.0193
Shared resources (e.g., operations and maintenance, systems, equipment, real estate) (Q11.g)	ALL	0.008	0.0131	0.0134	0.0151
	ECC	0.0165	0.0285	0.0274	0.0299
	EM	0.0157	0.0255	0.0274	0.0287
	EMS	0.0138	0.0216	0.0238	0.0261
	FIRE	0.0116	0.0188	0.0194	0.0221

	LE	0.0141	0.0254	0.0235	0.0245
Private individuals or organizations (Q11.h)	ALL	0.0044	0.0081	0.0072	0.0074
	ECC	0.0068	0.0112	0.0121	0.0118
	EM	0.0079	0.0126	0.014	0.0148
	EMS	0.0087	0.0163	0.0139	0.0147
	FIRE	0.0069	0.0132	0.0117	0.0104
	LE	0.0066	0.0144	0.0095	0.0105
Personally supplied communications equipment (e.g., bring-your-own-device) (Q11.i)	ALL	0.005	0.0093	0.0083	0.0085
	ECC	0.0081	0.0148	0.0132	0.0143
	EM	0.0107	0.018	0.0174	0.0205
	EMS	0.0089	0.0159	0.0148	0.0157
	FIRE	0.0079	0.0143	0.0128	0.0138
	LE	0.0069	0.0144	0.012	0.0091

Q12_1) Does your organization share either costs or resources with other public safety disciplines in the same jurisdiction? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0086	0.0145	0.0143	0.0159
	ECC	0.017	0.0293	0.0285	0.0304
	EM	0.0163	0.0269	0.0277	0.0296
	EMS	0.0149	0.0249	0.0248	0.0271
	FIRE	0.013	0.022	0.0211	0.0237
	LE	0.0147	0.0265	0.0244	0.0254
Resources	ALL	0.0081	0.014	0.0133	0.0148
	ECC	0.0154	0.0278	0.0254	0.0268
	EM	0.0142	0.0245	0.0235	0.0255
	EMS	0.014	0.0249	0.0231	0.0238
	FIRE	0.0124	0.0222	0.0202	0.0218
	LE	0.0138	0.0249	0.0226	0.0241

Q12_2) Does your organization share either costs or resources with other government organizations in the same jurisdiction that support public safety? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0084	0.0141	0.014	0.0159
	ECC	0.0169	0.0285	0.0284	0.0305
	EM	0.0162	0.0265	0.0277	0.0301
	EMS	0.0146	0.024	0.0241	0.0274
	FIRE	0.0126	0.0211	0.0205	0.0239
	LE	0.0145	0.0262	0.0239	0.0254
Resources	ALL	0.0084	0.0145	0.0141	0.0155
	ECC	0.0164	0.0289	0.0272	0.0288
	EM	0.0153	0.026	0.0254	0.0281
	EMS	0.0147	0.0255	0.0245	0.026
	FIRE	0.0129	0.0225	0.0211	0.0233
	LE	0.0144	0.0261	0.0242	0.0245

Q12_3) Does your organization share either costs or resources with local governments? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0079	0.013	0.0131	0.015
	ECC	0.0161	0.0266	0.0272	0.0295
	EM	0.0156	0.0248	0.0273	0.0289
	EMS	0.0133	0.0208	0.0222	0.0259
	FIRE	0.0116	0.019	0.0188	0.0228
	LE	0.0135	0.0236	0.0221	0.0244
Resources	ALL	0.0086	0.0146	0.0143	0.0159
	ECC	0.017	0.0295	0.0284	0.0303
	EM	0.0161	0.0269	0.0273	0.0295
	EMS	0.0149	0.0254	0.0247	0.0272
	FIRE	0.013	0.0224	0.0211	0.0239
	LE	0.0147	0.0266	0.0244	0.0253

Q12_4) Does your organization share either costs or resources with state/territorial governments? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0063	0.0102	0.0107	0.0117
	ECC	0.0146	0.025	0.0255	0.0253
	EM	0.0132	0.0206	0.0235	0.0248
	EMS	0.0102	0.0155	0.0181	0.0196
	FIRE	0.0088	0.0138	0.0153	0.0166
	LE	0.0108	0.0194	0.018	0.0186
Resources	ALL	0.0083	0.0141	0.0137	0.0153
	ECC	0.0169	0.0289	0.0285	0.03
	EM	0.0162	0.027	0.0278	0.0298
	EMS	0.014	0.0238	0.0229	0.0262
	FIRE	0.0121	0.0211	0.0194	0.0229
	LE	0.0143	0.0263	0.0238	0.0243

Q12_5) Does your organization share either costs or resources with federal departments/agencies? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0083	0.0141	0.0137	0.0153
	ECC	0.0169	0.0289	0.0285	0.03
	EM	0.0162	0.027	0.0278	0.0298
	EMS	0.014	0.0238	0.0229	0.0262
	FIRE	0.0121	0.0211	0.0194	0.0229
	LE	0.0143	0.0263	0.0238	0.0243
Resources	ALL	0.0064	0.011	0.0104	0.0121
	ECC	0.0136	0.0229	0.0236	0.024
	EM	0.0131	0.0215	0.0226	0.0244
	EMS	0.0106	0.0178	0.017	0.0205
	FIRE	0.0093	0.0165	0.0142	0.0178
	LE	0.012	0.0228	0.0192	0.0208

Q12_6) Does your organization share either costs or resources with tribal governments/organizations? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0023	0.004	0.004	0.0038
	ECC	0.0049	0.0084	0.0091	0.0074
	EM	0.0054	0.0081	0.0102	0.0101
	EMS	0.0038	0.0058	0.0077	0.006
	FIRE	0.0036	0.0064	0.0066	0.0051
	LE	0.0036	0.0063	0.0058	0.0068
Resources	ALL	0.0048	0.0092	0.0077	0.008
	ECC	0.0096	0.0178	0.0171	0.014
	EM	0.0106	0.0191	0.0178	0.0173
	EMS	0.0078	0.0145	0.013	0.0127
	FIRE	0.007	0.014	0.0104	0.012
	LE	0.0089	0.0186	0.0142	0.0134

Q12_7) Does your organization share either costs or resources with NGOs/private sector? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0031	0.0049	0.0055	0.0058
	ECC	0.0062	0.0103	0.011	0.011
	EM	0.0068	0.0095	0.0128	0.0132
	EMS	0.0057	0.0092	0.0099	0.0106
	FIRE	0.0045	0.0069	0.0081	0.0085
	LE	0.0049	0.0084	0.0088	0.0081
Resources	ALL	0.006	0.0105	0.0099	0.0107
	ECC	0.0121	0.02	0.0213	0.0215
	EM	0.0132	0.0223	0.0229	0.0234
	EMS	0.0096	0.016	0.0172	0.0164
	FIRE	0.0081	0.0145	0.013	0.0145
	LE	0.0099	0.019	0.0153	0.0174

Q12_8) Does your organization share either costs or resources with international/cross-border entities? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0013	0.0019	0.0022	0.0027
	ECC	0.0023	0.0035	NR	0.0064
	EM	0.0028	0.0041	0.0044	0.0062
	EMS	0.0022	0.0037	0.0049	NR
	FIRE	0.0021	0.0035	0.0044	0.0023
	LE	0.0017	0.0028	NR	0.0045
Resources	ALL	0.0038	0.0074	0.0058	0.0066
	ECC	0.007	0.0118	0.0123	0.0121
	EM	0.0075	0.0129	0.0121	0.0141
	EMS	0.0064	0.0124	0.0099	0.0106
	FIRE	0.0057	0.0117	0.0082	0.0096
	LE	0.007	0.0153	0.0102	0.0113

Q12_9) Does your organization share either costs or resources with no other agencies/organizations? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Costs	ALL	0.0064	0.0116	0.0104	0.0115
	ECC	0.0123	0.0229	0.0203	0.0206
	EM	0.0111	0.0205	0.0172	0.0195
	EMS	0.0116	0.0219	0.019	0.018
	FIRE	0.0102	0.0193	0.0167	0.0159
	LE	0.0105	0.02	0.0162	0.0187
Resources	ALL	0.0062	0.0114	0.0098	0.0109
	ECC	0.0111	0.0217	0.0171	0.0187
	EM	0.0105	0.0198	0.0152	0.0187
	EMS	0.0113	0.0219	0.018	0.0172
	FIRE	0.0099	0.019	0.0158	0.0159
	LE	0.0097	0.0186	0.0153	0.0166

Q13L) Select the response that best characterizes your organization’s strategic planning process for emergency communications. (SOR). Note: Responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria)

Answer Option	Discipline	All	Rural	Urban	Metro
No planning process or plan is in place	ALL	0.0075	0.0135	0.0126	0.0126
	ECC	0.0122	0.0232	0.0199	0.0195
	EM	0.0129	0.0232	0.0203	0.0225
	EMS	0.0136	0.0243	0.0229	0.0227
	FIRE	0.0121	0.0214	0.0199	0.0211
	LE	0.0121	0.0237	0.0207	0.018
A planning process is in in place and a plan for addressing emergency communications is under development	ALL	0.0079	0.0136	0.0132	0.0141
	ECC	0.0161	0.0281	0.0273	0.0282
	EM	0.0155	0.026	0.0271	0.0269
	EMS	0.0138	0.0239	0.0233	0.0241
	FIRE	0.0116	0.0202	0.0193	0.0206
	LE	0.0135	0.0252	0.0226	0.0225
A plan for addressing emergency communications is in place and operationalized by participating organizations	ALL	0.008	0.0131	0.0131	0.0155
	ECC	0.0161	0.0274	0.0261	0.03
	EM	0.0149	0.024	0.0255	0.0284
	EMS	0.0135	0.0216	0.0227	0.0258
	FIRE	0.0117	0.0192	0.0189	0.0229
	LE	0.0141	0.0243	0.0235	0.0252
A plan for addressing emergency communications is in place and is reviewed annually, after system upgrades and incidents/events that test organizational capabilities	ALL	0.0063	0.0096	0.0106	0.0129
	ECC	0.0139	0.0221	0.0243	0.0258
	EM	0.0132	0.0189	0.0234	0.0263
	EMS	0.0102	0.0155	0.0161	0.0217
	FIRE	0.0088	0.013	0.0143	0.0189
	LE	0.0118	0.0201	0.0194	0.0217

Q13a) Identify organizations included in your strategic planning processes for emergency communications.

(SATA) Note: quantities are proportions of local respondents that did not select "No planning process or plan is in place" on Q13L.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q13a.a)	ALL	0.0067	0.012	0.0107	0.0119
	ECC	0.0106	0.0207	0.0137	0.0204
	EM	0.0107	0.0202	0.0168	0.0181
	EMS	0.0116	0.0204	0.0193	0.0205
	FIRE	0.011	0.0203	0.0183	0.0183
	LE	0.0113	0.0217	0.0175	0.0197
Other government organizations in the same jurisdiction that support public safety (Q13a.b)	ALL	0.0086	0.0155	0.0143	0.015
	ECC	0.0148	0.0268	0.0236	0.0267
	EM	0.0146	0.026	0.0252	0.0242
	EMS	0.0154	0.0278	0.026	0.0261
	FIRE	0.0138	0.0256	0.0224	0.0237
	LE	0.0144	0.0277	0.0244	0.0234
Local governments (Q13a.c)	ALL	0.0097	0.0173	0.0163	0.0168
	ECC	0.0181	0.0324	0.0298	0.032
	EM	0.0172	0.0302	0.0284	0.0309
	EMS	0.0173	0.0315	0.0291	0.029
	FIRE	0.0154	0.0279	0.0258	0.0258
	LE	0.0162	0.0312	0.0273	0.026
State/territorial governments (Q13a.d)	ALL	0.0099	0.0174	0.0166	0.0177
	ECC	0.0187	0.0328	0.0312	0.0327
	EM	0.0184	0.0314	0.0309	0.0333
	EMS	0.0173	0.0307	0.0294	0.0297
	FIRE	0.0152	0.0267	0.0251	0.027
	LE	0.0168	0.0314	0.0284	0.0278
Federal departments/agencies (Q13a.e)	ALL	0.0071	0.012	0.0116	0.0134
	ECC	0.014	0.0236	0.0225	0.0267
	EM	0.0142	0.024	0.0225	0.0273
	EMS	0.0122	0.021	0.0206	0.022
	FIRE	0.0106	0.0186	0.0169	0.0197
	LE	0.0132	0.0228	0.0223	0.0231
Tribal governments/organizations (Q13a.f)	ALL	0.0041	0.0081	0.0071	0.0057
	ECC	0.0081	0.0159	0.0142	0.0113
	EM	0.0097	0.0176	0.0172	0.015
	EMS	0.0066	0.0141	0.0119	0.0067
	FIRE	0.0058	0.0134	0.0086	0.0076
	LE	0.0077	0.0157	0.0138	0.0108
NGO/private sector (Q13a.g)	ALL	0.0069	0.0116	0.0113	0.0128
	ECC	0.0138	0.0233	0.024	0.0241
	EM	0.015	0.0244	0.0257	0.0277
	EMS	0.0119	0.0204	0.0206	0.021
	FIRE	0.0098	0.0165	0.0156	0.0189

	LE	0.0111	0.0209	0.018	0.0192
International/cross-border entities (Q13a.h)	ALL	0.0023	0.0041	0.0032	0.0046
	ECC	0.0034	NR	0.0067	0.0075
	EM	0.0053	0.0095	0.0085	0.0098
	EMS	0.0034	0.008	0.0052	0.0039
	FIRE	0.003	0.0055	0.0055	0.0044
	LE	0.0041	0.0057	0.0056	0.0089
None of the above (Q13a.i)	ALL	0.0032	0.0058	0.0042	0.0064
	ECC	0.0062	0.0106	0.0094	0.012
	EM	0.0046	0.0095	0.0076	0.0063
	EMS	0.0062	0.0112	0.0063	0.0136
	FIRE	0.005	0.0094	0.0061	0.0102
	LE	0.0056	0.012	0.0073	0.0099

Q14_1.1) Does your organization's strategic planning process meet its needs to achieve communications operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0071	0.0129	0.0118	0.0115
	ECC	0.0112	0.0203	0.0197	0.0177
	EM	0.0128	0.0234	0.0215	0.0201
	EMS	0.0127	0.0227	0.0222	0.0206
	FIRE	0.0115	0.0203	0.0196	0.0195
	LE	0.0105	0.0211	0.0189	0.0136
No	ALL	0.0071	0.0129	0.0118	0.0115
	ECC	0.0112	0.0203	0.0197	0.0177
	EM	0.0128	0.0234	0.0215	0.0201
	EMS	0.0127	0.0227	0.0222	0.0206
	FIRE	0.0115	0.0203	0.0196	0.0195
	LE	0.0105	0.0211	0.0189	0.0136

Q14_1.2) Does your organization's strategic planning process meet its needs to achieve communications operability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0083	0.0145	0.0139	0.0141
	ECC	0.0146	0.0267	0.0246	0.0241
	EM	0.0153	0.0264	0.0259	0.0263
	EMS	0.0147	0.0255	0.0254	0.0249
	FIRE	0.013	0.0224	0.0217	0.0227
	LE	0.0129	0.0252	0.0224	0.0184
No	ALL	0.0083	0.0145	0.0139	0.0141
	ECC	0.0146	0.0267	0.0246	0.0241
	EM	0.0153	0.0264	0.0259	0.0263
	EMS	0.0147	0.0255	0.0254	0.0249
	FIRE	0.013	0.0224	0.0217	0.0227
	LE	0.0129	0.0252	0.0224	0.0184

Q14_2.1) Does your organization's strategic planning process meet its needs to achieve communications interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0078	0.014	0.0132	0.0131
	ECC	0.0131	0.0243	0.0225	0.0209
	EM	0.0144	0.0248	0.0251	0.0237
	EMS	0.014	0.0248	0.0241	0.0233
	FIRE	0.0124	0.0219	0.021	0.021
	LE	0.0119	0.023	0.0212	0.0163
No	ALL	0.0078	0.014	0.0132	0.0131
	ECC	0.0131	0.0243	0.0225	0.0209
	EM	0.0144	0.0248	0.0251	0.0237
	EMS	0.014	0.0248	0.0241	0.0233
	FIRE	0.0124	0.0219	0.021	0.021
	LE	0.0119	0.023	0.0212	0.0163

Q14_2.2) Does your organization's strategic planning process meet its needs to achieve communications interoperability in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0086	0.0148	0.0145	0.0152
	ECC	0.0162	0.0291	0.0274	0.0277
	EM	0.0162	0.0272	0.0276	0.029
	EMS	0.0151	0.0258	0.0258	0.0263
	FIRE	0.0132	0.0226	0.022	0.0238
	LE	0.0137	0.0259	0.0233	0.0214
No	ALL	0.0086	0.0148	0.0145	0.0152
	ECC	0.0162	0.0291	0.0274	0.0277
	EM	0.0162	0.0272	0.0276	0.029
	EMS	0.0151	0.0258	0.0258	0.0263
	FIRE	0.0132	0.0226	0.022	0.0238
	LE	0.0137	0.0259	0.0233	0.0214

Q14_3.1) Does your organization's strategic planning process meet its needs to achieve communications continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.008	0.0141	0.0134	0.0135
	ECC	0.0134	0.0239	0.0227	0.0232
	EM	0.0149	0.0257	0.0256	0.0254
	EMS	0.0143	0.0251	0.0244	0.024
	FIRE	0.0127	0.0221	0.0213	0.022
	LE	0.012	0.023	0.0215	0.0171
No	ALL	0.008	0.0141	0.0134	0.0135
	ECC	0.0134	0.0239	0.0227	0.0232
	EM	0.0149	0.0257	0.0256	0.0254
	EMS	0.0143	0.0251	0.0244	0.024
	FIRE	0.0127	0.0221	0.0213	0.022
	LE	0.012	0.023	0.0215	0.0171

Q14_3.2) Does your organization's strategic planning process meet its needs to achieve communications continuity in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0087	0.0148	0.0145	0.0156
	ECC	0.0165	0.0293	0.0275	0.0287
	EM	0.0165	0.0273	0.0281	0.03
	EMS	0.0152	0.0256	0.0259	0.027
	FIRE	0.0132	0.0225	0.022	0.0243
	LE	0.014	0.0262	0.024	0.0225
No	ALL	0.0087	0.0148	0.0145	0.0156
	ECC	0.0165	0.0293	0.0275	0.0287
	EM	0.0165	0.0273	0.0281	0.03
	EMS	0.0152	0.0256	0.0259	0.027
	FIRE	0.0132	0.0225	0.022	0.0243
	LE	0.014	0.0262	0.024	0.0225

Q15) Select the responses that apply to your organization's Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs). (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
No communications SOPs/SOGs currently exist (Q15.a)	ALL	0.0071	0.0132	0.0121	0.0105
	ECC	0.0109	0.021	0.0202	0.0143
	EM	0.0131	0.0234	0.0231	0.0198
	EMS	0.012	0.0223	0.0209	0.018
	FIRE	0.0109	0.02	0.0192	0.0153
	LE	0.0115	0.0239	0.0199	0.0159
Communications personnel SOPs/SOGs exist (e.g., mobilization, deployment, demobilization) (Q15.b)	ALL	0.0092	0.0157	0.0154	0.0167
	ECC	0.0177	0.0315	0.0297	0.0304
	EM	0.0174	0.0289	0.03	0.0317
	EMS	0.0159	0.0269	0.0271	0.0281
	FIRE	0.0139	0.0236	0.0232	0.025
	LE	0.0157	0.0289	0.0262	0.0265
Communications resources SOPs/SOGs exist (e.g., activation, deployment, deactivation) (Q15.c)	ALL	0.0091	0.0152	0.0153	0.0169
	ECC	0.0179	0.0311	0.0301	0.0312
	EM	0.0176	0.0287	0.0302	0.032
	EMS	0.0157	0.0259	0.027	0.0284
	FIRE	0.0136	0.0223	0.0228	0.0254
	LE	0.0156	0.0277	0.026	0.0268
SOPs/SOGs are updated on a regular basis (Q15.d)	ALL	0.0092	0.0153	0.0153	0.0167
	ECC	0.0176	0.0314	0.0298	0.0301
	EM	0.0175	0.0284	0.03	0.0321
	EMS	0.0158	0.0265	0.0268	0.028
	FIRE	0.0138	0.0229	0.023	0.0251
	LE	0.0157	0.0286	0.0261	0.0265

Q15a_1) Select the responses that best characterize your organization’s SOPs/SOGs within your organization.

(SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0077	0.0153	0.0128	0.0108
	ECC	0.0106	0.0204	0.0202	0.014
	EM	0.0154	0.0286	0.0268	0.0225
	EMS	0.0127	0.0255	0.0208	0.0183
	FIRE	0.0119	0.0231	0.021	0.0166
	LE	0.0106	0.0243	0.0185	0.0123
Formal policies practices/procedures enable “day-to-day” situations' interoperability	ALL	0.0104	0.0182	0.0177	0.0184
	ECC	0.0193	0.0341	0.033	0.0326
	EM	0.0196	0.0326	0.0344	0.0347
	EMS	0.0179	0.0312	0.0306	0.031
	FIRE	0.0158	0.0273	0.027	0.0276
	LE	0.0175	0.0327	0.0294	0.029
Formal policies/practices/procedures enable “out-of-the-ordinary” situations' interoperability	ALL	0.009	0.0142	0.0152	0.0168
	ECC	0.0181	0.031	0.0306	0.032
	EM	0.017	0.025	0.0302	0.0328
	EMS	0.0146	0.0229	0.0252	0.0269
	FIRE	0.0122	0.018	0.0208	0.0238
	LE	0.0158	0.0267	0.0265	0.0276
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.006	0.0097	0.0093	0.0118
	ECC	0.0118	0.0175	0.0206	0.0224
	EM	0.0111	0.0159	0.0203	0.0216
	EMS	0.0107	0.0179	0.0168	0.0207
	FIRE	0.0091	0.0151	0.0142	0.0177
	LE	0.0098	0.0153	0.0159	0.0182
Not applicable	ALL	0.0014	0.0032	0.0013	0.0027
	ECC	NR	NR	NR	NR
	EM	0.0037	0.0094	NR	0.0049
	EMS	0.0026	0.0055	0.0038	0.0039
	FIRE	0.0022	0.0043	0.003	0.0043
	LE	0.0024	0.0044	NR	0.0058

Q15a_2) Select the responses that best characterize your organization's SOPs/SOGs with other public safety disciplines in the same jurisdiction. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0089	0.0166	0.0151	0.0142
	ECC	0.0152	0.0287	0.0268	0.0231
	EM	0.0167	0.03	0.0298	0.0255
	EMS	0.0155	0.0295	0.0263	0.0237
	FIRE	0.0138	0.0255	0.0246	0.0202
	LE	0.0143	0.0291	0.0243	0.0213
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.0085	0.0132	0.0141	0.0163
	ECC	0.0167	0.0277	0.028	0.0304
	EM	0.0166	0.0259	0.0281	0.032
	EMS	0.0135	0.0201	0.0232	0.0258
	FIRE	0.0115	0.0151	0.0198	0.0232
	LE	0.0147	0.0246	0.0243	0.0263
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0085	0.0132	0.0141	0.0163
	ECC	0.0167	0.0277	0.028	0.0304
	EM	0.0166	0.0259	0.0281	0.032
	EMS	0.0135	0.0201	0.0232	0.0258
	FIRE	0.0115	0.0151	0.0198	0.0232
	LE	0.0147	0.0246	0.0243	0.0263
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0052	0.0081	0.0079	0.0107
	ECC	0.0103	0.0162	0.016	0.0204
	EM	0.0094	0.0122	0.0162	0.0201
	EMS	0.0089	0.0144	0.0126	0.0183
	FIRE	0.0073	0.0127	0.0106	0.0146
	LE	0.0089	0.0133	0.0148	0.0168
Not applicable	ALL	0.0034	0.0065	0.0053	0.0061
	ECC	0.0048	0.0083	0.0076	0.0087
	EM	0.0044	0.0106	0.0068	NR
	EMS	0.006	0.0104	0.0108	0.0102
	FIRE	0.006	0.0109	0.0097	0.0106
	LE	0.0059	0.0126	0.0092	0.0097

Q15a_3) Select the responses that best characterize your organization's SOPs/SOGs with other government organizations in the same jurisdiction that support public safety. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0096	0.0174	0.0164	0.0158
	ECC	0.0174	0.0313	0.0309	0.028
	EM	0.0177	0.0315	0.0308	0.0279
	EMS	0.0166	0.0304	0.0286	0.0267
	FIRE	0.0146	0.0268	0.0252	0.0232
	LE	0.0158	0.0314	0.0265	0.025
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.0082	0.0127	0.0137	0.0159
	ECC	0.0157	0.0252	0.0263	0.0293
	EM	0.0163	0.0255	0.0283	0.0309
	EMS	0.0127	0.0183	0.0222	0.0247
	FIRE	0.0106	0.0129	0.0183	0.0222
	LE	0.0146	0.0233	0.0238	0.0267
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0082	0.0127	0.0137	0.0159
	ECC	0.0157	0.0252	0.0263	0.0293
	EM	0.0163	0.0255	0.0283	0.0309
	EMS	0.0127	0.0183	0.0222	0.0247
	FIRE	0.0106	0.0129	0.0183	0.0222
	LE	0.0146	0.0233	0.0238	0.0267
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0049	0.0083	0.0076	0.0094
	ECC	0.0088	0.015	0.0143	0.0162
	EM	0.0091	0.0129	0.015	0.0191
	EMS	0.0087	0.0145	0.0132	0.017
	FIRE	0.0072	0.0132	0.0107	0.0136
	LE	0.008	0.0135	0.0146	0.0131
Not applicable	ALL	0.0046	0.0084	0.0071	0.0086
	ECC	0.0073	0.0126	0.013	0.0124
	EM	0.006	0.0097	0.0107	0.011
	EMS	0.0084	0.0155	0.0147	0.0134
	FIRE	0.0076	0.0138	0.0128	0.0129
	LE	0.0069	0.0111	0.0099	0.0139

Q15a_4) Select the responses that best characterize your organization's SOPs/SOGs with local governments.

(SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0101	0.0183	0.0171	0.0167
	ECC	0.0183	0.0339	0.0314	0.0298
	EM	0.0189	0.0327	0.0329	0.0317
	EMS	0.0175	0.0318	0.0302	0.028
	FIRE	0.0154	0.0282	0.0263	0.0245
	LE	0.0166	0.0332	0.028	0.0258
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.0077	0.0123	0.0123	0.0152
	ECC	0.015	0.0239	0.0244	0.0284
	EM	0.0156	0.0251	0.0263	0.0297
	EMS	0.0125	0.0203	0.0203	0.0239
	FIRE	0.0102	0.0132	0.0168	0.0213
	LE	0.0136	0.023	0.0206	0.0255
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0077	0.0123	0.0123	0.0152
	ECC	0.015	0.0239	0.0244	0.0284
	EM	0.0156	0.0251	0.0263	0.0297
	EMS	0.0125	0.0203	0.0203	0.0239
	FIRE	0.0102	0.0132	0.0168	0.0213
	LE	0.0136	0.023	0.0206	0.0255
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0046	0.0081	0.0071	0.009
	ECC	0.0082	0.0153	0.0137	0.0139
	EM	0.009	0.0123	0.015	0.0193
	EMS	0.0083	0.0151	0.0122	0.0157
	FIRE	0.007	0.0125	0.0095	0.014
	LE	0.0072	0.0122	0.0131	0.0119
Not applicable	ALL	0.0058	0.0094	0.0099	0.0108
	ECC	0.0097	0.0119	0.0161	0.0201
	EM	0.0082	0.0123	0.0157	0.0147
	EMS	0.0105	0.016	0.0188	0.0195
	FIRE	0.0096	0.016	0.0168	0.0169
	LE	0.0091	0.0137	0.0162	0.0162

Q15a_5) Select the responses that best characterize your organization's SOPs/SOGs with state/territorial governments. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0101	0.0182	0.0171	0.017
	ECC	0.0184	0.0335	0.0321	0.0299
	EM	0.0183	0.0318	0.0319	0.0312
	EMS	0.0178	0.0314	0.0307	0.0303
	FIRE	0.0157	0.0281	0.0267	0.0265
	LE	0.0167	0.0334	0.0282	0.0258
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.3127	0.3138	0.3271	0.2958
	ECC	0.3481	0.375	0.3378	0.3349
	EM	0.3545	0.375	0.3659	0.3196
	EMS	0.2978	0.3077	0.332	0.2532
	FIRE	0.3024	0.3098	0.3238	0.273
	LE	0.3508	0.3861	0.3333	0.342
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0082	0.0138	0.0133	0.0156
	ECC	0.0155	0.0266	0.0263	0.0274
	EM	0.0165	0.0274	0.0271	0.0312
	EMS	0.0127	0.0202	0.0203	0.025
	FIRE	0.011	0.017	0.0177	0.0219
	LE	0.014	0.025	0.0218	0.0255
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0045	0.0088	0.0069	0.0078
	ECC	0.0071	0.0144	0.01	0.0127
	EM	0.0093	0.0156	0.0157	0.0173
	EMS	0.0084	0.017	0.0122	0.0142
	FIRE	0.0071	0.0149	0.0089	0.0124
	LE	0.0069	0.0145	0.0119	0.0097
Not applicable	ALL	0.0079	0.0129	0.0132	0.0147
	ECC	0.0129	0.0225	0.0196	0.0246
	EM	0.0111	0.0136	0.0207	0.0228
	EMS	0.0142	0.0236	0.0242	0.0257
	FIRE	0.0127	0.0206	0.0224	0.0225
	LE	0.0127	0.019	0.0218	0.023

Q15a_6) Select the responses that best characterize your organization's SOPs/SOGs with federal departments/agencies. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0108	0.019	0.0186	0.0186
	ECC	0.0203	0.0368	0.0353	0.0324
	EM	0.0205	0.0342	0.0363	0.0363
	EMS	0.0186	0.032	0.0322	0.0326
	FIRE	0.0165	0.0288	0.0282	0.0286
	LE	0.0181	0.0346	0.0308	0.0287
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.0086	0.015	0.0142	0.0154
	ECC	0.0169	0.0315	0.0252	0.0306
	EM	0.0172	0.0283	0.0298	0.0315
	EMS	0.0145	0.026	0.0262	0.0224
	FIRE	0.0128	0.0231	0.0226	0.0207
	LE	0.0154	0.0294	0.0246	0.0265
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0071	0.0122	0.0112	0.0136
	ECC	0.0127	0.024	0.0197	0.0222
	EM	0.0149	0.0251	0.0249	0.0272
	EMS	0.0115	0.0207	0.0171	0.0217
	FIRE	0.0101	0.0173	0.0153	0.0195
	LE	0.0121	0.0231	0.016	0.0233
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0037	0.0075	0.0059	0.006
	ECC	0.0064	0.0116	0.0121	0.0095
	EM	0.0074	0.0112	0.0134	0.0139
	EMS	0.0067	0.0121	0.0107	0.012
	FIRE	0.0062	0.0125	0.0089	0.0105
	LE	0.0057	0.0129	0.0102	0.0068
Not applicable	ALL	0.0106	0.0189	0.0178	0.0187
	ECC	0.0185	0.0346	0.0306	0.0311
	EM	0.0185	0.0315	0.0323	0.0326
	EMS	0.0187	0.0328	0.0315	0.0328
	FIRE	0.0164	0.0291	0.0277	0.0286
	LE	0.0174	0.034	0.0286	0.0289

Q15a_7) Select the responses that best characterize your organization's SOPs/SOGs with tribal governments/organizations. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0111	0.0192	0.0189	0.0194
	ECC	0.0209	0.0388	0.0359	0.0338
	EM	0.0212	0.0355	0.0369	0.0374
	EMS	0.019	0.0325	0.0326	0.0332
	FIRE	0.0166	0.0286	0.0284	0.0291
	LE	0.0185	0.0359	0.0306	0.0306
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.0067	0.0121	0.0112	0.0112
	ECC	0.0137	0.029	0.0213	0.0211
	EM	0.0144	0.0227	0.0264	0.0262
	EMS	0.0113	0.0203	0.0204	0.0173
	FIRE	0.0104	0.0197	0.0185	0.0152
	LE	0.0119	0.0249	0.0186	0.0193
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0056	0.0104	0.0088	0.0102
	ECC	0.0107	0.0211	0.0131	0.0206
	EM	0.012	0.0206	0.0212	0.0205
	EMS	0.0087	0.0171	0.0142	0.0137
	FIRE	0.0072	0.0139	0.0113	0.0124
	LE	0.0105	0.0223	0.0146	0.0185
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0027	0.0057	0.0043	0.0042
	ECC	0.0033	0.0089	0.0054	NR
	EM	0.0055	0.0092	0.0102	0.009
	EMS	0.0045	0.0097	0.0065	0.007
	FIRE	0.0044	0.01	0.0049	0.0076
	LE	0.0041	0.0112	0.0059	0.0043
Not applicable	ALL	0.0117	0.0204	0.0195	0.0206
	ECC	0.0217	0.0382	0.0368	0.0366
	EM	0.0219	0.0361	0.0377	0.04
	EMS	0.02	0.035	0.0338	0.035
	FIRE	0.0175	0.0309	0.0294	0.0308
	LE	0.0196	0.0371	0.0323	0.0329

Q15a_8) Select the responses that best characterize your organization's SOPs/SOGs with NGOs/private sector.

(SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0111	0.0195	0.0189	0.0195
	ECC	0.0205	0.037	0.0357	0.034
	EM	0.0212	0.0352	0.0369	0.0383
	EMS	0.0191	0.0331	0.0328	0.0332
	FIRE	0.0169	0.0299	0.0287	0.0293
	LE	0.0185	0.0359	0.0307	0.0302
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.0077	0.0136	0.0128	0.0138
	ECC	0.0157	0.0299	0.0239	0.0277
	EM	0.0164	0.0263	0.0284	0.0308
	EMS	0.0133	0.0232	0.0239	0.0217
	FIRE	0.0115	0.0204	0.0209	0.0181
	LE	0.0135	0.0252	0.0215	0.0235
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.006	0.0105	0.0097	0.0108
	ECC	0.0119	0.0239	0.0188	0.0194
	EM	0.0119	0.0205	0.0222	0.0184
	EMS	0.0093	0.0158	0.0163	0.0164
	FIRE	0.0076	0.0122	0.0126	0.0146
	LE	0.0103	0.0211	0.0153	0.018
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.003	0.0058	0.0049	0.0051
	ECC	0.0053	0.0102	0.0103	0.0071
	EM	0.0072	0.0123	0.0133	0.0118
	EMS	0.0051	0.0093	0.0089	0.0081
	FIRE	0.0045	0.0098	0.0049	0.0081
	LE	0.0047	0.0095	0.007	0.0082
Not applicable	ALL	0.0112	0.0196	0.0187	0.0198
	ECC	0.0202	0.0364	0.0345	0.0343
	EM	0.0192	0.0323	0.0321	0.0352
	EMS	0.0193	0.0338	0.0325	0.034
	FIRE	0.0171	0.0301	0.0288	0.0301
	LE	0.019	0.0363	0.0317	0.0315

Q15a_9) Select the responses that best characterize your organization's SOPs/SOGs with international/cross-border entities. (SOR) Note: Reading from top to bottom, the first four responses are progressive (i.e., to select the fourth response, an organization must have surpassed all of the first three response criteria). Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Informal practices and procedures are in place	ALL	0.0111	0.0195	0.0187	0.0197
	ECC	0.021	0.0389	0.0359	0.0347
	EM	0.0216	0.0362	0.0371	0.0388
	EMS	0.019	0.0329	0.0323	0.0337
	FIRE	0.0168	0.0293	0.0281	0.0297
	LE	0.0186	0.0362	0.0302	0.0313
Formal policies practices/procedures enable "day-to-day" situations' interoperability	ALL	0.006	0.0106	0.0105	0.0098
	ECC	0.0119	0.0237	0.0192	0.0192
	EM	0.0115	0.0177	0.022	0.02
	EMS	0.0103	0.0189	0.0197	0.0139
	FIRE	0.0092	0.0168	0.018	0.012
	LE	0.0106	0.0213	0.0182	0.0162
Formal policies/practices/procedures enable "out-of-the-ordinary" situations' interoperability	ALL	0.0049	0.0091	0.0077	0.0088
	ECC	0.0094	0.0191	0.0133	0.0165
	EM	0.0102	0.0169	0.0191	0.0169
	EMS	0.0075	0.0144	0.0136	0.0099
	FIRE	0.0062	0.0115	0.0104	0.0101
	LE	0.0087	0.0199	0.0116	0.0146
Processes for SOP/SOG development and review exist for consistency across responders	ALL	0.0021	0.0041	0.0037	0.003
	ECC	0.0027	0.0063	0.0055	NR
	EM	0.0034	0.0055	0.0084	NR
	EMS	0.0039	0.0069	0.008	0.005
	FIRE	0.0033	0.0067	0.0049	0.0054
	LE	0.0027	0.0057	0.0042	0.0043
Not applicable	ALL	0.0117	0.0206	0.0196	0.0207
	ECC	0.0218	0.039	0.0371	0.0365
	EM	0.0223	0.037	0.0385	0.0404
	EMS	0.02	0.035	0.034	0.0349
	FIRE	0.0176	0.0311	0.0297	0.0307
	LE	0.0197	0.0379	0.0321	0.0328

Q15b) Select the guidelines or standards that have influenced your organization's communications SOPs/SOGs. (SATA) Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Local guidance (Q15b.a)	ALL	0.0057	0.0108	0.0096	0.0094
	ECC	0.0086	0.0154	0.0134	0.0156
	EM	0.0105	0.0195	0.0168	0.0178
	EMS	0.0088	0.0177	0.0148	0.0126
	FIRE	0.0089	0.0173	0.0158	0.0124
	LE	0.0101	0.0212	0.0161	0.0159
State guidance (Q15b.b)	ALL	0.0086	0.015	0.0142	0.0154
	ECC	0.0132	0.0236	0.0221	0.0229
	EM	0.0147	0.0232	0.025	0.0282
	EMS	0.0154	0.0273	0.0243	0.028
	FIRE	0.0143	0.0248	0.0239	0.0255
	LE	0.013	0.0241	0.0223	0.0215
Territorial guidance (Q15b.c)	ALL	0.0037	0.0065	0.0065	0.0063
	ECC	0.0073	0.0133	0.0127	0.012
	EM	0.0079	0.0121	0.0133	0.0159
	EMS	0.0074	0.011	0.0148	0.0121
	FIRE	0.006	0.0104	0.01	0.0109
	LE	0.0067	0.013	0.0119	0.01
National/federal guidance (Q15b.d)	ALL	0.0105	0.0181	0.0177	0.0183
	ECC	0.019	0.0346	0.0323	0.0311
	EM	0.0194	0.033	0.034	0.0323
	EMS	0.018	0.0307	0.0309	0.0311
	FIRE	0.0158	0.0264	0.0268	0.0278
	LE	0.0175	0.0331	0.0295	0.0284
Tribal guidance (Q15b.e)	ALL	0.0029	0.0065	0.0043	0.0038
	ECC	0.0064	0.0133	0.012	0.0074
	EM	0.0069	0.0153	0.0068	0.0109
	EMS	0.0051	0.011	0.0092	0.0055
	FIRE	0.0047	0.0112	0.0065	0.0053
	LE	0.0052	0.0115	0.0085	0.0075
Industry guidance (e.g., vendor, provider, trade organization) (Q15b.f)	ALL	0.0096	0.0155	0.0161	0.0177
	ECC	0.0191	0.0337	0.0327	0.0327
	EM	0.0185	0.0291	0.0314	0.0347
	EMS	0.0164	0.0259	0.0288	0.0297
	FIRE	0.0137	0.0216	0.0229	0.0259
	LE	0.0162	0.0289	0.0272	0.0278
None of the above (Q15b.g)	ALL	0.0027	0.0053	0.0039	0.0049
	ECC	0.003	0.0048	0.0043	0.0061
	EM	0.0038	0.0087	NR	0.0069
	EMS	0.0051	0.011	0.0076	0.0077
	FIRE	0.0054	0.0112	0.0087	0.0081
	LE	0.0033	0.0076	0.0049	0.0048

Q15d) Select the topics that are included in your organization's SOPs/SOGs. (SATA) Note: quantities are proportions of local respondents that did not select "No communications SOPs/SOGs currently exist" on Q15.

Answer Option	Discipline	All	Rural	Urban	Metro
Land Mobile Radio (LMR) (Q15d.a)	ALL	0.0099	0.0171	0.0166	0.018
	ECC	0.0183	0.0331	0.0311	0.0311
	EM	0.0179	0.0299	0.0302	0.0331
	EMS	0.0166	0.0294	0.0272	0.0295
	FIRE	0.0149	0.0256	0.025	0.0269
	LE	0.0174	0.0321	0.029	0.0293
Broadband (Q15d.b)	ALL	0.0096	0.0165	0.0161	0.0175
	ECC	0.0173	0.0318	0.0289	0.029
	EM	0.0189	0.0308	0.0327	0.0346
	EMS	0.0165	0.0281	0.029	0.0285
	FIRE	0.0138	0.0233	0.0236	0.025
	LE	0.017	0.0322	0.028	0.0286
Project 25 (P25) encryption (Q15d.c)	ALL	0.0102	0.0166	0.0174	0.0187
	ECC	0.0194	0.0318	0.0334	0.0331
	EM	0.0201	0.0325	0.0351	0.0354
	EMS	0.0171	0.0268	0.0295	0.0311
	FIRE	0.0151	0.0236	0.0257	0.028
	LE	0.0174	0.0307	0.0291	0.0295
Social media (Q15d.d)	ALL	0.0105	0.0187	0.0177	0.0179
	ECC	0.0183	0.0333	0.0307	0.0311
	EM	0.0198	0.0335	0.0348	0.0336
	EMS	0.0182	0.0319	0.0313	0.0303
	FIRE	0.0161	0.0277	0.0274	0.0272
	LE	0.0173	0.0332	0.0293	0.0277
Cybersecurity (Q15d.e)	ALL	0.0106	0.0179	0.0179	0.0188
	ECC	0.0187	0.0338	0.0313	0.0318
	EM	0.0201	0.0335	0.0351	0.0356
	EMS	0.0178	0.0296	0.0307	0.0315
	FIRE	0.0152	0.0238	0.0256	0.0282
	LE	0.0175	0.0341	0.0292	0.0281
Priority Telecommunications Services (Q15d.f)	ALL	0.0098	0.0167	0.0163	0.018
	ECC	0.0193	0.0346	0.0331	0.0327
	EM	0.0195	0.0319	0.0331	0.0356
	EMS	0.0163	0.0283	0.0271	0.029
	FIRE	0.0135	0.0224	0.0217	0.0258
	LE	0.0174	0.0331	0.0288	0.0291
Next Generation 911 (NG911) (Q15d.g)	ALL	0.0102	0.0174	0.0171	0.0183
	ECC	0.0193	0.0347	0.0329	0.0328
	EM	0.0198	0.033	0.0345	0.0354
	EMS	0.0165	0.0278	0.0287	0.0292
	FIRE	0.0142	0.0232	0.0245	0.0261
	LE	0.0178	0.0334	0.0297	0.0297

Alerts, warnings, and notifications (e.g., Wireless Emergency Alert, Emergency Alert System) (Q15d.h)	ALL	0.0103	0.0182	0.0171	0.0182
	ECC	0.0171	0.0297	0.0284	0.0303
	EM	0.0171	0.0291	0.0287	0.0309
	EMS	0.0181	0.0318	0.0307	0.0314
	FIRE	0.0161	0.0279	0.0272	0.0283
	LE	0.0167	0.0317	0.0275	0.0281
Continuity of communications (e.g., resiliency, redundancy, primary/secondary/backup) (Q15d.i)	ALL	0.0106	0.0186	0.0179	0.0186
	ECC	0.017	0.0307	0.0293	0.0285
	EM	0.0194	0.0331	0.0339	0.0338
	EMS	0.0182	0.0315	0.0313	0.0316
	FIRE	0.0158	0.0264	0.027	0.0284
	LE	0.0177	0.0341	0.0296	0.0284
Physical security (Q15d.j)	ALL	0.0106	0.0177	0.0178	0.0188
	ECC	0.018	0.0335	0.0296	0.0302
	EM	0.0199	0.0323	0.0349	0.0357
	EMS	0.0171	0.0268	0.0298	0.0309
	FIRE	0.0146	0.0226	0.0252	0.0271
	LE	0.0174	0.0342	0.029	0.0272
Position, navigation, and timing (PNT) (Q15d.k)	ALL	0.0049	0.0086	0.0083	0.0089
	ECC	0.0121	0.0214	0.0207	0.0207
	EM	0.0101	0.0169	0.0189	0.0164
	EMS	0.0092	0.0175	0.0152	0.0151
	FIRE	0.0071	0.0132	0.0114	0.0122
	LE	0.0089	0.0194	0.014	0.0137
None of the above (Q15d.l)	ALL	0.0042	0.0086	0.0069	0.006
	ECC	0.0034	0.0083	0.0045	0.0044
	EM	0.0064	0.0126	0.0109	0.0088
	EMS	0.0075	0.0167	0.011	0.0105
	FIRE	0.0073	0.0152	0.0114	0.0105
	LE	0.0057	0.0122	0.0107	0.007

Q16_1.1) Do your organization's SOPs/SOGs sufficiently support its need to achieve communications operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0073	0.0134	0.0126	0.0111
	ECC	0.0116	0.0223	0.0216	0.0146
	EM	0.014	0.0248	0.0245	0.0211
	EMS	0.0121	0.0218	0.0222	0.0178
	FIRE	0.0113	0.0201	0.0199	0.0173
	LE	0.0117	0.0244	0.0199	0.0158
No	ALL	0.0073	0.0134	0.0126	0.0111
	ECC	0.0116	0.0223	0.0216	0.0146
	EM	0.014	0.0248	0.0245	0.0211
	EMS	0.0121	0.0218	0.0222	0.0178
	FIRE	0.0113	0.0201	0.0199	0.0173
	LE	0.0117	0.0244	0.0199	0.0158

Q16_1.2) Do your organization's SOPs/SOGs sufficiently support its need to achieve communications operability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0088	0.0157	0.0148	0.0146
	ECC	0.0155	0.0292	0.0256	0.0249
	EM	0.0168	0.0288	0.0286	0.0276
	EMS	0.0155	0.0275	0.0263	0.0258
	FIRE	0.0138	0.024	0.0233	0.023
	LE	0.014	0.0283	0.0234	0.0198
No	ALL	0.0088	0.0157	0.0148	0.0146
	ECC	0.0155	0.0292	0.0256	0.0249
	EM	0.0168	0.0288	0.0286	0.0276
	EMS	0.0155	0.0275	0.0263	0.0258
	FIRE	0.0138	0.024	0.0233	0.023
	LE	0.014	0.0283	0.0234	0.0198

Q16_2.1) Do your organization's SOPs/SOGs sufficiently support its need to achieve communications interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0084	0.015	0.0142	0.0133
	ECC	0.014	0.0255	0.0254	0.0205
	EM	0.0159	0.0273	0.0278	0.0261
	EMS	0.0145	0.0258	0.0254	0.0232
	FIRE	0.0131	0.0231	0.0226	0.0205
	LE	0.0131	0.0264	0.0221	0.019
No	ALL	0.0084	0.015	0.0142	0.0133
	ECC	0.014	0.0255	0.0254	0.0205
	EM	0.0159	0.0273	0.0278	0.0261
	EMS	0.0145	0.0258	0.0254	0.0232
	FIRE	0.0131	0.0231	0.0226	0.0205
	LE	0.0131	0.0264	0.0221	0.019

Q16_2.2) Do your organization's SOPs/SOGs sufficiently support its need to achieve communications interoperability in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0094	0.0161	0.0157	0.0162
	ECC	0.0175	0.0318	0.0291	0.0289
	EM	0.0176	0.0292	0.0303	0.0309
	EMS	0.0163	0.0282	0.0277	0.0286
	FIRE	0.0144	0.0244	0.024	0.0254
	LE	0.0152	0.0295	0.0254	0.0238
No	ALL	0.0094	0.0161	0.0157	0.0162
	ECC	0.0175	0.0318	0.0291	0.0289
	EM	0.0176	0.0292	0.0303	0.0309
	EMS	0.0163	0.0282	0.0277	0.0286
	FIRE	0.0144	0.0244	0.024	0.0254
	LE	0.0152	0.0295	0.0254	0.0238

Q16_3.1) Do your organization's SOPs/SOGs sufficiently support its need to achieve communications continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0086	0.0152	0.0145	0.0142
	ECC	0.0143	0.0258	0.0254	0.0226
	EM	0.0163	0.0277	0.0286	0.0274
	EMS	0.015	0.0266	0.0256	0.0252
	FIRE	0.0135	0.0235	0.0229	0.0226
	LE	0.0134	0.0267	0.0222	0.0206
No	ALL	0.0086	0.0152	0.0145	0.0142
	ECC	0.0143	0.0258	0.0254	0.0226
	EM	0.0163	0.0277	0.0286	0.0274
	EMS	0.015	0.0266	0.0256	0.0252
	FIRE	0.0135	0.0235	0.0229	0.0226
	LE	0.0134	0.0267	0.0222	0.0206

Q16_3.2) Do your organization's SOPs/SOGs sufficiently support its need to achieve communications continuity in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0094	0.0162	0.0158	0.0168
	ECC	0.0174	0.0316	0.0293	0.029
	EM	0.0177	0.0292	0.0305	0.0321
	EMS	0.0164	0.0282	0.0276	0.0292
	FIRE	0.0144	0.0244	0.024	0.0262
	LE	0.0155	0.0295	0.0259	0.025
No	ALL	0.0094	0.0162	0.0158	0.0168
	ECC	0.0174	0.0316	0.0293	0.029
	EM	0.0177	0.0292	0.0305	0.0321
	EMS	0.0164	0.0282	0.0276	0.0292
	FIRE	0.0144	0.0244	0.024	0.0262
	LE	0.0155	0.0295	0.0259	0.025

Q17) Select the interoperability solutions your organization employs, regardless of whether the systems in use are owned, shared, or subscription-based. (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Channel/console crossing-patching (Q17.a)	ALL	0.0095	0.0166	0.0159	0.0166
	ECC	0.013	0.0257	0.0208	0.0206
	EM	0.0174	0.0298	0.0293	0.0298
	EMS	0.0165	0.0289	0.0281	0.0279
	FIRE	0.0147	0.0252	0.0245	0.0253
	LE	0.0158	0.0299	0.0265	0.0255
Cloud-based environment (Q17.b)	ALL	0.0081	0.0122	0.0132	0.0166
	ECC	0.0168	0.0286	0.0278	0.0306
	EM	0.0164	0.0238	0.0277	0.0331
	EMS	0.0138	0.0211	0.0235	0.0265
	FIRE	0.0113	0.0157	0.0183	0.024
	LE	0.0151	0.0252	0.0249	0.0275
Commercial wireless equipment (e.g., bring your own device) (Q17.c)	ALL	0.0088	0.015	0.0145	0.0162
	ECC	0.0164	0.0285	0.0281	0.0284
	EM	0.0173	0.0278	0.03	0.0324
	EMS	0.0152	0.0263	0.0248	0.0278
	FIRE	0.0131	0.0223	0.021	0.0249
	LE	0.0141	0.026	0.0233	0.0242
Commercial wireless equipment (e.g., government furnished equipment) (Q17.d)	ALL	0.009	0.0145	0.0151	0.0173
	ECC	0.018	0.0311	0.03	0.0322
	EM	0.0178	0.0281	0.0303	0.0337
	EMS	0.0149	0.0239	0.0252	0.0281
	FIRE	0.0127	0.0204	0.0206	0.0252
	LE	0.0159	0.0271	0.0272	0.0278
Commercial wireless service offering (e.g., mission critical push-to-talk [MCPTT], direct mode) (Q17.e)	ALL	0.0059	0.0093	0.0094	0.0121
	ECC	0.0132	0.0216	0.0211	0.0257
	EM	0.012	0.0184	0.0199	0.0245
	EMS	0.0103	0.0159	0.0169	0.0206
	FIRE	0.008	0.0128	0.0125	0.0163
	LE	0.0107	0.0178	0.0171	0.0204
Common applications (e.g., use of same or compatible applications to share data) (Q17.f)	ALL	0.0078	0.012	0.013	0.0157
	ECC	0.0174	0.0298	0.0282	0.0317
	EM	0.0157	0.0236	0.0275	0.031
	EMS	0.0127	0.0176	0.0214	0.0258
	FIRE	0.0108	0.0158	0.0178	0.0224
	LE	0.0139	0.0227	0.0229	0.0256
Console-to-console intercom interconnections (e.g., center-to-center voice and data) (Q17.g)	ALL	0.0074	0.0116	0.0122	0.0148
	ECC	0.0171	0.0294	0.029	0.0302
	EM	0.0149	0.0224	0.0258	0.0298
	EMS	0.0126	0.0193	0.0216	0.0242
	FIRE	0.0106	0.0164	0.0166	0.0223

	LE	0.0138	0.0257	0.0222	0.0242
Cross band repeaters (Q17.h)	ALL	0.0082	0.0128	0.0135	0.0164
	ECC	0.0163	0.0279	0.0268	0.0299
	EM	0.0163	0.0238	0.0278	0.0327
	EMS	0.014	0.0205	0.0243	0.0271
	FIRE	0.0125	0.0187	0.0212	0.0246
	LE	0.014	0.0248	0.0225	0.0253
Custom-interfaced applications (e.g., custom linking of proprietary applications or use of middleware to share data) (Q17.i)	ALL	0.0048	0.0061	0.0075	0.011
	ECC	0.0118	0.0158	0.0199	0.0241
	EM	0.0094	0.0088	0.014	0.0245
	EMS	0.0078	0.0067	0.0139	0.0175
	FIRE	0.0061	0.0062	0.0095	0.0151
	LE	0.0086	0.0118	0.0137	0.0175
Data exchange hubs (e.g., computer-aided dispatch [CAD]-to-CAD, integrated message switching systems [MSS]) (Q17.j)	ALL	0.0084	0.013	0.0139	0.0166
	ECC	0.0181	0.0322	0.03	0.0318
	EM	0.0164	0.0248	0.0282	0.0323
	EMS	0.0141	0.0218	0.0227	0.0279
	FIRE	0.0117	0.0182	0.0178	0.0248
	LE	0.0154	0.0265	0.0255	0.0276
Deployable audio/gateway switch (Q17.k)	ALL	0.0056	0.0073	0.0094	0.0123
	ECC	0.0134	0.0205	0.0221	0.0263
	EM	0.0131	0.0162	0.0226	0.0288
	EMS	0.0099	0.0136	0.0164	0.0208
	FIRE	0.008	0.0111	0.0131	0.0171
	LE	0.0097	0.0148	0.0143	0.02
Deployable site infrastructure (e.g., cell on wheels [COW]/cell on light truck [COLT], transportable land-mobile radio) (Q17.l)	ALL	0.0057	0.0079	0.0093	0.0124
	ECC	0.0127	0.0177	0.0202	0.0263
	EM	0.0118	0.0156	0.0205	0.0256
	EMS	0.0093	0.0105	0.0169	0.0194
	FIRE	0.0082	0.0103	0.0135	0.0185
	LE	0.0096	0.0129	0.0176	0.0178
Established channel sharing agreements (Q17.m)	ALL	0.0093	0.0152	0.0155	0.0177
	ECC	0.0185	0.0316	0.0312	0.0325
	EM	0.0177	0.0279	0.0307	0.0334
	EMS	0.0156	0.0245	0.0264	0.0293
	FIRE	0.0137	0.0216	0.0229	0.0264
	LE	0.0163	0.0282	0.0271	0.0287
Fixed audio/gateway switch (Q17.n)	ALL	0.0081	0.0126	0.0136	0.0158
	ECC	0.0182	0.0317	0.0308	0.0318
	EM	0.0166	0.0256	0.0287	0.0323
	EMS	0.0133	0.0201	0.0227	0.0259
	FIRE	0.0114	0.0167	0.019	0.0235
	LE	0.0146	0.0245	0.0246	0.0259
Inter-Radio Frequency (RF) Subsystem Interface (ISSI)/Console Subsystem Interface (CSSI) (Q17.o)	ALL	0.0056	0.0079	0.0084	0.0126
	ECC	0.0136	0.0198	0.0205	0.0282
	EM	0.0113	0.0152	0.0178	0.0259
	EMS	0.0092	0.0128	0.0145	0.0199
	FIRE	0.0079	0.0106	0.0117	0.0184
	LE	0.0102	0.0144	0.0166	0.0204

Mobile command post/mobile communications center (Q17.p)	ALL	0.0098	0.0162	0.0164	0.0178
	ECC	0.0184	0.0329	0.0307	0.0313
	EM	0.0179	0.03	0.0305	0.0313
	EMS	0.0167	0.0268	0.0283	0.0295
	FIRE	0.0146	0.0232	0.0243	0.0268
	LE	0.0169	0.03	0.0284	0.0286
Mutual aid channels/talkgroups (e.g., shared channels/talkgroups) (Q17.q)	ALL	0.0084	0.0152	0.0139	0.0141
	ECC	0.0137	0.0266	0.0219	0.0225
	EM	0.0152	0.0272	0.0252	0.0253
	EMS	0.0144	0.0267	0.0247	0.0225
	FIRE	0.0127	0.0232	0.0212	0.0205
	LE	0.0146	0.0278	0.0246	0.0233
Nationwide Public Safety Broadband Network (NPSBN)/FirstNet (Q17.r)	ALL	0.0087	0.0137	0.0149	0.0166
	ECC	0.0181	0.0306	0.031	0.0318
	EM	0.0174	0.0271	0.0307	0.0326
	EMS	0.014	0.0217	0.0242	0.0265
	FIRE	0.0121	0.0191	0.0197	0.0244
	LE	0.0153	0.0253	0.0262	0.0269
National Information Exchange Model (NIEM)-based data exchange (Q17.s)	ALL	0.0031	0.0038	0.0051	0.0071
	ECC	0.0072	0.0075	0.0123	0.0158
	EM	0.0064	0.0036	0.0104	0.0176
	EMS	0.0059	0.0048	0.0113	0.0127
	FIRE	0.0046	0.0051	0.0079	0.0108
	LE	0.0066	0.0092	0.0114	0.0129
National Public Safety Planning Advisory Committee (NPSPAC) channels (Q17.t)	ALL	0.0047	0.0061	0.0071	0.011
	ECC	0.0111	0.0128	0.015	0.0257
	EM	0.0105	0.0132	0.0167	0.0248
	EMS	0.0078	0.0082	0.0125	0.0183
	FIRE	0.0067	0.0076	0.01	0.0165
	LE	0.0076	0.0085	0.011	0.017
One-way standards-based sharing of data (e.g., applications to “broadcast/push” or “receive/pull” data from systems) (Q17.u)	ALL	0.0046	0.0067	0.0073	0.01
	ECC	0.0115	0.0209	0.0167	0.0222
	EM	0.0091	0.0117	0.014	0.0215
	EMS	0.0073	0.0095	0.0125	0.0155
	FIRE	0.006	0.008	0.0095	0.0136
	LE	0.0086	0.0129	0.0137	0.017
Radio cache/radio exchange (Q17.v)	ALL	0.0093	0.0149	0.0158	0.0177
	ECC	0.0186	0.0314	0.0316	0.0324
	EM	0.0183	0.0291	0.0314	0.0336
	EMS	0.0157	0.0241	0.0269	0.0295
	FIRE	0.0137	0.0212	0.0226	0.0267
	LE	0.0158	0.0264	0.0267	0.028
Radio reprogramming (Q17.w)	ALL	0.0098	0.016	0.0164	0.0179
	ECC	0.0186	0.0328	0.0315	0.0313
	EM	0.0183	0.0297	0.0316	0.0332
	EMS	0.0168	0.0271	0.0283	0.0297
	FIRE	0.0147	0.0244	0.0245	0.0269
	LE	0.0168	0.0286	0.0284	0.0286
	ALL	0.0092	0.016	0.0153	0.0167

Shared system (conventional or trunked) (Q17.x)	ECC	0.0167	0.0302	0.0283	0.0279
	EM	0.017	0.0282	0.0295	0.0307
	EMS	0.0158	0.0279	0.0268	0.0273
	FIRE	0.0139	0.0244	0.0231	0.0245
	LE	0.0162	0.0299	0.0269	0.0275
Standards-based shared systems (e.g., Project 25 [P25]) (Q17.y)	ALL	0.0096	0.0152	0.0162	0.018
	ECC	0.0187	0.0322	0.0313	0.032
	EM	0.0183	0.0293	0.0316	0.0336
	EMS	0.0163	0.0251	0.0274	0.03
	FIRE	0.0142	0.0216	0.0237	0.0271
	LE	0.0163	0.0272	0.0278	0.0284
None of the above (Q17.z)	ALL	0.0037	0.007	0.0062	0.0057
	ECC	0.005	0.0121	0.0056	0.0073
	EM	0.0059	0.0112	0.0104	0.0079
	EMS	0.0062	0.0105	0.0109	0.0106
	FIRE	0.0057	0.0109	0.01	0.0077
	LE	0.0059	0.0129	0.0096	0.008

Q18) Select the types of information that are exchanged between your organization and others. (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Voice (Q18.a)	ALL	0.0046	0.0086	0.0072	0.0083
	ECC	0.0078	0.0144	0.0119	0.0142
	EM	0.0076	0.0132	0.0111	0.015
	EMS	0.0072	0.0118	0.0124	0.0132
	FIRE	0.0069	0.0125	0.0114	0.0119
	LE	0.0091	0.0196	0.0143	0.0133
Video (Q18.b)	ALL	0.0082	0.0124	0.0134	0.0167
	ECC	0.0161	0.0279	0.0262	0.0293
	EM	0.017	0.0255	0.0302	0.0329
	EMS	0.0123	0.0195	0.0199	0.0243
	FIRE	0.0104	0.0151	0.0166	0.0224
	LE	0.0159	0.0273	0.026	0.0285
Geographic Information System (GIS) data (Q18.c)	ALL	0.0098	0.0164	0.0164	0.0177
	ECC	0.0168	0.0301	0.0281	0.029
	EM	0.0181	0.03	0.0304	0.0322
	EMS	0.0168	0.0279	0.0286	0.0299
	FIRE	0.0147	0.0234	0.0245	0.0269
	LE	0.0168	0.0307	0.0278	0.028
Evacuee patient tracking data (Q18.d)	ALL	0.0061	0.0087	0.0097	0.0131
	ECC	0.0113	0.0155	0.0188	0.023
	EM	0.0134	0.0189	0.0229	0.0281
	EMS	0.0113	0.0158	0.018	0.024
	FIRE	0.0087	0.0103	0.0133	0.0208
	LE	0.0091	0.0156	0.0146	0.017
Accident/crash (telematics) data (Q18.e)	ALL	0.0081	0.013	0.0134	0.0157
	ECC	0.0168	0.0291	0.0281	0.0302
	EM	0.0153	0.024	0.0267	0.0296
	EMS	0.0128	0.0215	0.0212	0.0241
	FIRE	0.0109	0.0175	0.0173	0.0219
	LE	0.016	0.0286	0.0268	0.0279
Resource data (available equipment, teams, shelter/hospital beds) (Q18.f)	ALL	0.009	0.0143	0.0152	0.0173
	ECC	0.0176	0.0296	0.03	0.0315
	EM	0.0182	0.0287	0.0316	0.034
	EMS	0.0155	0.0241	0.0264	0.0294
	FIRE	0.0132	0.0198	0.0218	0.0264
	LE	0.0153	0.0262	0.026	0.0268
Biometric data (Q18.g)	ALL	0.0031	0.0033	0.0044	0.008
	ECC	0.0075	0.0085	0.0119	0.0168
	EM	0.0058	0.0036	0.0089	0.0162
	EMS	0.0059	0.0067	0.0086	0.0144
	FIRE	0.0047	0.0051	0.0064	0.0122
	LE	0.007	0.0075	0.0105	0.0156

Computer aided dispatch (CAD) data (Q18.h)	ALL	0.0093	0.0164	0.0154	0.0162
	ECC	0.0148	0.0255	0.0249	0.0267
	EM	0.0176	0.0298	0.0292	0.0316
	EMS	0.0159	0.0285	0.0269	0.0262
	FIRE	0.0142	0.025	0.0238	0.0239
	LE	0.0155	0.0296	0.0249	0.0262
Automatic vehicle location (AVL) data (Q18.i)	ALL	0.009	0.0135	0.0154	0.0175
	ECC	0.0186	0.0325	0.0317	0.0324
	EM	0.0171	0.024	0.0304	0.0335
	EMS	0.0154	0.0216	0.0267	0.0295
	FIRE	0.0131	0.0179	0.0218	0.0267
	LE	0.0162	0.0277	0.028	0.0278
Common operating picture data/situational awareness (Q18.j)	ALL	0.0068	0.0097	0.0116	0.0142
	ECC	0.0144	0.0212	0.0249	0.0274
	EM	0.0163	0.0244	0.0286	0.0322
	EMS	0.0108	0.0127	0.0187	0.0233
	FIRE	0.009	0.0113	0.0144	0.0204
	LE	0.0114	0.016	0.0199	0.0216
Records management system (RMS) (Q18.k)	ALL	0.0097	0.0154	0.0163	0.018
	ECC	0.0182	0.0323	0.0309	0.0314
	EM	0.0179	0.0281	0.0314	0.0337
	EMS	0.0161	0.0248	0.0277	0.0298
	FIRE	0.014	0.0214	0.0236	0.0271
	LE	0.0164	0.0305	0.0269	0.0277
Threat intelligence data (Q18.l)	ALL	0.0068	0.0083	0.0112	0.0154
	ECC	0.0139	0.0187	0.0218	0.029
	EM	0.0139	0.0175	0.0241	0.0303
	EMS	0.0097	0.0104	0.0157	0.0222
	FIRE	0.0082	0.0097	0.0121	0.0198
	LE	0.0144	0.0202	0.0243	0.0273
Sensor or Internet-of-Things (IoT)-based data (Q18.m)	ALL	0.0033	0.0038	0.0052	0.0078
	ECC	0.0078	0.0111	0.0098	0.0181
	EM	0.008	0.008	0.0135	0.0197
	EMS	0.0048	0.0047	0.0046	0.0132
	FIRE	0.004	0.0044	0.0035	0.0115
	LE	0.0063	0.0084	0.0101	0.0129
Other types of data (Q18.n)	ALL	0.0055	0.009	0.0094	0.01
	ECC	0.0115	0.0187	0.0204	0.0203
	EM	0.0108	0.0159	0.0196	0.021
	EMS	0.0091	0.0138	0.016	0.0175
	FIRE	0.0072	0.0113	0.0121	0.0142
	LE	0.0107	0.0178	0.0193	0.0182

Q19_01) Select the extent to which unplanned system/equipment failure has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0053	0.0088	0.0082	0.0105
	ECC	0.0091	0.0155	0.0143	0.0177
	EM	0.0086	0.0128	0.0143	0.0181
	EMS	0.0083	0.0148	0.0132	0.0154
	FIRE	0.0076	0.0122	0.0118	0.0157
	LE	0.0093	0.0166	0.0144	0.0173
Little extent	ALL	0.0092	0.015	0.0157	0.0174
	ECC	0.0174	0.0284	0.0306	0.0309
	EM	0.0167	0.0251	0.0289	0.033
	EMS	0.0161	0.0267	0.0276	0.0291
	FIRE	0.0141	0.0234	0.0237	0.0263
	LE	0.0162	0.028	0.0274	0.0282
Some extent	ALL	0.0097	0.0167	0.0161	0.0175
	ECC	0.0186	0.0327	0.0315	0.0323
	EM	0.0183	0.0301	0.0315	0.0337
	EMS	0.0165	0.0289	0.0275	0.029
	FIRE	0.0145	0.0252	0.0241	0.0259
	LE	0.0165	0.0306	0.0278	0.0274
Great Extent	ALL	0.0075	0.0129	0.0125	0.0133
	ECC	0.014	0.0251	0.0223	0.0255
	EM	0.0146	0.0252	0.0255	0.0239
	EMS	0.0134	0.0229	0.0232	0.0238
	FIRE	0.0114	0.0188	0.0199	0.0206
	LE	0.0125	0.0246	0.0197	0.0207
Not applicable	ALL	0.003	0.0048	0.0054	0.0055
	ECC	0.0044	0.0043	0.0098	0.0075
	EM	0.0056	0.0088	0.0113	0.0081
	EMS	0.0052	0.0096	0.0092	0.0081
	FIRE	0.0044	0.0076	0.0078	0.0072
	LE	0.0063	0.0114	0.0106	0.011

Q19_02) Select the extent to which excessive planned downtime has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0089	0.0149	0.0149	0.0164
	ECC	0.0169	0.0279	0.0294	0.0303
	EM	0.0156	0.0256	0.0262	0.0297
	EMS	0.015	0.0251	0.026	0.0266
	FIRE	0.0133	0.0224	0.0226	0.0244
	LE	0.0153	0.0274	0.0255	0.0264
Little extent	ALL	0.0097	0.0163	0.0161	0.018
	ECC	0.0184	0.032	0.0308	0.0327
	EM	0.0183	0.0296	0.0314	0.0343
	EMS	0.0168	0.029	0.0281	0.0302
	FIRE	0.0147	0.0249	0.0244	0.0272
	LE	0.0168	0.03	0.0281	0.0289
Some extent	ALL	0.0079	0.0138	0.0133	0.0135
	ECC	0.0157	0.0284	0.0267	0.0262
	EM	0.0153	0.0247	0.0274	0.0275
	EMS	0.0131	0.0238	0.0217	0.0223
	FIRE	0.0116	0.021	0.0193	0.0194
	LE	0.0134	0.0272	0.022	0.0203
Great Extent	ALL	0.0049	0.0087	0.008	0.009
	ECC	0.0083	0.0174	0.0132	0.0121
	EM	0.01	0.0183	0.0157	0.0171
	EMS	0.0088	0.0149	0.0161	0.0142
	FIRE	0.0075	0.0123	0.0131	0.0135
	LE	0.008	0.0152	0.0119	0.0146
Not applicable	ALL	0.0046	0.0079	0.0079	0.0077
	ECC	0.0073	0.0119	0.0143	0.0113
	EM	0.008	0.0133	0.0157	0.0114
	EMS	0.0079	0.0145	0.0143	0.0119
	FIRE	0.0067	0.0123	0.0119	0.0101
	LE	0.0085	0.016	0.0153	0.0128

Q19_03) Select the extent to which frequency interference has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0091	0.0144	0.0154	0.0174
	ECC	0.0173	0.0264	0.0304	0.0316
	EM	0.0167	0.0248	0.0295	0.0326
	EMS	0.0153	0.0239	0.0256	0.0294
	FIRE	0.0136	0.0214	0.0227	0.0262
	LE	0.0162	0.0271	0.0274	0.0286
Little extent	ALL	0.0094	0.016	0.0157	0.0175
	ECC	0.0183	0.0322	0.031	0.0321
	EM	0.0178	0.029	0.0305	0.0334
	EMS	0.0161	0.0278	0.0273	0.0288
	FIRE	0.0141	0.0235	0.0239	0.0261
	LE	0.0161	0.0295	0.0269	0.0273
Some extent	ALL	0.0081	0.0148	0.0138	0.013
	ECC	0.015	0.0289	0.0238	0.0245
	EM	0.0154	0.0261	0.0269	0.0263
	EMS	0.0142	0.0262	0.025	0.0214
	FIRE	0.0125	0.0235	0.0206	0.0197
	LE	0.0133	0.0265	0.0221	0.0205
Great Extent	ALL	0.0056	0.01	0.0091	0.0098
	ECC	0.0101	0.0211	0.0157	0.0152
	EM	0.0099	0.0186	0.0163	0.0152
	EMS	0.0106	0.0199	0.0175	0.0171
	FIRE	0.0092	0.0164	0.0153	0.0158
	LE	0.0094	0.02	0.015	0.0142
Not applicable	ALL	0.0041	0.0074	0.0066	0.0075
	ECC	0.0062	0.0085	0.0113	0.0121
	EM	0.0082	0.0153	0.0133	0.0131
	EMS	0.0067	0.0126	0.0108	0.0114
	FIRE	0.0055	0.0105	0.0085	0.0097
	LE	0.0073	0.0142	0.0115	0.0128

Q19_04) Select the extent to which system congestion (e.g., limited spectrum capacity, insufficient frequencies) has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0091	0.015	0.0152	0.0173
	ECC	0.0184	0.0313	0.0314	0.0326
	EM	0.0168	0.0269	0.0295	0.0314
	EMS	0.0154	0.0261	0.0259	0.0278
	FIRE	0.0134	0.0225	0.0222	0.025
	LE	0.0166	0.0293	0.0274	0.0289
Little extent	ALL	0.0093	0.0155	0.0157	0.017
	ECC	0.0173	0.0298	0.0294	0.0307
	EM	0.0173	0.0277	0.0298	0.033
	EMS	0.0157	0.0258	0.0265	0.029
	FIRE	0.0139	0.0226	0.0236	0.0259
	LE	0.0158	0.0281	0.0271	0.0266
Some extent	ALL	0.0081	0.0142	0.0135	0.0143
	ECC	0.0143	0.0252	0.0253	0.0237
	EM	0.0158	0.0258	0.0273	0.0294
	EMS	0.0144	0.0251	0.0255	0.0241
	FIRE	0.0125	0.0219	0.021	0.0222
	LE	0.0129	0.0253	0.0215	0.0203
Great Extent	ALL	0.0059	0.011	0.0095	0.0096
	ECC	0.0099	0.0216	0.0132	0.0152
	EM	0.0105	0.0195	0.0172	0.0165
	EMS	0.011	0.0207	0.0178	0.0184
	FIRE	0.0101	0.0182	0.0168	0.0173
	LE	0.0087	0.0195	0.0134	0.0123
Not applicable	ALL	0.0045	0.008	0.0071	0.0083
	ECC	0.008	0.0145	0.0132	0.0141
	EM	0.0087	0.0158	0.0154	0.0131
	EMS	0.0075	0.0151	0.0117	0.0114
	FIRE	0.0061	0.012	0.0095	0.0101
	LE	0.0085	0.0164	0.014	0.0142

Q19_05) Select the extent to which cybersecurity disruption or breach has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0098	0.0167	0.0164	0.0181
	ECC	0.0184	0.0321	0.0312	0.0322
	EM	0.0186	0.0301	0.0321	0.0345
	EMS	0.0168	0.029	0.0285	0.03
	FIRE	0.0147	0.0251	0.0247	0.0268
	LE	0.0169	0.0309	0.0281	0.0287
Little extent	ALL	0.0082	0.0133	0.0135	0.0157
	ECC	0.0158	0.027	0.0267	0.0281
	EM	0.0164	0.0258	0.0285	0.0316
	EMS	0.0139	0.0235	0.0231	0.0258
	FIRE	0.0118	0.0186	0.0198	0.023
	LE	0.014	0.0245	0.0232	0.0247
Some extent	ALL	0.0053	0.0092	0.0086	0.0102
	ECC	0.0091	0.0179	0.012	0.0172
	EM	0.0109	0.0171	0.0188	0.0211
	EMS	0.0082	0.0149	0.0134	0.0146
	FIRE	0.0072	0.0134	0.0116	0.0123
	LE	0.0092	0.0176	0.0144	0.0162
Great Extent	ALL	0.0041	0.0062	0.0078	0.0072
	ECC	0.0082	0.0132	0.0162	0.0128
	EM	0.0084	0.0129	0.0145	0.0166
	EMS	0.0075	0.0117	0.0134	0.0138
	FIRE	0.0059	0.0088	0.0106	0.0113
	LE	0.0073	0.0122	0.0138	0.0115
Not applicable	ALL	0.0058	0.0109	0.0096	0.0093
	ECC	0.0087	0.016	0.0157	0.0128
	EM	0.0091	0.0154	0.0173	0.014
	EMS	0.0101	0.0184	0.0176	0.0161
	FIRE	0.0097	0.0183	0.0167	0.0144
	LE	0.0093	0.0196	0.0153	0.0139

Q19_06) Select the extent to which poor in-building coverage has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0057	0.0094	0.0093	0.0111
	ECC	0.0116	0.0202	0.0182	0.0219
	EM	0.01	0.0161	0.0154	0.0208
	EMS	0.009	0.0148	0.0141	0.0181
	FIRE	0.0079	0.012	0.0131	0.0163
	LE	0.011	0.0185	0.0192	0.0191
Little extent	ALL	0.0084	0.0133	0.0138	0.0167
	ECC	0.0162	0.0249	0.0281	0.0303
	EM	0.0155	0.0244	0.0254	0.0314
	EMS	0.0145	0.023	0.0245	0.0275
	FIRE	0.0125	0.0189	0.0211	0.0248
	LE	0.0149	0.0251	0.0244	0.0272
Some extent	ALL	0.0095	0.0158	0.0161	0.0174
	ECC	0.0184	0.0319	0.0316	0.0322
	EM	0.0177	0.0279	0.0315	0.0329
	EMS	0.0162	0.0276	0.028	0.0288
	FIRE	0.0142	0.0241	0.024	0.026
	LE	0.0165	0.03	0.0279	0.0278
Great Extent	ALL	0.009	0.016	0.015	0.0149
	ECC	0.0156	0.0302	0.0251	0.0247
	EM	0.0173	0.0293	0.0296	0.0297
	EMS	0.0157	0.0283	0.0265	0.0264
	FIRE	0.014	0.0249	0.0231	0.0239
	LE	0.0142	0.0285	0.023	0.022
Not applicable	ALL	0.0032	0.0063	0.0052	0.0051
	ECC	0.0048	0.0085	0.0098	0.0061
	EM	0.0056	0.0108	0.0081	0.0095
	EMS	0.0055	0.0121	0.0087	0.0063
	FIRE	0.0045	0.0098	0.007	0.0052
	LE	0.0061	0.0121	0.0096	0.01

Q19_07) Select the extent to which poor outdoors coverage has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0069	0.0092	0.0112	0.0151
	ECC	0.0138	0.0191	0.022	0.0288
	EM	0.0125	0.0161	0.0207	0.0285
	EMS	0.0122	0.0167	0.0182	0.0267
	FIRE	0.0105	0.0129	0.0162	0.0239
	LE	0.0132	0.0201	0.0221	0.0248
Little extent	ALL	0.0091	0.0139	0.0154	0.0178
	ECC	0.0177	0.0264	0.0306	0.0326
	EM	0.0168	0.0244	0.0295	0.0336
	EMS	0.0154	0.0235	0.0267	0.0289
	FIRE	0.0136	0.0204	0.0234	0.0263
	LE	0.0161	0.0257	0.0271	0.0288
Some extent	ALL	0.0091	0.0161	0.0156	0.0152
	ECC	0.0173	0.0318	0.03	0.0268
	EM	0.0171	0.0287	0.03	0.03
	EMS	0.0155	0.0275	0.0269	0.0252
	FIRE	0.0136	0.0241	0.0231	0.0229
	LE	0.0152	0.0295	0.0258	0.0233
Great Extent	ALL	0.0081	0.0155	0.0131	0.0118
	ECC	0.0143	0.0299	0.0228	0.0177
	EM	0.0157	0.0286	0.0267	0.022
	EMS	0.0146	0.028	0.0244	0.0214
	FIRE	0.0128	0.0244	0.0208	0.0186
	LE	0.0127	0.0283	0.0199	0.0165
Not applicable	ALL	0.0032	0.0056	0.0051	0.0063
	ECC	0.0056	0.0085	0.0098	0.0105
	EM	0.0063	0.0113	0.0099	0.0115
	EMS	0.0047	0.0096	0.0074	0.0073
	FIRE	0.0039	0.008	0.006	0.0059
	LE	0.0069	0.0127	0.011	0.0124

Q19_08) Select the extent to which poor subscriber unit quality has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0096	0.0154	0.016	0.0181
	ECC	0.0181	0.0292	0.0304	0.0332
	EM	0.0175	0.0273	0.0303	0.0339
	EMS	0.0164	0.0261	0.0277	0.0302
	FIRE	0.0144	0.0228	0.0242	0.0273
	LE	0.0169	0.0298	0.0283	0.0291
Little extent	ALL	0.0087	0.0144	0.0146	0.0163
	ECC	0.0166	0.029	0.0285	0.0291
	EM	0.0166	0.0256	0.0288	0.0324
	EMS	0.0148	0.0256	0.0241	0.027
	FIRE	0.013	0.0214	0.0218	0.0248
	LE	0.0147	0.0249	0.0252	0.0259
Some extent	ALL	0.0073	0.0131	0.0123	0.0119
	ECC	0.0147	0.0265	0.026	0.0235
	EM	0.0144	0.0238	0.0258	0.0251
	EMS	0.0125	0.0233	0.0222	0.0184
	FIRE	0.0104	0.0192	0.0176	0.0165
	LE	0.0121	0.025	0.0192	0.019
Great Extent	ALL	0.0051	0.0102	0.0084	0.0067
	ECC	0.0098	0.021	0.016	0.0123
	EM	0.0098	0.0189	0.0158	0.014
	EMS	0.0086	0.0168	0.0151	0.0119
	FIRE	0.0078	0.0159	0.0128	0.0106
	LE	0.0078	0.0186	0.0116	0.0101
Not applicable	ALL	0.007	0.0129	0.0116	0.0115
	ECC	0.0121	0.0225	0.0209	0.0189
	EM	0.0122	0.0232	0.0198	0.0172
	EMS	0.0125	0.0233	0.0214	0.0195
	FIRE	0.011	0.021	0.0184	0.0165
	LE	0.012	0.023	0.0206	0.019

Q19_09) Select the extent to which insufficient site hardening has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0098	0.0163	0.0165	0.0182
	ECC	0.0188	0.0323	0.0319	0.0331
	EM	0.0181	0.029	0.0309	0.0344
	EMS	0.0168	0.0276	0.0287	0.0303
	FIRE	0.0148	0.0241	0.0247	0.0274
	LE	0.0171	0.0308	0.0287	0.0292
Little extent	ALL	0.0082	0.013	0.0138	0.0158
	ECC	0.0154	0.0248	0.0274	0.0275
	EM	0.0165	0.0255	0.0291	0.0314
	EMS	0.0139	0.024	0.0229	0.0254
	FIRE	0.0123	0.0201	0.0203	0.0239
	LE	0.014	0.0252	0.0229	0.0245
Some extent	ALL	0.0065	0.0116	0.0109	0.0109
	ECC	0.013	0.0235	0.0231	0.0208
	EM	0.0132	0.0216	0.0223	0.0247
	EMS	0.0107	0.0185	0.0188	0.0184
	FIRE	0.0088	0.0159	0.0153	0.0139
	LE	0.011	0.0222	0.0186	0.0166
Great Extent	ALL	0.0047	0.0087	0.0083	0.0071
	ECC	0.0087	0.018	0.014	0.0122
	EM	0.0099	0.015	0.0188	0.0174
	EMS	0.009	0.0162	0.017	0.0129
	FIRE	0.0078	0.0139	0.0137	0.0124
	LE	0.007	0.0144	0.0125	0.0095
Not applicable	ALL	0.0076	0.0143	0.0124	0.012
	ECC	0.013	0.0255	0.0212	0.0204
	EM	0.0124	0.0239	0.0202	0.0168
	EMS	0.0135	0.026	0.0221	0.021
	FIRE	0.0121	0.0229	0.0204	0.0175
	LE	0.0126	0.025	0.021	0.0198

Q19_10) Select the extent to which insufficient system/equipment redundancy has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0093	0.0149	0.0155	0.0178
	ECC	0.0177	0.0286	0.0305	0.0321
	EM	0.0166	0.0253	0.0284	0.0332
	EMS	0.0158	0.0244	0.0274	0.0293
	FIRE	0.014	0.0221	0.0235	0.0268
	LE	0.0166	0.0291	0.028	0.0289
Little extent	ALL	0.009	0.015	0.015	0.017
	ECC	0.0174	0.0305	0.0291	0.031
	EM	0.0172	0.0277	0.0296	0.0324
	EMS	0.0154	0.026	0.026	0.0282
	FIRE	0.0135	0.0227	0.0223	0.0253
	LE	0.0154	0.0274	0.0256	0.0271
Some extent	ALL	0.0078	0.0141	0.0129	0.0132
	ECC	0.0146	0.0267	0.0253	0.0232
	EM	0.0155	0.0266	0.0267	0.0267
	EMS	0.0131	0.0247	0.021	0.022
	FIRE	0.0115	0.021	0.0185	0.02
	LE	0.0122	0.025	0.0204	0.0181
Great Extent	ALL	0.0061	0.0107	0.0109	0.0094
	ECC	0.0117	0.021	0.0211	0.0187
	EM	0.0119	0.0191	0.0219	0.0208
	EMS	0.0111	0.0194	0.0204	0.0171
	FIRE	0.0098	0.0163	0.0178	0.0164
	LE	0.0096	0.0193	0.0171	0.0132
Not applicable	ALL	0.0057	0.011	0.0092	0.0089
	ECC	0.0096	0.0195	0.0139	0.0158
	EM	0.0092	0.018	0.0149	0.0124
	EMS	0.0103	0.0215	0.0161	0.0146
	FIRE	0.0089	0.0183	0.0144	0.011
	LE	0.0101	0.0205	0.0163	0.0162

Q19_11) Select the extent to which insufficient route diversity has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0098	0.0161	0.0164	0.0182
	ECC	0.0186	0.0313	0.0318	0.0332
	EM	0.0179	0.0286	0.031	0.0338
	EMS	0.0165	0.0271	0.0284	0.0301
	FIRE	0.0147	0.0236	0.0247	0.0275
	LE	0.0172	0.0306	0.0289	0.0293
Little extent	ALL	0.0084	0.014	0.0137	0.0162
	ECC	0.0167	0.0288	0.0273	0.0305
	EM	0.0165	0.0256	0.0279	0.0325
	EMS	0.0145	0.0246	0.0241	0.0268
	FIRE	0.0125	0.0211	0.0204	0.0239
	LE	0.0139	0.024	0.0222	0.0254
Some extent	ALL	0.0065	0.0116	0.0109	0.0113
	ECC	0.0127	0.0233	0.0223	0.0198
	EM	0.0134	0.0225	0.0234	0.0237
	EMS	0.0108	0.0197	0.0178	0.0185
	FIRE	0.0092	0.0166	0.0148	0.0163
	LE	0.0111	0.0234	0.0181	0.0161
Great Extent	ALL	0.0048	0.0088	0.0087	0.0067
	ECC	0.01	0.0185	0.0185	0.0144
	EM	0.0095	0.0158	0.0177	0.0155
	EMS	0.0089	0.0166	0.0164	0.012
	FIRE	0.0076	0.0142	0.0133	0.0115
	LE	0.0075	0.0153	0.0141	0.009
Not applicable	ALL	0.0077	0.0142	0.0126	0.0125
	ECC	0.0124	0.0241	0.0199	0.0202
	EM	0.0132	0.0238	0.0223	0.0204
	EMS	0.0138	0.0257	0.0231	0.0224
	FIRE	0.0123	0.023	0.0205	0.0185
	LE	0.0128	0.0254	0.0208	0.0206

Q19_12) Select the extent to which insufficient wireless voice application interoperability has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0095	0.0149	0.016	0.018
	ECC	0.0182	0.03	0.0305	0.033
	EM	0.0173	0.026	0.0299	0.034
	EMS	0.0158	0.0253	0.0268	0.0296
	FIRE	0.0142	0.0223	0.0236	0.0272
	LE	0.017	0.0298	0.0287	0.0292
Little extent	ALL	0.0086	0.0144	0.0141	0.0164
	ECC	0.0165	0.0278	0.0288	0.0288
	EM	0.0168	0.0275	0.0284	0.0319
	EMS	0.0151	0.0254	0.025	0.0278
	FIRE	0.0129	0.0211	0.0207	0.0253
	LE	0.0142	0.0232	0.0238	0.026
Some extent	ALL	0.0072	0.0131	0.0121	0.0121
	ECC	0.014	0.0269	0.0241	0.0204
	EM	0.0141	0.0234	0.0252	0.024
	EMS	0.0118	0.021	0.0205	0.0198
	FIRE	0.0105	0.0194	0.0172	0.0173
	LE	0.0115	0.024	0.0198	0.0158
Great Extent	ALL	0.0053	0.0105	0.0086	0.0079
	ECC	0.0096	0.0181	0.0145	0.017
	EM	0.0108	0.0195	0.0173	0.0185
	EMS	0.0096	0.0188	0.0162	0.0138
	FIRE	0.0086	0.0162	0.0146	0.0128
	LE	0.0081	0.0188	0.013	0.0101
Not applicable	ALL	0.0075	0.0137	0.0127	0.0122
	ECC	0.0136	0.0251	0.0234	0.0218
	EM	0.0127	0.0223	0.0229	0.019
	EMS	0.0137	0.0254	0.0241	0.0203
	FIRE	0.0118	0.0219	0.0208	0.0165
	LE	0.0129	0.0261	0.0208	0.0203

Q19_13) Select the extent to which insufficient wireless data application interoperability has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0095	0.0151	0.016	0.0181
	ECC	0.0182	0.0305	0.0305	0.0331
	EM	0.0172	0.026	0.0298	0.0337
	EMS	0.016	0.0263	0.0269	0.0298
	FIRE	0.0143	0.0231	0.0237	0.0272
	LE	0.017	0.0296	0.0286	0.0292
Little extent	ALL	0.0086	0.0141	0.0145	0.0164
	ECC	0.0164	0.0276	0.029	0.0287
	EM	0.0169	0.0276	0.0286	0.032
	EMS	0.0149	0.0232	0.0263	0.0275
	FIRE	0.0128	0.0202	0.0211	0.0251
	LE	0.0145	0.0234	0.0246	0.0262
Some extent	ALL	0.0071	0.013	0.0117	0.0123
	ECC	0.0138	0.0262	0.0236	0.0216
	EM	0.0139	0.0223	0.0246	0.0259
	EMS	0.0119	0.0218	0.0196	0.0203
	FIRE	0.0104	0.0193	0.0166	0.0178
	LE	0.0119	0.0246	0.0193	0.0178
Great Extent	ALL	0.0055	0.0105	0.0093	0.0083
	ECC	0.0104	0.019	0.0178	0.0171
	EM	0.0111	0.0197	0.0199	0.0168
	EMS	0.01	0.0195	0.0172	0.0143
	FIRE	0.0086	0.0156	0.015	0.0138
	LE	0.0081	0.0184	0.0138	0.0096
Not applicable	ALL	0.0075	0.0139	0.0125	0.012
	ECC	0.0134	0.0252	0.0225	0.0212
	EM	0.0126	0.023	0.0215	0.019
	EMS	0.0133	0.0255	0.0228	0.0195
	FIRE	0.0119	0.0223	0.0208	0.0163
	LE	0.0128	0.0259	0.0207	0.0198

Q19_14) Select the extent to which deferred maintenance has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0095	0.0155	0.016	0.0177
	ECC	0.0181	0.0296	0.0313	0.0327
	EM	0.0174	0.0277	0.0303	0.0332
	EMS	0.0161	0.0266	0.0276	0.0295
	FIRE	0.0142	0.0233	0.0237	0.027
	LE	0.0168	0.0293	0.0286	0.0288
Little extent	ALL	0.0089	0.0147	0.0151	0.0167
	ECC	0.0172	0.0299	0.0295	0.0297
	EM	0.0169	0.0275	0.0292	0.0314
	EMS	0.0151	0.0257	0.0257	0.0273
	FIRE	0.0134	0.0217	0.0229	0.0251
	LE	0.015	0.0269	0.0245	0.0265
Some extent	ALL	0.0074	0.0134	0.0118	0.0128
	ECC	0.014	0.0268	0.0227	0.0228
	EM	0.0144	0.0231	0.0257	0.0259
	EMS	0.0123	0.0226	0.0208	0.0203
	FIRE	0.0109	0.0206	0.0175	0.0178
	LE	0.012	0.0243	0.0192	0.019
Great Extent	ALL	0.0056	0.0099	0.0091	0.0102
	ECC	0.0098	0.0162	0.0156	0.0192
	EM	0.0114	0.0199	0.0168	0.0222
	EMS	0.0102	0.0177	0.0171	0.0181
	FIRE	0.0089	0.0149	0.0141	0.0174
	LE	0.0091	0.0183	0.0147	0.0148
Not applicable	ALL	0.0066	0.0121	0.011	0.0109
	ECC	0.012	0.0232	0.0203	0.0179
	EM	0.0108	0.0186	0.0188	0.0179
	EMS	0.0121	0.0224	0.021	0.0187
	FIRE	0.0104	0.0193	0.018	0.0151
	LE	0.0116	0.0228	0.0196	0.0183

Q19_15) Select the extent to which deferred capital expenditures has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.009	0.0147	0.0152	0.0172
	ECC	0.0176	0.0292	0.0302	0.0319
	EM	0.016	0.025	0.0275	0.0314
	EMS	0.0149	0.0241	0.0253	0.0279
	FIRE	0.0134	0.0216	0.0223	0.0258
	LE	0.0165	0.0292	0.0279	0.0285
Little extent	ALL	0.0084	0.0135	0.0143	0.0159
	ECC	0.0164	0.0275	0.0289	0.0288
	EM	0.0163	0.0253	0.0288	0.0314
	EMS	0.0142	0.0235	0.0241	0.0261
	FIRE	0.0124	0.0193	0.0211	0.0239
	LE	0.0143	0.024	0.0246	0.0251
Some extent	ALL	0.008	0.0139	0.0131	0.0144
	ECC	0.0151	0.0284	0.0244	0.0255
	EM	0.0157	0.026	0.028	0.0271
	EMS	0.0137	0.0234	0.0237	0.0242
	FIRE	0.0118	0.0208	0.0193	0.021
	LE	0.0125	0.0253	0.019	0.0207
Great Extent	ALL	0.0072	0.0128	0.0118	0.0125
	ECC	0.0119	0.0213	0.02	0.0208
	EM	0.0137	0.024	0.022	0.0247
	EMS	0.0131	0.0239	0.0223	0.0219
	FIRE	0.0117	0.021	0.019	0.0204
	LE	0.011	0.0208	0.019	0.0175
Not applicable	ALL	0.0067	0.0123	0.011	0.0109
	ECC	0.0123	0.0235	0.0203	0.0196
	EM	0.0111	0.0198	0.018	0.0195
	EMS	0.012	0.0231	0.0206	0.0178
	FIRE	0.0104	0.0192	0.0182	0.0151
	LE	0.0122	0.0237	0.0205	0.0195

Q19_16) Select the extent to which diminished service due to adding users from beyond our organization has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.01	0.0167	0.0167	0.0182
	ECC	0.0189	0.0329	0.032	0.0328
	EM	0.0186	0.0302	0.0321	0.0345
	EMS	0.0171	0.0287	0.0291	0.0303
	FIRE	0.015	0.025	0.0252	0.0274
	LE	0.0171	0.0312	0.0284	0.029
Little extent	ALL	0.0079	0.0132	0.0131	0.0152
	ECC	0.0149	0.0261	0.0251	0.0265
	EM	0.0158	0.0251	0.0278	0.0296
	EMS	0.0136	0.0242	0.0217	0.0245
	FIRE	0.0121	0.0198	0.02	0.0232
	LE	0.0129	0.0232	0.0194	0.0241
Some extent	ALL	0.0058	0.0106	0.0096	0.0094
	ECC	0.0103	0.0197	0.0174	0.0165
	EM	0.0109	0.0178	0.0202	0.0185
	EMS	0.0091	0.0177	0.0157	0.0129
	FIRE	0.0081	0.016	0.0123	0.0128
	LE	0.0095	0.0202	0.0154	0.014
Great Extent	ALL	0.0038	0.0068	0.0062	0.0068
	ECC	0.0066	0.0096	0.0122	0.0122
	EM	0.007	0.0119	0.0122	0.0125
	EMS	0.0069	0.0113	0.0124	0.0119
	FIRE	0.0065	0.0119	0.0105	0.0115
	LE	0.0062	0.0122	0.0104	0.0101
Not applicable	ALL	0.0076	0.0142	0.0122	0.0127
	ECC	0.0137	0.0265	0.0221	0.0218
	EM	0.0129	0.0234	0.0209	0.0213
	EMS	0.0139	0.0259	0.0226	0.0231
	FIRE	0.0119	0.0223	0.0198	0.0183
	LE	0.013	0.0258	0.0219	0.0198

Q19_17) Select the extent to which system/equipment failure beyond the ownership or control of our organization has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0093	0.0152	0.0156	0.0174
	ECC	0.0175	0.0294	0.0302	0.031
	EM	0.0171	0.0276	0.0287	0.0331
	EMS	0.0156	0.0265	0.0257	0.0289
	FIRE	0.014	0.0227	0.0235	0.0265
	LE	0.0165	0.029	0.0283	0.0283
Little extent	ALL	0.0092	0.0151	0.0155	0.0171
	ECC	0.018	0.0303	0.0312	0.0318
	EM	0.0173	0.0266	0.031	0.0326
	EMS	0.0157	0.0258	0.0272	0.0282
	FIRE	0.0136	0.0228	0.023	0.0251
	LE	0.0156	0.0271	0.0262	0.0273
Some extent	ALL	0.0075	0.0135	0.0122	0.0133
	ECC	0.0141	0.0281	0.0223	0.0217
	EM	0.0143	0.0244	0.0245	0.0249
	EMS	0.0125	0.0217	0.0221	0.021
	FIRE	0.0113	0.0198	0.0183	0.0204
	LE	0.0126	0.0267	0.0192	0.0196
Great Extent	ALL	0.0059	0.0103	0.0101	0.0103
	ECC	0.0106	0.0158	0.0173	0.0214
	EM	0.0117	0.0195	0.0202	0.0212
	EMS	0.0114	0.0198	0.02	0.0195
	FIRE	0.0096	0.0168	0.0163	0.0166
	LE	0.0089	0.0165	0.0147	0.0153
Not applicable	ALL	0.0061	0.0117	0.0098	0.01
	ECC	0.0107	0.0216	0.0164	0.0174
	EM	0.0102	0.0197	0.0154	0.0154
	EMS	0.0111	0.0224	0.0179	0.0158
	FIRE	0.0094	0.0184	0.0155	0.0134
	LE	0.0107	0.0211	0.0181	0.0168

Q19_18) Select the extent to which incompatibility of proprietary systems, modes, and algorithms has impacted your organization's ability to communicate. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
None	ALL	0.0097	0.0163	0.0164	0.018
	ECC	0.0186	0.0318	0.032	0.0327
	EM	0.0176	0.0284	0.0305	0.0333
	EMS	0.0165	0.0281	0.0282	0.0296
	FIRE	0.0147	0.0247	0.0246	0.0272
	LE	0.0171	0.0308	0.0287	0.0291
Little extent	ALL	0.0086	0.0138	0.0147	0.0162
	ECC	0.0169	0.0298	0.0284	0.0293
	EM	0.0171	0.027	0.0301	0.0325
	EMS	0.0146	0.0239	0.0256	0.0261
	FIRE	0.0127	0.0201	0.022	0.0239
	LE	0.0144	0.0254	0.0236	0.0256
Some extent	ALL	0.0068	0.0117	0.0112	0.0126
	ECC	0.0124	0.0217	0.0216	0.0213
	EM	0.0134	0.0223	0.0221	0.0256
	EMS	0.0116	0.0198	0.0196	0.021
	FIRE	0.0099	0.0167	0.0159	0.0189
	LE	0.0113	0.0214	0.0189	0.0188
Great Extent	ALL	0.0052	0.0094	0.0086	0.0088
	ECC	0.0088	0.0158	0.0128	0.0171
	EM	0.0097	0.0158	0.0173	0.0175
	EMS	0.0095	0.0163	0.0174	0.0155
	FIRE	0.0084	0.0153	0.0138	0.0141
	LE	0.008	0.0157	0.0129	0.0133
Not applicable	ALL	0.0073	0.0136	0.0115	0.0124
	ECC	0.0133	0.0246	0.0206	0.0236
	EM	0.0126	0.0227	0.0206	0.0206
	EMS	0.0131	0.0251	0.0203	0.0219
	FIRE	0.0114	0.0214	0.0186	0.018
	LE	0.0124	0.0246	0.0206	0.0192

Q20_1) Does your organization have the appropriate infrastructure, systems, equipment, and facilities to continue to communicate (i.e., achieve continuity of communications) for day-to-day situations. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Strongly agree	ALL	0.0085	0.0124	0.0143	0.017
	ECC	0.0178	0.0282	0.031	0.0323
	EM	0.0157	0.0206	0.0284	0.0323
	EMS	0.014	0.0203	0.0236	0.0279
	FIRE	0.0123	0.0182	0.0204	0.0252
	LE	0.0152	0.0237	0.0259	0.0277
Agree	ALL	0.0098	0.0167	0.0165	0.0181
	ECC	0.0187	0.0326	0.0314	0.0327
	EM	0.0184	0.0301	0.0318	0.0342
	EMS	0.0169	0.0292	0.0288	0.03
	FIRE	0.0148	0.0254	0.0247	0.027
	LE	0.017	0.031	0.0283	0.0289
Neutral	ALL	0.0069	0.0129	0.0114	0.0112
	ECC	0.0115	0.0228	0.0182	0.0185
	EM	0.0133	0.0244	0.0217	0.0213
	EMS	0.0124	0.0231	0.0211	0.0197
	FIRE	0.011	0.0193	0.0196	0.0175
	LE	0.0109	0.0239	0.0154	0.0174
Disagree	ALL	0.0054	0.0098	0.0088	0.0091
	ECC	0.0085	0.0138	0.0162	0.014
	EM	0.0101	0.0188	0.0153	0.0175
	EMS	0.0097	0.0174	0.0162	0.0167
	FIRE	0.0084	0.0147	0.0138	0.0156
	LE	0.0083	0.0141	0.0154	0.0131
Strongly disagree	ALL	0.0043	0.0082	0.0072	0.0067
	ECC	0.0062	0.0111	0.0132	0.0061
	EM	0.0072	0.0113	0.0157	0.0081
	EMS	0.008	0.0144	0.0144	0.0124
	FIRE	0.0073	0.0135	0.0117	0.0123
	LE	0.0074	0.015	0.0136	0.0094

Q20_2) Does your organization have the appropriate infrastructure, systems, equipment, and facilities to continue to communicate (i.e., achieve continuity of communications) for out-of-the-ordinary situations. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Strongly agree	ALL	0.0064	0.0093	0.0106	0.0133
	ECC	0.014	0.0205	0.0253	0.0258
	EM	0.0117	0.0157	0.0217	0.0242
	EMS	0.0107	0.0163	0.0175	0.0218
	FIRE	0.0093	0.0137	0.0148	0.0199
	LE	0.012	0.0193	0.0196	0.0225
Agree	ALL	0.0095	0.0156	0.0159	0.0179
	ECC	0.0185	0.0322	0.0312	0.0326
	EM	0.0178	0.0279	0.0306	0.0341
	EMS	0.0158	0.0262	0.0267	0.0292
	FIRE	0.014	0.0233	0.0234	0.0261
	LE	0.0168	0.0304	0.0279	0.0288
Neutral	ALL	0.0084	0.0148	0.014	0.0151
	ECC	0.0151	0.0275	0.0238	0.0271
	EM	0.0159	0.0275	0.0269	0.0275
	EMS	0.015	0.0262	0.0259	0.0257
	FIRE	0.0128	0.0224	0.0211	0.0231
	LE	0.0141	0.0269	0.0224	0.0244
Disagree	ALL	0.0074	0.0132	0.0125	0.0122
	ECC	0.0133	0.0236	0.023	0.0224
	EM	0.0139	0.0251	0.0225	0.0235
	EMS	0.013	0.0241	0.0218	0.0209
	FIRE	0.0114	0.02	0.0197	0.0189
	LE	0.0115	0.0217	0.0208	0.0172
Strongly disagree	ALL	0.0061	0.0115	0.0103	0.0094
	ECC	0.0094	0.0191	0.0178	0.0096
	EM	0.011	0.0182	0.0214	0.0164
	EMS	0.0111	0.0201	0.0194	0.018
	FIRE	0.0102	0.0186	0.0172	0.0171
	LE	0.0091	0.0187	0.0167	0.0109

Q21_1) Does your organization have the appropriate fixed, portable, mobile, deployable, and/or temporary solutions to support interoperability for day-to-day situations. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Strongly agree	ALL	0.0077	0.011	0.013	0.0157
	ECC	0.0166	0.0258	0.0289	0.0307
	EM	0.0142	0.0186	0.0252	0.03
	EMS	0.0129	0.0172	0.0217	0.0266
	FIRE	0.0112	0.0147	0.0185	0.0242
	LE	0.0142	0.0221	0.0243	0.0258
Agree	ALL	0.0098	0.0167	0.0165	0.0181
	ECC	0.0188	0.0327	0.0318	0.033
	EM	0.0185	0.0299	0.0319	0.0342
	EMS	0.0169	0.0287	0.0289	0.0298
	FIRE	0.0148	0.0252	0.0248	0.027
	LE	0.017	0.0311	0.0282	0.0291
Neutral	ALL	0.0074	0.0134	0.012	0.013
	ECC	0.0134	0.0258	0.0224	0.0212
	EM	0.0136	0.0242	0.0218	0.0242
	EMS	0.0132	0.0249	0.0215	0.0218
	FIRE	0.0116	0.021	0.0195	0.0189
	LE	0.0128	0.0255	0.0213	0.0199
Disagree	ALL	0.0062	0.0117	0.0103	0.0097
	ECC	0.0093	0.0179	0.0162	0.0141
	EM	0.0121	0.0235	0.0183	0.0181
	EMS	0.0109	0.0218	0.0173	0.0167
	FIRE	0.0097	0.0183	0.0157	0.0158
	LE	0.0093	0.0177	0.0168	0.0135
Strongly disagree	ALL	0.0049	0.0096	0.0077	0.0081
	ECC	0.0076	0.015	0.0126	0.0113
	EM	0.0087	0.0161	0.0138	0.0145
	EMS	0.0093	0.0166	0.0157	0.0161
	FIRE	0.008	0.0149	0.013	0.0135
	LE	0.0081	0.017	0.014	0.011

Q21_2) Does your organization have the appropriate fixed, portable, mobile, deployable, and/or temporary solutions to support interoperability for out-of-the-ordinary situations. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Strongly agree	ALL	0.006	0.0086	0.0098	0.013
	ECC	0.0134	0.0195	0.0229	0.0264
	EM	0.0111	0.0137	0.0193	0.0251
	EMS	0.01	0.014	0.0151	0.022
	FIRE	0.0088	0.0122	0.0133	0.02
	LE	0.0116	0.0194	0.0183	0.0221
Agree	ALL	0.0094	0.0153	0.0157	0.0177
	ECC	0.0182	0.0304	0.0312	0.0325
	EM	0.0176	0.0275	0.0306	0.0336
	EMS	0.0159	0.0256	0.0273	0.0291
	FIRE	0.014	0.0226	0.0237	0.0263
	LE	0.0164	0.0295	0.0271	0.0287
Neutral	ALL	0.0084	0.0146	0.0139	0.0152
	ECC	0.0153	0.0285	0.0238	0.0266
	EM	0.0156	0.0258	0.0272	0.0284
	EMS	0.0146	0.0264	0.0244	0.0247
	FIRE	0.0127	0.0227	0.0208	0.0222
	LE	0.0144	0.027	0.024	0.0242
Disagree	ALL	0.008	0.014	0.014	0.0127
	ECC	0.0146	0.0274	0.0257	0.0216
	EM	0.0151	0.0269	0.0254	0.0242
	EMS	0.0137	0.0243	0.0247	0.0213
	FIRE	0.0119	0.0206	0.021	0.0199
	LE	0.0127	0.0236	0.0232	0.0183
Strongly disagree	ALL	0.0063	0.0122	0.0098	0.0101
	ECC	0.0103	0.0198	0.0175	0.0158
	EM	0.0116	0.0209	0.02	0.0181
	EMS	0.0117	0.022	0.0188	0.0194
	FIRE	0.0102	0.0194	0.0163	0.0169
	LE	0.0099	0.0205	0.0166	0.0146

Q22) Select the response that best characterizes how well your organization's communications systems meet its mission requirements. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Systems do not currently meet mission requirements	ALL	0.0046	0.0088	0.0077	0.0067
	ECC	0.0061	0.0111	0.012	0.0075
	EM	0.0088	0.0153	0.0148	0.0153
	EMS	0.0085	0.016	0.0148	0.0128
	FIRE	0.0077	0.0145	0.0137	0.0106
	LE	0.0066	0.0137	0.012	0.0082
Systems meet only basic mission requirements	ALL	0.0082	0.0151	0.0137	0.0135
	ECC	0.013	0.0251	0.0212	0.0209
	EM	0.0148	0.0265	0.0252	0.023
	EMS	0.0143	0.0262	0.0244	0.0231
	FIRE	0.0129	0.0233	0.0216	0.0212
	LE	0.0133	0.0273	0.0221	0.0191
Systems meet mission requirements of day-to-day situations, but not out-of-the-ordinary situations	ALL	0.009	0.0157	0.0148	0.0159
	ECC	0.0168	0.0311	0.0278	0.0281
	EM	0.0171	0.0291	0.0297	0.0291
	EMS	0.0156	0.0276	0.0266	0.0266
	FIRE	0.0136	0.0235	0.0226	0.0245
	LE	0.0148	0.0283	0.0241	0.0248
Systems meet all mission requirements of day-to-day and most out-of-the-ordinary situations	ALL	0.0098	0.0157	0.0165	0.0181
	ECC	0.0187	0.0325	0.0315	0.0317
	EM	0.0183	0.0278	0.0317	0.0339
	EMS	0.0166	0.0268	0.0283	0.0302
	FIRE	0.0145	0.0232	0.0242	0.0273
	LE	0.0171	0.0306	0.0285	0.0283

Q23) Has your organization engaged in cybersecurity planning and/or implementation? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0098	0.0169	0.0164	0.0168
	ECC	0.0152	0.0275	0.0248	0.0268
	EM	0.0169	0.0293	0.0286	0.0287
	EMS	0.0171	0.029	0.0291	0.0292
	FIRE	0.015	0.0244	0.0251	0.0271
	LE	0.0152	0.0301	0.0255	0.0229
No	ALL	0.0098	0.0169	0.0164	0.0168
	ECC	0.0152	0.0275	0.0248	0.0268
	EM	0.0169	0.0293	0.0286	0.0287
	EMS	0.0171	0.029	0.0291	0.0292
	FIRE	0.015	0.0244	0.0251	0.0271
	LE	0.0152	0.0301	0.0255	0.0229

Q23a) Select the cybersecurity planning measure your organization uses. (SATA) Note: quantities are proportions of local respondents that selected "Yes" on Q23.

Answer Option	Discipline	All	Rural	Urban	Metro
Risk assessment (Q23a.a)	ALL	0.0103	0.0207	0.0168	0.0162
	ECC	0.0164	0.0303	0.0281	0.0266
	EM	0.0158	0.0305	0.0253	0.0251
	EMS	0.0185	0.039	0.0305	0.0288
	FIRE	0.0186	0.0388	0.0316	0.0277
	LE	0.0166	0.0353	0.0272	0.0253
Incident response plans/policies (Q23a.b)	ALL	0.0126	0.024	0.0209	0.0208
	ECC	0.0201	0.0365	0.034	0.0334
	EM	0.0216	0.0381	0.0363	0.0372
	EMS	0.0232	0.0464	0.0384	0.0372
	FIRE	0.0222	0.044	0.0366	0.0357
	LE	0.0187	0.0382	0.0304	0.0298
Vulnerability response plans/policies (Q23a.c)	ALL	0.013	0.0244	0.0217	0.0212
	ECC	0.021	0.0375	0.0354	0.0345
	EM	0.0219	0.0381	0.037	0.0364
	EMS	0.0237	0.0469	0.0395	0.0379
	FIRE	0.0224	0.0439	0.0371	0.0358
	LE	0.0197	0.0388	0.0337	0.0307
Coordination lead (e.g., incident manager) (Q23a.d)	ALL	0.0127	0.0229	0.0209	0.0219
	ECC	0.0208	0.0367	0.0346	0.0369
	EM	0.0219	0.0369	0.0371	0.0396
	EMS	0.023	0.0457	0.0372	0.0378
	FIRE	0.0214	0.0413	0.0353	0.0353
	LE	0.0199	0.0381	0.0332	0.0323
Incident response team (IRT) (Q23a.e)	ALL	0.0112	0.02	0.0176	0.0202
	ECC	0.0185	0.0312	0.0299	0.0345
	EM	0.0194	0.0318	0.0322	0.0368
	EMS	0.0208	0.0401	0.0333	0.0351
	FIRE	0.0192	0.0348	0.0314	0.0331
	LE	0.0184	0.035	0.0291	0.0311
Integration of cyber threat intelligence (CTI) sources (Q23a.f)	ALL	0.0117	0.02	0.019	0.0212
	ECC	0.02	0.032	0.034	0.0364
	EM	0.0204	0.0324	0.034	0.0388
	EMS	0.0217	0.039	0.036	0.0369
	FIRE	0.0199	0.0363	0.0321	0.0344
	LE	0.0185	0.0343	0.0301	0.0311
Means for collecting digital forensics and other data or evidence (Q23a.g)	ALL	0.0112	0.0181	0.0182	0.0206
	ECC	0.0193	0.0306	0.032	0.0363
	EM	0.0189	0.0283	0.0322	0.0366
	EMS	0.0199	0.0352	0.0323	0.0347
	FIRE	0.0185	0.0325	0.0294	0.0329
	LE	0.0184	0.0331	0.0298	0.0315

Agreement with another entity that provides cybersecurity services (e.g., commercial vendor, internal IT department or function)(Q23a.h)	ALL	0.013	0.0244	0.0216	0.0219
	ECC	0.0208	0.0371	0.0343	0.0365
	EM	0.0221	0.0382	0.0375	0.039
	EMS	0.0239	0.047	0.0395	0.0386
	FIRE	0.0224	0.044	0.037	0.0366
	LE	0.0198	0.0391	0.0329	0.0319
Cybersecurity insurance (Q23a.i)	ALL	0.0119	0.0207	0.02	0.0206
	ECC	0.0196	0.0322	0.0336	0.0353
	EM	0.0204	0.0332	0.0353	0.0372
	EMS	0.0218	0.0396	0.036	0.0369
	FIRE	0.0198	0.0343	0.0334	0.0338
	LE	0.0179	0.0304	0.0311	0.0299
Recovery exercises (e.g., use of failover systems, backup recovery) (Q23a.j)	ALL	0.0123	0.0212	0.0202	0.0216
	ECC	0.0207	0.0351	0.0348	0.0369
	EM	0.0208	0.0324	0.0354	0.0391
	EMS	0.0226	0.0428	0.0368	0.038
	FIRE	0.0207	0.0384	0.0336	0.0353
	LE	0.0194	0.0357	0.0322	0.0321
None of the above (Q23a.k)	ALL	0.0049	0.0109	0.0074	0.0075
	ECC	0.0062	0.0112	0.0072	0.0134
	EM	0.0068	0.0129	0.0097	0.0124
	EMS	0.0092	0.0174	0.0162	0.0146
	FIRE	0.01	0.0224	0.017	0.0139
	LE	0.0071	0.0169	0.0101	0.0109

Q23b) Select the cybersecurity planning measure your organization has implemented. (SATA) Note: quantities are proportions of local respondents that selected "Yes" on Q23.

Answer Option	Discipline	All	Rural	Urban	Metro
Single factor authentication (e.g., passwords) (Q23b.a)	ALL	0.0127	0.023	0.0211	0.0217
	ECC	0.02	0.0328	0.0337	0.0363
	EM	0.0214	0.0362	0.0366	0.0386
	EMS	0.0232	0.0469	0.038	0.037
	FIRE	0.0219	0.0441	0.0362	0.0351
	LE	0.0197	0.0378	0.0331	0.0321
Multi-factor authentication (e.g., smart cards, personal identification verification [PIV] cards, tokens) (Q23b.b)	ALL	0.0125	0.0244	0.0201	0.02
	ECC	0.0194	0.0369	0.0298	0.033
	EM	0.0212	0.0382	0.0334	0.0361
	EMS	0.0229	0.047	0.0368	0.0365
	FIRE	0.0219	0.0443	0.036	0.0345
	LE	0.0182	0.0389	0.0293	0.027
Continuous monitoring (e.g., antivirus, intrusion detection) (Q23b.c)	ALL	0.0093	0.0191	0.0153	0.0143
	ECC	0.0103	0.0202	0.0156	0.0178
	EM	0.0153	0.0324	0.0221	0.0215
	EMS	0.0168	0.039	0.0289	0.0216
	FIRE	0.0176	0.0389	0.0307	0.0238
	LE	0.0131	0.0273	0.0219	0.0204
Backups (Q23b.d)	ALL	0.0095	0.0192	0.0147	0.0158
	ECC	0.013	0.0251	0.0163	0.0256
	EM	0.0154	0.0283	0.0233	0.0281
	EMS	0.0181	0.0379	0.0293	0.0287
	FIRE	0.0186	0.0393	0.0304	0.0292
	LE	0.014	0.0304	0.0219	0.0222
Automated updates (Q23b.e)	ALL	0.0122	0.0234	0.0203	0.0202
	ECC	0.019	0.0335	0.0307	0.0344
	EM	0.0206	0.0373	0.0342	0.0346
	EMS	0.0223	0.0444	0.0376	0.0352
	FIRE	0.0214	0.0434	0.0356	0.0339
	LE	0.0182	0.0367	0.0298	0.0293
Failover system (Q23b.f)	ALL	0.0119	0.0206	0.0198	0.0208
	ECC	0.0211	0.0366	0.0354	0.0372
	EM	0.0202	0.0287	0.0353	0.0384
	EMS	0.0222	0.0411	0.0368	0.0369
	FIRE	0.0202	0.0377	0.0323	0.0344
	LE	0.018	0.0322	0.0303	0.0303
Hardened workstations for monitoring and response activities (Q23b.g)	ALL	0.011	0.0179	0.0184	0.0197
	ECC	0.0191	0.031	0.032	0.0353
	EM	0.0191	0.027	0.033	0.0374
	EMS	0.0199	0.0366	0.0325	0.0339
	FIRE	0.0182	0.0323	0.0301	0.0309
	LE	0.0176	0.0322	0.0295	0.0293

Disk and active memory imaging (Q23b.h)	ALL	0.0103	0.016	0.0177	0.0187
	ECC	0.0182	0.0288	0.0307	0.0342
	EM	0.0176	0.024	0.0314	0.0343
	EMS	0.0186	0.03	0.0322	0.0318
	FIRE	0.0167	0.026	0.0285	0.0292
	LE	0.0167	0.0278	0.0293	0.028
Coordinated response and restoration activities with internal and external parties (Q23b.i)	ALL	0.0115	0.0199	0.0187	0.0205
	ECC	0.0198	0.0328	0.0327	0.0364
	EM	0.0204	0.0312	0.0357	0.0377
	EMS	0.021	0.0379	0.0341	0.0359
	FIRE	0.0186	0.0323	0.0281	0.0333
	LE	0.0179	0.0291	0.03	0.031
Post-incident lessons learned analysis (e.g., hotwash, after-action report) (Q23b.j)	ALL	0.0119	0.0206	0.0196	0.0211
	ECC	0.02	0.0339	0.0332	0.0363
	EM	0.0209	0.0327	0.0354	0.039
	EMS	0.0223	0.0415	0.0364	0.0372
	FIRE	0.0198	0.0347	0.0315	0.0344
	LE	0.0185	0.0315	0.0319	0.0308
None of the above (Q23b.k)	ALL	0.0034	0.0085	0.0049	0.0043
	ECC	0.0025	0.0056	NR	0.0055
	EM	0.0048	0.0116	0.0079	NR
	EMS	0.0077	0.0227	0.0108	0.0082
	FIRE	0.0083	0.0239	0.0134	0.0073
	LE	0.0039	0.0105	0.0064	0.0042

Q23b1) Indicate which continuous monitoring capabilities your organization uses. (SATA) Note: quantities are proportions of local respondents that selected "continuous monitoring" on Q23b.

Answer Option	Discipline	All	Rural	Urban	Metro
Antivirus (AV) software (Q23b1.a)	ALL	0.005	0.0092	0.0077	0.009
	ECC	0.0079	0.0121	0.0107	0.0174
	EM	0.0076	0.0152	0.0126	0.0119
	EMS	0.0096	0.0193	0.0165	0.0148
	FIRE	0.009	0.0181	0.0143	0.0148
	LE	0.0066	0.0123	0.0092	0.0124
Endpoint detection and response (EDR) solutions (Q23b1.b)	ALL	0.0142	0.0259	0.0236	0.0236
	ECC	0.022	0.0381	0.0365	0.0382
	EM	0.024	0.0419	0.0398	0.0414
	EMS	0.0258	0.0492	0.0431	0.041
	FIRE	0.0247	0.0443	0.0418	0.0393
	LE	0.0215	0.0412	0.0363	0.0344
Data loss prevention (DLP) capabilities (Q23b1.c)	ALL	0.014	0.0258	0.0234	0.0235
	ECC	0.0217	0.0374	0.0365	0.0385
	EM	0.0237	0.0419	0.0398	0.0412
	EMS	0.0258	0.0513	0.043	0.0409
	FIRE	0.0248	0.0489	0.0421	0.039
	LE	0.0214	0.0407	0.0362	0.0345
Intrusion detection and prevention systems (IDPS) (Q23b1d)	ALL	0.0142	0.027	0.0237	0.0232
	ECC	0.0218	0.0391	0.0359	0.0371
	EM	0.0241	0.0434	0.0399	0.0408
	EMS	0.026	0.0513	0.0434	0.0398
	FIRE	0.0251	0.0481	0.0421	0.0386
	LE	0.0215	0.0417	0.0364	0.0334
Authorization, host, application, and cloud logs (Q23b1.e)	ALL	0.0142	0.0266	0.0237	0.0236
	ECC	0.022	0.039	0.0369	0.0385
	EM	0.024	0.0423	0.0398	0.0413
	EMS	0.026	0.0522	0.0434	0.0409
	FIRE	0.0251	0.0499	0.0425	0.0393
	LE	0.0216	0.0415	0.0365	0.0345
Network flows (Q23b1.f)	ALL	0.013	0.0227	0.0209	0.0228
	ECC	0.0212	0.0365	0.0348	0.0382
	EM	0.0221	0.0374	0.0353	0.0408
	EMS	0.0238	0.0454	0.0392	0.039
	FIRE	0.0229	0.0443	0.038	0.037
	LE	0.0203	0.0353	0.0335	0.0341
Packet capture (PCAP) (Q23b1.g)	ALL	0.0106	0.0168	0.0172	0.0195
	ECC	0.0185	0.0282	0.0301	0.0359
	EM	0.0185	0.0272	0.0287	0.0373
	EMS	0.0194	0.0323	0.0316	0.0336
	FIRE	0.0181	0.0332	0.03	0.0301
	LE	0.0169	0.0263	0.0287	0.0296

Security information and event management (SIEM) systems (Q23b1.h)	ALL	0.0119	0.0205	0.0194	0.021
	ECC	0.0195	0.0318	0.0309	0.0372
	EM	0.0206	0.0323	0.0353	0.0376
	EMS	0.0226	0.0401	0.0395	0.036
	FIRE	0.0208	0.0388	0.0363	0.033
	LE	0.0189	0.0345	0.0301	0.0323
Other (Q23b1.i)	ALL	0.0066	0.0128	0.0109	0.011
	ECC	0.0106	0.0205	0.0175	0.0174
	EM	0.0104	0.0198	0.0153	0.0191
	EMS	0.0118	0.0222	0.0206	0.0185
	FIRE	0.0113	0.0252	0.0199	0.016
	LE	0.0104	0.0186	0.0171	0.0178

Q23b2) Indicate which backup capabilities and practices your organization uses. (SATA) Note: quantities are proportions of local respondents that selected "backup" on Q23b.

Answer Option	Discipline	All	Rural	Urban	Metro
Manual backups (Q23b2.a)	ALL	0.0143	0.0274	0.0234	0.0241
	ECC	0.0226	0.0406	0.0369	0.04
	EM	0.0242	0.0425	0.04	0.0437
	EMS	0.0264	0.0524	0.0435	0.0429
	FIRE	0.0256	0.0521	0.0421	0.0412
	LE	0.0219	0.044	0.0362	0.035
Automated backups (Q23b2.b)	ALL	0.0069	0.015	0.011	0.0104
	ECC	0.0108	0.0219	0.0167	0.0179
	EM	0.0128	0.0265	0.0213	0.0167
	EMS	0.011	0.0244	0.0196	0.0145
	FIRE	0.0118	0.0276	0.0218	0.0134
	LE	0.0108	0.0265	0.0162	0.0158
Offline backups (Q23b2.c)	ALL	0.014	0.0259	0.0229	0.024
	ECC	0.0223	0.0388	0.0361	0.0403
	EM	0.0239	0.0407	0.0392	0.0437
	EMS	0.026	0.0505	0.0427	0.0426
	FIRE	0.0251	0.048	0.0414	0.041
	LE	0.0213	0.0407	0.035	0.0348
Frequent training on backups (Q23b2.d)	ALL	0.0102	0.016	0.0172	0.0184
	ECC	0.0164	0.021	0.0283	0.0327
	EM	0.0181	0.0249	0.0319	0.0353
	EMS	0.02	0.0335	0.0343	0.0337
	FIRE	0.0186	0.031	0.0313	0.0319
	LE	0.0152	0.0282	0.0237	0.0267
Exercises on restoring from backups (Q23b2.e)	ALL	0.0106	0.0158	0.0176	0.0198
	ECC	0.0173	0.0242	0.0289	0.0344
	EM	0.0176	0.024	0.0303	0.0353
	EMS	0.0205	0.0349	0.0343	0.0351
	FIRE	0.0191	0.0338	0.0302	0.0336
	LE	0.0167	0.0235	0.0268	0.0305
Other (Q23b2.f)	ALL	0.0051	0.0084	0.009	0.0086
	ECC	0.007	0.0158	0.0107	0.0091
	EM	0.0073	0.0102	0.0154	0.0107
	EMS	0.0099	0.0191	0.0183	0.0145
	FIRE	0.01	0.0185	0.0171	0.0163
	LE	0.0075	0.0133	0.0146	0.0108

Q23c) Select the CISA cybersecurity resources your organization uses in its cybersecurity planning and implementation. (SATA) Note: quantities are proportions of local respondents that selected "Yes" on Q23.

Answer Option	Discipline	All	Rural	Urban	Metro
Advanced Malware Analysis Center (AMAC) services (Q23c.a)	ALL	0.0098	0.0174	0.0165	0.017
	ECC	0.0157	0.0277	0.0263	0.0275
	EM	0.0162	0.0251	0.0281	0.0312
	EMS	0.018	0.0332	0.031	0.0295
	FIRE	0.0175	0.0359	0.027	0.0294
	LE	0.0161	0.0333	0.0256	0.0259
Assessment Evaluation and Standardization Program (AES) (Q23c.b)	ALL	0.0076	0.0113	0.0123	0.0147
	ECC	0.0123	0.0203	0.0176	0.0255
	EM	0.0131	0.0177	0.0216	0.0284
	EMS	0.0142	0.0208	0.0223	0.0272
	FIRE	0.0118	0.0202	0.0171	0.0225
	LE	0.0132	0.0218	0.0211	0.0238
CISA Central (Q23c.c)	ALL	0.0095	0.0156	0.0149	0.018
	ECC	0.0165	0.029	0.0247	0.0322
	EM	0.0184	0.0209	0.033	0.0381
	EMS	0.0157	0.0208	0.0234	0.0314
	FIRE	0.0143	0.0202	0.0202	0.0289
	LE	0.0144	0.0257	0.0211	0.0262
Cyber Essentials (Q23c.d)	ALL	0.0081	0.0132	0.0123	0.016
	ECC	0.0145	0.0249	0.0209	0.0292
	EM	0.0152	0.0209	0.0233	0.0336
	EMS	0.0161	0.0252	0.0223	0.032
	FIRE	0.0141	0.0252	0.0202	0.0267
	LE	0.0134	0.0229	0.0217	0.0238
Cyber Infrastructure Survey (Q23c.e)	ALL	0.0095	0.0154	0.0163	0.017
	ECC	0.0164	0.0271	0.0273	0.0308
	EM	0.0183	0.0259	0.0326	0.0356
	EMS	0.017	0.0252	0.0288	0.0308
	FIRE	0.0147	0.0252	0.0236	0.0267
	LE	0.0148	0.0248	0.0256	0.0249
Cyber Resiliency Review (CRR) (Q23c.f)	ALL	0.0071	0.0123	0.0116	0.0129
	ECC	0.0123	0.0213	0.0201	0.0224
	EM	0.0138	0.0209	0.0233	0.0276
	EMS	0.0127	0.0181	0.0198	0.0247
	FIRE	0.0115	0.0202	0.0171	0.0217
	LE	0.0105	0.0194	0.0185	0.0168
Cybersecurity Advisory (CSA) Program (Q23c.g)	ALL	0.0095	0.0163	0.0153	0.0176
	ECC	0.0167	0.0284	0.0258	0.0326
	EM	0.018	0.0244	0.0313	0.0365
	EMS	0.0172	0.0303	0.0263	0.0314
	FIRE	0.0154	0.0266	0.0236	0.0284
	LE	0.0149	0.0257	0.0243	0.0262

Cybersecurity Assessment and Risk Management Approach (Q23c.h)	ALL	0.0129	0.024	0.0207	0.0224
	ECC	0.0219	0.0397	0.0352	0.0392
	EM	0.0219	0.038	0.0342	0.0413
	EMS	0.0231	0.0472	0.0365	0.0379
	FIRE	0.0214	0.0435	0.0336	0.0355
	LE	0.0208	0.0406	0.0344	0.0341
Cybersecurity Evaluation Tool (CSET) (Q23c.i)	ALL	0.0092	0.0152	0.0156	0.0166
	ECC	0.0151	0.0249	0.0241	0.0292
	EM	0.0175	0.0272	0.0287	0.0351
	EMS	0.0172	0.0288	0.0263	0.032
	FIRE	0.0152	0.0266	0.0202	0.0299
	LE	0.0139	0.0248	0.0222	0.0242
Continuous Diagnostics and Mitigation (CDM) (Q23c.j)	ALL	0.0081	0.0147	0.0137	0.0139
	ECC	0.0137	0.0232	0.0235	0.0241
	EM	0.014	0.0236	0.0233	0.0259
	EMS	0.0146	0.0303	0.0244	0.0227
	FIRE	0.012	0.0266	0.0182	0.019
	LE	0.0125	0.0257	0.0199	0.0202
Enhanced Cybersecurity Services (ECS) (Q23c.k)	ALL	0.0071	0.0099	0.0129	0.0127
	ECC	0.0121	0.0192	0.0193	0.0241
	EM	0.0122	0.0164	0.0206	0.0259
	EMS	0.0137	0.0208	0.0234	0.0247
	FIRE	0.0134	0.0237	0.0202	0.0247
	LE	0.0125	0.0218	0.0222	0.0202
External Dependencies Management (EDM) Assessment (Q23c.l)	ALL	0.0045	0.0064	0.0068	0.0092
	ECC	0.0072	0.0098	0.0119	0.0149
	EM	0.0089	0.0117	0.0133	0.0208
	EMS	0.0091	0.0149	0.0132	0.0179
	FIRE	0.0089	0.0158	0.0114	0.018
	LE	0.0074	0.0129	0.0122	0.013
Federal Virtual Training Environment (FedVTE) (Q23c.m)	ALL	0.005	0.0064	0.0082	0.01
	ECC	0.0096	0.012	0.0145	0.0216
	EM	0.0095	0.0096	0.0149	0.023
	EMS	0.0091	0.0149	0.0108	0.0192
	FIRE	0.0079	0.013	0.0093	0.0169
	LE	0.0072	0.0075	0.0122	0.0139
Hunt and Incident Response Team (HIRT) Services (Q23c.n)	ALL	0.0035	0.005	0.0056	0.007
	ECC	0.0068	0.0098	0.0103	0.0149
	EM	0.0077	0.0068	0.0133	0.0181
	EMS	0.0078	0.0106	0.0108	0.0164
	FIRE	0.0072	0.0092	0.0114	0.0144
	LE	0.0058	0.0075	0.0109	0.0099
ICTAP 9-1-1/PSAP/LMR Cyber Assessment (Q23c.o)	ALL	0.0068	0.0113	0.0118	0.012
	ECC	0.0137	0.0223	0.0229	0.0255
	EM	0.0128	0.0199	0.0216	0.025
	EMS	0.0127	0.0181	0.0198	0.0247
	FIRE	0.0118	0.0202	0.0171	0.0225
	LE	0.0103	0.0165	0.0205	0.0154
	ALL	0.0086	0.0134	0.0149	0.0153

ICTAP 9-1-1/PSAP/LMR Cyber Awareness Course (Q23c.p)	ECC	0.016	0.0232	0.0291	0.0292
	EM	0.0153	0.0218	0.0248	0.0324
	EMS	0.0163	0.0149	0.028	0.0314
	FIRE	0.0147	0.0202	0.0243	0.0278
	LE	0.0132	0.0218	0.0243	0.0212
Joint Cyber Defense Collaborative (JCDC) (Q23c.q)	ALL	0.0047	0.0064	0.0072	0.0097
	ECC	0.0083	0.0098	0.0103	0.0206
	EM	0.0083	0.0096	0.0133	0.0195
	EMS	0.0078	NR	0.0152	0.0147
	FIRE	0.0072	0.0092	0.0114	0.0144
	LE	0.0081	0.0105	0.0122	0.0161
Public Safety Communications and Cyber Resiliency Toolkit (Q23c.r)	ALL	0.0107	0.0185	0.0166	0.0199
	ECC	0.0185	0.0318	0.0273	0.0365
	EM	0.0201	0.0321	0.0313	0.0403
	EMS	0.0195	0.0378	0.028	0.0351
	FIRE	0.0176	0.0313	0.0282	0.0313
	LE	0.0157	0.0289	0.0252	0.0269
Remote Penetration Testing (RPT) (Q23c.s)	ALL	0.0087	0.0145	0.014	0.0162
	ECC	0.0164	0.0271	0.0258	0.0322
	EM	0.0152	0.0227	0.0248	0.0312
	EMS	0.0163	0.0288	0.0263	0.0288
	FIRE	0.0143	0.0266	0.0202	0.0267
	LE	0.014	0.0266	0.0199	0.0252
Vulnerability/cyber hygiene scanning (Q23c.t)	ALL	0.0083	0.0123	0.0143	0.0153
	ECC	0.0155	0.0232	0.0263	0.0298
	EM	0.015	0.0164	0.0262	0.033
	EMS	0.0166	0.0288	0.0272	0.0295
	FIRE	0.0146	0.0266	0.022	0.0267
	LE	0.0145	0.0229	0.0248	0.0252
Web Application Scanning (Q23c.u)	ALL	0.011	0.018	0.0188	0.0197
	ECC	0.0184	0.0307	0.0291	0.0356
	EM	0.0176	0.0259	0.0281	0.0369
	EMS	0.0207	0.0332	0.0356	0.036
	FIRE	0.0198	0.0313	0.0343	0.034
	LE	0.018	0.0328	0.0306	0.0298
None of the above (Q23c.v)	ALL	0.0137	0.0263	0.023	0.0221
	ECC	0.0216	0.0395	0.0358	0.0368
	EM	0.022	0.0391	0.0385	0.0351
	EMS	0.0257	0.051	0.0434	0.0398
	FIRE	0.0239	0.0473	0.0404	0.0371
	LE	0.0205	0.0408	0.0351	0.0317

Q24) In the event of a cyber incident, which entities are alerted or engaged by your organization? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Agency's own IT resources (Q24.a)	ALL	0.0096	0.0171	0.0157	0.0159
	ECC	0.0131	0.0259	0.0195	0.0219
	EM	0.0165	0.0293	0.0274	0.0263
	EMS	0.0169	0.0299	0.0285	0.028
	FIRE	0.0152	0.0256	0.0255	0.0264
	LE	0.0141	0.0287	0.0237	0.0209
Parent organization or agency's IT resources (Q24.b)	ALL	0.0091	0.0142	0.0155	0.0175
	ECC	0.0186	0.0303	0.0321	0.0332
	EM	0.0177	0.0274	0.0313	0.0338
	EMS	0.0153	0.0233	0.0264	0.0291
	FIRE	0.0129	0.0205	0.0212	0.0255
	LE	0.0159	0.0277	0.027	0.0277
IT cybersecurity vendor (Q24.c)	ALL	0.0096	0.0156	0.016	0.0181
	ECC	0.0191	0.0327	0.0326	0.0337
	EM	0.0185	0.03	0.0318	0.0347
	EMS	0.016	0.0253	0.0273	0.0301
	FIRE	0.0132	0.0195	0.0225	0.0262
	LE	0.0172	0.0314	0.0289	0.0294
Organizations with interconnected networks (e.g., equipment vendors, partner agencies) (Q24.d)	ALL	0.0092	0.0144	0.0155	0.0178
	ECC	0.0192	0.033	0.0327	0.0338
	EM	0.0177	0.027	0.0313	0.0341
	EMS	0.0149	0.0233	0.0258	0.0281
	FIRE	0.0119	0.0184	0.0189	0.0243
	LE	0.0168	0.0282	0.0284	0.0292
Cybersecurity and Infrastructure Security Agency (CISA) (e.g., CISA Central, Automated Indicator Sharing [AIS]) (Q24.e)	ALL	0.0062	0.0094	0.01	0.013
	ECC	0.0145	0.0246	0.023	0.0273
	EM	0.0146	0.0211	0.0259	0.0293
	EMS	0.0091	0.0143	0.0146	0.0185
	FIRE	0.0072	0.0112	0.0099	0.0163
	LE	0.0115	0.0198	0.0174	0.0221
Federal Bureau of Investigation (FBI) (e.g., field offices, Internet Crime Complaint Center [IC3], InfraGard) (Q24.f)	ALL	0.0076	0.0109	0.0127	0.0156
	ECC	0.0167	0.0262	0.029	0.0309
	EM	0.0151	0.0225	0.0261	0.0306
	EMS	0.0109	0.0165	0.0181	0.0219
	FIRE	0.0089	0.014	0.0135	0.0189
	LE	0.0153	0.0237	0.0263	0.0276
Multi-State Information Sharing and Analysis Center (MS-ISAC) (Q24.g)	ALL	0.0048	0.0065	0.0086	0.0097
	ECC	0.0113	0.0162	0.0209	0.0211
	EM	0.0111	0.0128	0.0213	0.0236
	EMS	0.0067	0.0094	0.0125	0.0126
	FIRE	0.0052	0.0076	0.0081	0.0114
	LE	0.0091	0.0144	0.0151	0.0173

United States Secret Service (Q24.h)	ALL	0.0028	0.0033	0.0032	0.0075
	ECC	0.0064	0.0077	0.0095	0.0148
	EM	0.0061	0.0092	0.0084	0.0145
	EMS	0.0032	0.0062	NR	0.0077
	FIRE	0.0033	0.0047	0.0037	0.0087
	LE	0.0066	0.0099	0.0076	0.0151
Tribal-based support (Q24.i)	ALL	0.0012	0.0023	0.002	0.002
	ECC	0.0021	0.0045	NR	0.0046
	EM	0.0028	0.0053	0.0042	0.005
	EMS	0.0017	NR	0.0036	0.0039
	FIRE	0.0013	0.0027	NR	0.0031
	LE	0.0021	0.0041	0.0034	0.0035
Region-based support (Q24.j)	ALL	0.0047	0.0062	0.0069	0.011
	ECC	0.011	0.0139	0.0183	0.0236
	EM	0.0101	0.0118	0.0148	0.0257
	EMS	0.0072	0.0087	0.0134	0.0146
	FIRE	0.0061	0.0089	0.0092	0.0138
	LE	0.0082	0.0091	0.0125	0.0181
State-based support (e.g., National Guard, fusion center, state-sponsored cyber unit) (Q24.k)	ALL	0.0077	0.0128	0.0129	0.0145
	ECC	0.0172	0.0295	0.0303	0.0295
	EM	0.0164	0.0272	0.0285	0.0297
	EMS	0.011	0.0177	0.019	0.0206
	FIRE	0.0093	0.0159	0.0145	0.0181
	LE	0.014	0.0237	0.024	0.0244
Local-based support beyond the immediate organization (Q24.l)	ALL	0.0076	0.0125	0.0128	0.0146
	ECC	0.0154	0.0238	0.0277	0.028
	EM	0.0149	0.0229	0.0265	0.0283
	EMS	0.013	0.0208	0.0223	0.0245
	FIRE	0.011	0.0169	0.0188	0.0217
	LE	0.0131	0.0227	0.0223	0.023
Other (Q24.m)	ALL	0.0041	0.0065	0.0071	0.0078
	ECC	0.0086	0.0145	0.0144	0.016
	EM	0.0077	0.0092	0.0142	0.0173
	EMS	0.0066	0.0087	0.0121	0.0132
	FIRE	0.0056	0.0085	0.0096	0.011
	LE	0.0071	0.0114	0.0133	0.0119
None of the above (Q24.n)	ALL	0.007	0.0137	0.0114	0.0101
	ECC	0.0059	0.0125	0.0073	0.0101
	EM	0.0093	0.0183	0.0142	0.0137
	EMS	0.0135	0.0267	0.0223	0.0185
	FIRE	0.013	0.0246	0.0218	0.0183
	LE	0.0067	0.0127	0.0129	0.0091

Q25) Indicate the types of cyber attacks that your organization has experienced? (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Phishing/email spoofing attack (Q25.a)	ALL	0.0109	0.0203	0.0177	0.0179
	ECC	0.0189	0.0366	0.0299	0.0296
	EM	0.0174	0.0324	0.0286	0.0269
	EMS	0.0197	0.0366	0.0324	0.0321
	FIRE	0.0181	0.0316	0.0299	0.0303
	LE	0.0171	0.0366	0.0273	0.0254
Ransomware attack (Q25.b)	ALL	0.0098	0.0162	0.0163	0.0184
	ECC	0.0182	0.0306	0.0311	0.0327
	EM	0.0192	0.0308	0.0324	0.0368
	EMS	0.017	0.0288	0.0273	0.0318
	FIRE	0.0146	0.0224	0.0243	0.0283
	LE	0.0175	0.0321	0.0284	0.0302
Password or credential attack (i.e., unauthorized use of password or credential) (Q25.c)	ALL	0.0093	0.0137	0.0153	0.0188
	ECC	0.0174	0.0259	0.0289	0.0339
	EM	0.0195	0.0269	0.0343	0.0387
	EMS	0.0168	0.0245	0.0295	0.0311
	FIRE	0.0148	0.0201	0.0255	0.0292
	LE	0.0164	0.0249	0.0263	0.0305
Denial of service attack (Q25.d)	ALL	0.0061	0.008	0.0107	0.0123
	ECC	0.0126	0.018	0.0212	0.0255
	EM	0.0148	0.0188	0.0283	0.0289
	EMS	0.0103	0.0129	0.0196	0.019
	FIRE	0.0092	0.0107	0.017	0.0184
	LE	0.0115	0.0157	0.0201	0.0213
Telephony denial of service (TDoS) attack (Q25.e)	ALL	0.005	0.0062	0.0088	0.0103
	ECC	0.0129	0.0172	0.0227	0.0259
	EM	0.0098	0.0125	0.0167	0.0217
	EMS	0.0084	0.0075	0.0155	0.0173
	FIRE	0.007	0.0041	0.0135	0.0152
	LE	0.0089	0.0112	0.0144	0.0179
Jamming (Q25.f)	ALL	0.0033	0.005	0.0036	0.008
	ECC	0.0064	0.0079	0.0088	0.0154
	EM	0.0074	0.0073	0.0093	0.0201
	EMS	0.0061	NR	0.0091	0.0153
	FIRE	0.0051	0.0041	0.0064	0.0136
	LE	0.0063	0.0112	0.006	0.0139
Domain name service (DNS) tunneling attack (Q25.g)	ALL	0.0039	0.005	0.0067	0.0082
	ECC	0.0073	0.011	0.0101	0.0163
	EM	0.0088	0.0135	0.0131	0.0193
	EMS	0.0079	0.0092	0.0149	0.0153
	FIRE	0.0065	0.0071	0.0115	0.0142
	LE	0.0072	0.0112	0.0111	0.0139

Doxing attack (i.e., data accessed with information threatened to be sold or revealed) (Q25.h)	ALL	0.0035	0.0041	0.0059	0.0076
	ECC	0.0064	0.0079	0.0101	0.0145
	EM	0.008	0.0089	0.0141	0.0183
	EMS	0.0073	0.0075	0.0149	0.0129
	FIRE	0.0057	0.0058	0.0104	0.0124
	LE	0.0068	0.0112	0.0094	0.0139
Other malware (e.g., viruses, trojans) (Q25.i)	ALL	0.0108	0.0178	0.0182	0.02
	ECC	0.0201	0.0331	0.0347	0.0362
	EM	0.0209	0.0347	0.0355	0.0386
	EMS	0.0187	0.0291	0.0321	0.0339
	FIRE	0.0163	0.0244	0.0277	0.031
	LE	0.0188	0.0326	0.0318	0.032
Internet of Things-based attack (i.e., attacker entered network through "smart" devices or systems) (Q25.j)	ALL	0.003	0.0044	0.0053	0.0057
	ECC	0.0057	0.0096	0.0088	0.011
	EM	0.0064	0.0089	0.0107	0.0138
	EMS	0.0054	0.0053	0.0111	0.0098
	FIRE	0.0044	0.0058	0.0082	0.0083
	LE	0.0051	0.0097	0.0094	0.0074
Other types of attack (e.g., SQL injection, cross-scripting, eavesdropping) (Q25.k)	ALL	0.0037	0.0059	0.0067	0.0066
	ECC	0.0078	0.0079	0.0124	0.018
	EM	0.0086	0.0125	0.0159	0.0163
	EMS	0.0074	0.0139	0.0128	0.0119
	FIRE	0.0057	0.0099	0.0104	0.0093
	LE	0.0078	0.0112	0.0138	0.0139
Attacks of unknown type (Q25.l)	ALL	0.0061	0.0092	0.0102	0.0122
	ECC	0.0109	0.0163	0.0191	0.0207
	EM	0.013	0.0194	0.0195	0.0289
	EMS	0.0111	0.0148	0.0196	0.0215
	FIRE	0.0092	0.0107	0.017	0.0184
	LE	0.0103	0.0157	0.0159	0.0199
Our organization has not identified any cyber attacks (Q25.m)	ALL	0.0101	0.0193	0.0161	0.016
	ECC	0.0167	0.0335	0.0255	0.0263
	EM	0.0148	0.0282	0.0253	0.0201
	EMS	0.0184	0.0359	0.0293	0.0295
	FIRE	0.0173	0.032	0.0283	0.0278
	LE	0.0152	0.0338	0.024	0.0222

Q26) Complete this sentence: "Our organization is _____ in our ability to detect and respond to cybersecurity threats and vulnerabilities." (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Not confident	ALL	0.0087	0.0164	0.0142	0.0132
	ECC	0.0109	0.0226	0.0168	0.0165
	EM	0.0147	0.0277	0.0231	0.0215
	EMS	0.0163	0.0295	0.0273	0.0267
	FIRE	0.0146	0.0258	0.0246	0.024
	LE	0.0115	0.0261	0.0193	0.0128
Somewhat confident	ALL	0.0099	0.0168	0.0166	0.0182
	ECC	0.0189	0.0331	0.0319	0.0332
	EM	0.0188	0.0306	0.0322	0.0352
	EMS	0.0169	0.0287	0.0292	0.0297
	FIRE	0.0148	0.0248	0.0246	0.0274
	LE	0.0169	0.0316	0.0281	0.0284
Confident	ALL	0.0092	0.0142	0.0157	0.0179
	ECC	0.0189	0.0328	0.0321	0.0332
	EM	0.0173	0.0255	0.0309	0.0335
	EMS	0.0152	0.0236	0.0259	0.029
	FIRE	0.0129	0.0196	0.0219	0.0254
	LE	0.0171	0.0298	0.0287	0.0295
Very Confident	ALL	0.0043	0.0048	0.0071	0.0102
	ECC	0.0108	0.0152	0.0188	0.0215
	EM	0.0073	0.0091	0.0123	0.0173
	EMS	0.0074	0.01	0.0104	0.0173
	FIRE	0.0057	0.008	0.0077	0.0139
	LE	0.0099	0.0132	0.0165	0.0198

Q27) Complete this sentence: "Since 2018, cybersecurity incidents have had _____ on the ability of our organization to communicate." (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Severe impact	ALL	0.0035	0.0057	0.0063	0.006
	ECC	0.0058	0.0109	0.0112	0.0072
	EM	0.0062	0.0088	0.0105	0.0134
	EMS	0.0057	0.0093	0.0099	0.0106
	FIRE	0.0052	0.0078	0.0098	0.0094
	LE	0.0058	0.0104	0.01	0.0098
Some impact	ALL	0.0078	0.0122	0.0132	0.0149
	ECC	0.0141	0.0219	0.0256	0.0251
	EM	0.0165	0.0269	0.0277	0.0318
	EMS	0.0123	0.0171	0.0236	0.022
	FIRE	0.011	0.0151	0.0194	0.022
	LE	0.0136	0.0214	0.0237	0.024
Minimal impact	ALL	0.0106	0.0179	0.0178	0.0193
	ECC	0.0199	0.0342	0.0337	0.0355
	EM	0.0201	0.0328	0.0343	0.0372
	EMS	0.0184	0.0316	0.0312	0.0329
	FIRE	0.016	0.0265	0.0272	0.0295
	LE	0.018	0.0338	0.0302	0.03
No impact	ALL	0.0107	0.0186	0.0177	0.0189
	ECC	0.0199	0.0352	0.0328	0.0352
	EM	0.0182	0.0322	0.0293	0.032
	EMS	0.0186	0.0323	0.0315	0.0323
	FIRE	0.0166	0.028	0.0279	0.0293
	LE	0.0181	0.0342	0.0302	0.0299

Q28_1) Select the response that best characterizes your organization's security for facilities. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Physical security is present only as a consequence of other requirements (e.g., building codes, zoning requirements, architectural recommendations/guidance, SOPs/SOGs) and what may be found in a similar commercial building or facility.	ALL	0.0102	0.0175	0.017	0.0179
	ECC	0.0174	0.0323	0.0292	0.0282
	EM	0.0188	0.0313	0.0317	0.0341
	EMS	0.0178	0.0302	0.0301	0.031
	FIRE	0.0156	0.0257	0.026	0.0282
	LE	0.0165	0.0323	0.0277	0.0257
Solution sets designed and implemented for the intended occupancy, purpose, and use of the building/facility.	ALL	0.0101	0.0168	0.017	0.0187
	ECC	0.0194	0.034	0.0329	0.0334
	EM	0.0188	0.03	0.0323	0.0355
	EMS	0.0173	0.0283	0.0297	0.0313
	FIRE	0.0148	0.0235	0.0248	0.0283
	LE	0.0177	0.0324	0.0297	0.0298
Mitigation, response, and recovery procedures identified through formal risk assessment(s) are regularly trained and exercised, incorporating the physical security.	ALL	0.0073	0.0114	0.0121	0.0146
	ECC	0.0153	0.0256	0.0267	0.0268
	EM	0.0136	0.0207	0.0244	0.0262
	EMS	0.0117	0.0187	0.0199	0.0223
	FIRE	0.0098	0.0162	0.0159	0.0194
	LE	0.0143	0.0254	0.0237	0.0249

Q28_1) Select the response that best characterizes your organization's security for communications infrastructure. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Physical security is present only as a consequence of other requirements (e.g., building codes, zoning requirements, architectural recommendations/guidance, SOPs/SOGs) and what may be found in a similar commercial building or facility.	ALL	0.0102	0.0176	0.0169	0.0177
	ECC	0.0171	0.0321	0.0288	0.0274
	EM	0.0186	0.0312	0.0312	0.0325
	EMS	0.0178	0.0307	0.0301	0.0308
	FIRE	0.0157	0.026	0.0261	0.0281
	LE	0.0163	0.0322	0.0276	0.0247
Solution sets designed and implemented for the intended occupancy, purpose, and use of the building/facility.	ALL	0.0101	0.0169	0.017	0.0187
	ECC	0.0194	0.0341	0.0329	0.0335
	EM	0.0189	0.0302	0.0324	0.0355
	EMS	0.0174	0.0291	0.0297	0.0314
	FIRE	0.0149	0.0237	0.0248	0.0283
	LE	0.0177	0.0323	0.0297	0.0298
Mitigation, response, and recovery procedures identified through formal risk assessment(s) are regularly trained and exercised, incorporating the physical security.	ALL	0.0077	0.0118	0.0128	0.0156
	ECC	0.0155	0.0252	0.0273	0.0279
	EM	0.0143	0.0212	0.0256	0.028
	EMS	0.0127	0.0195	0.0216	0.0246
	FIRE	0.0107	0.0171	0.0169	0.0219
	LE	0.0149	0.0268	0.0244	0.026

Q29) Select the response that best characterizes your organization's emergency communications training.
(SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
No personnel have received training	ALL	0.004	0.0081	0.0068	0.0054
	ECC	0.0029	NR	0.006	0.0063
	EM	0.0066	0.0118	0.0117	0.0098
	EMS	0.0072	0.014	0.0129	0.0099
	FIRE	0.0068	0.0134	0.0119	0.0087
	LE	0.0061	0.0145	0.0112	0.0049
Personnel have received informal training, at most	ALL	0.009	0.0162	0.0151	0.0151
	ECC	0.0117	0.0235	0.0182	0.0188
	EM	0.0163	0.0286	0.0275	0.0276
	EMS	0.0161	0.0294	0.027	0.0265
	FIRE	0.0139	0.0246	0.0238	0.0234
	LE	0.0142	0.0277	0.0239	0.0225
Some personnel have received formal training	ALL	0.0093	0.0157	0.0156	0.0174
	ECC	0.0169	0.0295	0.0287	0.0295
	EM	0.0183	0.0297	0.0316	0.034
	EMS	0.0158	0.0248	0.0279	0.0287
	FIRE	0.0139	0.0232	0.0226	0.0264
	LE	0.0162	0.0291	0.0268	0.0279
Substantially all personnel have received formal and regular training	ALL	0.0098	0.0159	0.0165	0.0183
	ECC	0.0186	0.033	0.0313	0.0321
	EM	0.0179	0.028	0.0307	0.0346
	EMS	0.0167	0.0283	0.028	0.0304
	FIRE	0.0147	0.0245	0.0245	0.0273
	LE	0.0173	0.0317	0.0292	0.0293

Q29a) Evaluations of training are documented and assessed along with changing operational environment to adapt future training to address gaps and needs. (SOR) Note: quantities are proportions of local respondents that did not select "No personnel have received training" on Q29.

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0102	0.0177	0.0171	0.018
	ECC	0.0171	0.0294	0.0303	0.0289
	EM	0.0189	0.0312	0.0328	0.0341
	EMS	0.0178	0.0309	0.0303	0.0311
	FIRE	0.0157	0.0271	0.0263	0.0278
	LE	0.0167	0.0311	0.0282	0.0276
No	ALL	0.0102	0.0177	0.0171	0.018
	ECC	0.0171	0.0294	0.0303	0.0289
	EM	0.0189	0.0312	0.0328	0.0341
	EMS	0.0178	0.0309	0.0303	0.0311
	FIRE	0.0157	0.0271	0.0263	0.0278
	LE	0.0167	0.0311	0.0282	0.0276

Q29b) Select the topics that are included in your organization's emergency communications training. (SATA)
 Note: quantities are proportions of local respondents that did not select "No personnel have received training" on Q29.

Answer Option	Discipline	All	Rural	Urban	Metro
National Incident Management System (NIMS) Incident Command System (ICS) (Q29b.a)	ALL	0.007	0.0125	0.0112	0.0126
	ECC	0.0117	0.0221	0.0199	0.0187
	EM	0.0121	0.0217	0.0205	0.0198
	EMS	0.0114	0.0218	0.0178	0.0194
	FIRE	0.0104	0.0199	0.0166	0.0172
	LE	0.0132	0.0268	0.0209	0.0213
Software training/refresher (Q29b.b)	ALL	0.0101	0.0166	0.017	0.0187
	ECC	0.0185	0.0327	0.0315	0.0322
	EM	0.0187	0.0295	0.0324	0.0354
	EMS	0.0172	0.0281	0.0299	0.0307
	FIRE	0.0145	0.0225	0.0246	0.0274
	LE	0.0177	0.0329	0.0298	0.0293
Communications Unit (COMU) (Q29b.c)	ALL	0.0083	0.013	0.0138	0.0163
	ECC	0.0172	0.0285	0.0283	0.0323
	EM	0.0167	0.0261	0.0278	0.0334
	EMS	0.014	0.0229	0.0247	0.0251
	FIRE	0.0119	0.0195	0.0199	0.0225
	LE	0.0148	0.0266	0.0242	0.0257
Commonly used frequencies (Q29b.d)	ALL	0.0103	0.0177	0.0172	0.0187
	ECC	0.0191	0.0333	0.0322	0.0338
	EM	0.0191	0.0314	0.0326	0.0353
	EMS	0.0175	0.0308	0.0294	0.0304
	FIRE	0.0154	0.0269	0.0254	0.0277
	LE	0.0176	0.0331	0.0298	0.0289
Frequency jamming detection/location (Q29b.e)	ALL	0.003	0.0045	0.0048	0.0063
	ECC	0.0075	0.011	0.0126	0.0149
	EM	0.0063	0.0078	0.0113	0.0139
	EMS	0.0049	0.0038	0.009	0.0108
	FIRE	0.0039	0.0051	0.0068	0.0083
	LE	0.0062	0.0106	0.01	0.0113
Equipment training/refresher (Q29b.f)	ALL	0.0102	0.0177	0.017	0.0185
	ECC	0.0177	0.0315	0.0286	0.0317
	EM	0.0189	0.0314	0.0312	0.0351
	EMS	0.0177	0.0309	0.0297	0.0307
	FIRE	0.0155	0.0271	0.0255	0.0276
	LE	0.0177	0.0331	0.0298	0.0294
Backup systems (Q29b.g)	ALL	0.0089	0.014	0.015	0.0173
	ECC	0.0191	0.0326	0.0325	0.0339
	EM	0.0168	0.0254	0.0298	0.0322
	EMS	0.0149	0.0224	0.0267	0.0275
	FIRE	0.0124	0.0187	0.0215	0.0238
	LE	0.0162	0.0264	0.0277	0.0284

Cybersecurity (Q29b.h)	ALL	0.0095	0.015	0.0159	0.0182
	ECC	0.0193	0.0333	0.0327	0.0339
	EM	0.0179	0.0275	0.0315	0.0344
	EMS	0.0153	0.0245	0.0267	0.0281
	FIRE	0.0128	0.0196	0.0211	0.0252
	LE	0.0176	0.0309	0.0297	0.0295
Radio/device encryption (Q29b.i)	ALL	0.0082	0.0124	0.0138	0.0162
	ECC	0.0174	0.0285	0.03	0.0317
	EM	0.0157	0.0232	0.029	0.0299
	EMS	0.0132	0.021	0.0228	0.0243
	FIRE	0.0114	0.0176	0.019	0.0225
	LE	0.016	0.0282	0.0267	0.0277
Radio etiquette and terminology (Q29b.j)	ALL	0.0094	0.0168	0.0158	0.0162
	ECC	0.0147	0.0265	0.0237	0.0263
	EM	0.0181	0.0308	0.0303	0.0324
	EMS	0.0161	0.0293	0.0271	0.0267
	FIRE	0.014	0.0253	0.0233	0.0241
	LE	0.0165	0.0313	0.0282	0.0267
National Interoperability Field Operations Guide (NIFOG) (Q29b.k)	ALL	0.0066	0.0103	0.0114	0.0127
	ECC	0.0143	0.0218	0.0252	0.0268
	EM	0.015	0.0232	0.0264	0.0289
	EMS	0.0103	0.0164	0.0178	0.0194
	FIRE	0.0087	0.0141	0.0146	0.0164
	LE	0.0102	0.0159	0.017	0.0188
Continuity procedures (Q29b.l)	ALL	0.0091	0.0148	0.0152	0.0174
	ECC	0.0193	0.0335	0.0326	0.0339
	EM	0.0175	0.0277	0.0306	0.0332
	EMS	0.0149	0.0235	0.0258	0.0275
	FIRE	0.0125	0.0192	0.0217	0.0236
	LE	0.0164	0.0282	0.0274	0.0285
Health and wellness (e.g., ergonomics, fatigue) (Q29b.m)	ALL	0.0094	0.0156	0.0157	0.0178
	ECC	0.0193	0.0337	0.0327	0.0339
	EM	0.0168	0.0269	0.0281	0.033
	EMS	0.016	0.027	0.0266	0.0294
	FIRE	0.0134	0.022	0.0226	0.0251
	LE	0.0172	0.031	0.0289	0.0291
Psychological impacts of video and data use (e.g., overload, consumption of disturbing/graphic images) (Q29b.n)	ALL	0.0058	0.0096	0.0097	0.0108
	ECC	0.0146	0.0257	0.0263	0.0231
	EM	0.0108	0.0177	0.0182	0.0208
	EMS	0.0087	0.0139	0.0153	0.0159
	FIRE	0.0074	0.0118	0.0132	0.0137
	LE	0.0111	0.0207	0.0195	0.0175
Interoperability plans and practices specific to our organization (Q29b.o)	ALL	0.01	0.0165	0.0167	0.0186
	ECC	0.0193	0.0337	0.0326	0.0337
	EM	0.0188	0.0299	0.0326	0.0354
	EMS	0.017	0.0271	0.0288	0.031
	FIRE	0.0147	0.0238	0.0241	0.0277
	LE	0.0173	0.0307	0.0291	0.0293
	ALL	0.0083	0.0139	0.0136	0.0156

Priority telecommunications services (Q29b.p)	ECC	0.0184	0.0328	0.0306	0.0319
	EM	0.0162	0.0261	0.0262	0.032
	EMS	0.0133	0.0241	0.0228	0.0221
	FIRE	0.011	0.0195	0.0181	0.0194
	LE	0.0153	0.0288	0.025	0.0259
None of the above (Q29b.q)	ALL	0.0035	0.0067	0.006	0.0048
	ECC	0.0036	0.009	0.006	NR
	EM	0.0063	0.0128	0.0113	0.005
	EMS	0.005	0.0085	0.0116	0.0039
	FIRE	0.0051	0.0091	0.0106	0.0054
	LE	0.0062	0.0148	0.0086	0.0091

Q29c) Select the external groups that are included in your organization's emergency communications training.
(SATA) Note: quantities are proportions of local respondents that did not select "No personnel have received training" on Q29.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q29c.a)	ALL	0.0097	0.017	0.016	0.0172
	ECC	0.0173	0.0322	0.029	0.0283
	EM	0.0167	0.0287	0.027	0.0309
	EMS	0.0167	0.0298	0.0284	0.0285
	FIRE	0.0149	0.0263	0.0251	0.0259
	LE	0.0166	0.0315	0.0278	0.0272
Other government organizations in the same jurisdiction that support public safety (Q29c.b)	ALL	0.0103	0.0177	0.0173	0.0187
	ECC	0.0192	0.0337	0.0326	0.0332
	EM	0.0189	0.0314	0.0318	0.0345
	EMS	0.0179	0.0307	0.0306	0.0313
	FIRE	0.0157	0.0268	0.0265	0.0282
	LE	0.0176	0.0331	0.0297	0.0292
Other local governments (Q29c.c)	ALL	0.0102	0.0171	0.0172	0.0187
	ECC	0.0191	0.0329	0.0324	0.0339
	EM	0.0191	0.031	0.0331	0.0353
	EMS	0.0177	0.0298	0.0306	0.031
	FIRE	0.0154	0.0261	0.0261	0.028
	LE	0.0177	0.0328	0.0297	0.0296
State/territorial governments (Q29c.d)	ALL	0.0093	0.0157	0.0157	0.0168
	ECC	0.0182	0.0317	0.031	0.0317
	EM	0.0179	0.0288	0.0313	0.0334
	EMS	0.0155	0.0263	0.028	0.0259
	FIRE	0.0133	0.0227	0.0231	0.0233
	LE	0.0167	0.032	0.0277	0.0274
Federal departments/agencies (Q29c.e)	ALL	0.0062	0.0101	0.0099	0.0126
	ECC	0.0131	0.0198	0.0225	0.0254
	EM	0.0122	0.0198	0.021	0.0228
	EMS	0.0099	0.0157	0.0169	0.0186
	FIRE	0.0088	0.0141	0.0149	0.0165
	LE	0.0128	0.0225	0.0207	0.023
Tribal governments/organizations (Q29c.f)	ALL	0.0033	0.0061	0.0056	0.005
	ECC	0.0066	0.0153	0.0095	0.008
	EM	0.008	0.0144	0.0142	0.0122
	EMS	0.0051	0.0107	0.0098	0.0039
	FIRE	0.0038	0.0087	0.0056	0.0045
	LE	0.0066	0.0154	0.01	0.0091
NGOs/private sector (Q29c.g)	ALL	0.0064	0.0102	0.0108	0.0122
	ECC	0.0136	0.0225	0.0237	0.0245
	EM	0.014	0.0223	0.0247	0.0262
	EMS	0.0102	0.0165	0.0176	0.0186
	FIRE	0.0081	0.0124	0.013	0.0168
	LE	0.0114	0.02	0.019	0.0198

International/cross-border entities (Q29c.h)	ALL	0.0021	0.0028	0.0024	0.0052
	ECC	0.003	NR	NR	0.0092
	EM	0.0044	0.0056	0.0076	0.01
	EMS	0.0025	0.0054	NR	0.0055
	FIRE	0.0026	0.0041	0.0028	0.0063
	LE	0.0036	0.0044	NR	0.0091
None of the above (Q29c.i)	ALL	0.0083	0.0148	0.0136	0.0146
	ECC	0.0142	0.0255	0.0239	0.0242
	EM	0.014	0.023	0.0239	0.0262
	EMS	0.015	0.0269	0.0251	0.0259
	FIRE	0.0132	0.0236	0.0223	0.0224
	LE	0.0137	0.025	0.0241	0.0223

Q30_1.1) Are your organization's personnel adequately trained to achieve communications operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0057	0.0113	0.0091	0.0082
	ECC	0.0067	0.0126	0.0126	0.0091
	EM	0.0118	0.0236	0.0189	0.0137
	EMS	0.0098	0.0181	0.0169	0.0156
	FIRE	0.0086	0.0163	0.0141	0.0138
	LE	0.0083	0.0186	0.0142	0.0104
No	ALL	0.0057	0.0113	0.0091	0.0082
	ECC	0.0067	0.0126	0.0126	0.0091
	EM	0.0118	0.0236	0.0189	0.0137
	EMS	0.0098	0.0181	0.0169	0.0156
	FIRE	0.0086	0.0163	0.0141	0.0138
	LE	0.0083	0.0186	0.0142	0.0104

Q30_1.2) Are your organization's personnel adequately trained to achieve communications operability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0092	0.0162	0.0153	0.0159
	ECC	0.0145	0.0256	0.0251	0.0249
	EM	0.0172	0.0297	0.0294	0.029
	EMS	0.0162	0.0289	0.0273	0.0279
	FIRE	0.0143	0.025	0.0239	0.0255
	LE	0.0144	0.0274	0.0254	0.0217
No	ALL	0.0092	0.0162	0.0153	0.0159
	ECC	0.0145	0.0256	0.0251	0.0249
	EM	0.0172	0.0297	0.0294	0.029
	EMS	0.0162	0.0289	0.0273	0.0279
	FIRE	0.0143	0.025	0.0239	0.0255
	LE	0.0144	0.0274	0.0254	0.0217

Q30_2.1) Are your organization's personnel adequately trained to achieve communications interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0082	0.0149	0.0136	0.0138
	ECC	0.0124	0.0221	0.0213	0.0207
	EM	0.0159	0.0279	0.0272	0.0262
	EMS	0.0148	0.0266	0.0253	0.0247
	FIRE	0.013	0.023	0.022	0.0224
	LE	0.0123	0.024	0.022	0.0182
No	ALL	0.0082	0.0149	0.0136	0.0138
	ECC	0.0124	0.0221	0.0213	0.0207
	EM	0.0159	0.0279	0.0272	0.0262
	EMS	0.0148	0.0266	0.0253	0.0247
	FIRE	0.013	0.023	0.022	0.0224
	LE	0.0123	0.024	0.022	0.0182

Q30_2.2) Are your organization's personnel adequately trained to achieve communications interoperability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0101	0.0173	0.017	0.0183
	ECC	0.0185	0.0325	0.0313	0.0323
	EM	0.0189	0.0309	0.0325	0.0346
	EMS	0.0175	0.0301	0.0297	0.0309
	FIRE	0.0154	0.0263	0.0257	0.0278
	LE	0.0167	0.0308	0.0286	0.0273
No	ALL	0.0101	0.0173	0.017	0.0183
	ECC	0.0185	0.0325	0.0313	0.0323
	EM	0.0189	0.0309	0.0325	0.0346
	EMS	0.0175	0.0301	0.0297	0.0309
	FIRE	0.0154	0.0263	0.0257	0.0278
	LE	0.0167	0.0308	0.0286	0.0273

Q30_3.1) Are your organization's personnel adequately trained to achieve communications continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0088	0.0155	0.0151	0.0151
	ECC	0.0143	0.0241	0.0253	0.0245
	EM	0.017	0.0291	0.0285	0.03
	EMS	0.0159	0.0274	0.0279	0.027
	FIRE	0.0139	0.0236	0.024	0.0245
	LE	0.0132	0.0237	0.0239	0.0208
No	ALL	0.0088	0.0155	0.0151	0.0151
	ECC	0.0143	0.0241	0.0253	0.0245
	EM	0.017	0.0291	0.0285	0.03
	EMS	0.0159	0.0274	0.0279	0.027
	FIRE	0.0139	0.0236	0.024	0.0245
	LE	0.0132	0.0237	0.0239	0.0208

Q30_3.1) Are your organization's personnel adequately trained to achieve communications continuity in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0102	0.0173	0.0171	0.0185
	ECC	0.0188	0.0327	0.0315	0.0333
	EM	0.0189	0.0308	0.0326	0.0352
	EMS	0.0175	0.0301	0.0297	0.0309
	FIRE	0.0154	0.0263	0.0257	0.028
	LE	0.017	0.0312	0.0289	0.0281
No	ALL	0.0102	0.0173	0.0171	0.0185
	ECC	0.0188	0.0327	0.0315	0.0333
	EM	0.0189	0.0308	0.0326	0.0352
	EMS	0.0175	0.0301	0.0297	0.0309
	FIRE	0.0154	0.0263	0.0257	0.028
	LE	0.017	0.0312	0.0289	0.0281

Q31) Does your organization participate in or conduct exercises? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0081	0.0142	0.014	0.0137
	ECC	0.0136	0.0256	0.0224	0.0228
	EM	0.0126	0.0214	0.0217	0.0218
	EMS	0.0138	0.0256	0.0237	0.0219
	FIRE	0.0126	0.0232	0.0216	0.0195
	LE	0.0157	0.0305	0.0261	0.0251
No	ALL	0.0081	0.0142	0.014	0.0137
	ECC	0.0136	0.0256	0.0224	0.0228
	EM	0.0126	0.0214	0.0217	0.0218
	EMS	0.0138	0.0256	0.0237	0.0219
	FIRE	0.0126	0.0232	0.0216	0.0195
	LE	0.0157	0.0305	0.0261	0.0251

Q31a) Select the types of capabilities included as part of the exercises in which your organization either participates or conducts. (SATA) Note: quantities are proportions of local respondents that selected "Yes" on Q31.

Answer Option	Discipline	All	Rural	Urban	Metro
Communications operability (voice) (Q31a.a)	ALL	0.0072	0.0128	0.0114	0.0133
	ECC	0.0116	0.0186	0.0204	0.021
	EM	0.0111	0.0201	0.0152	0.0221
	EMS	0.0113	0.0219	0.0181	0.0184
	FIRE	0.0107	0.0203	0.0178	0.0171
	LE	0.0151	0.0294	0.0253	0.0246
Communications operability (data) (Q31a.b)	ALL	0.0111	0.0185	0.0189	0.0202
	ECC	0.0213	0.0379	0.0355	0.037
	EM	0.0203	0.0329	0.035	0.0381
	EMS	0.0186	0.0315	0.0322	0.0329
	FIRE	0.0157	0.0254	0.0265	0.029
	LE	0.0206	0.039	0.0344	0.0342
Communications interoperability (voice) (Q31a.c)	ALL	0.011	0.0194	0.0183	0.0192
	ECC	0.0177	0.034	0.0291	0.0289
	EM	0.0183	0.0306	0.0308	0.034
	EMS	0.0192	0.0347	0.0324	0.0324
	FIRE	0.0171	0.0309	0.0288	0.0283
	LE	0.0201	0.0397	0.0337	0.0319
Communications interoperability (data) (Q31a.d)	ALL	0.0101	0.0159	0.0176	0.0188
	ECC	0.0206	0.0365	0.035	0.0354
	EM	0.0192	0.0291	0.0335	0.0374
	EMS	0.0166	0.0242	0.0298	0.0306
	FIRE	0.0137	0.0208	0.0239	0.0258
	LE	0.0195	0.0363	0.0326	0.0327
Communications continuity (voice) (Q31a.e)	ALL	0.0114	0.0196	0.0193	0.0205
	ECC	0.0211	0.0375	0.0354	0.0368
	EM	0.0205	0.0336	0.0351	0.0381
	EMS	0.0195	0.0341	0.0336	0.0335
	FIRE	0.017	0.0298	0.0288	0.0299
	LE	0.0208	0.0398	0.0346	0.0343
Communications continuity (data) (Q31a.f)	ALL	0.0104	0.0173	0.0176	0.019
	ECC	0.0208	0.0377	0.0351	0.0353
	EM	0.0191	0.0306	0.0327	0.0365
	EMS	0.0167	0.0283	0.0291	0.0294
	FIRE	0.0141	0.024	0.0236	0.0256
	LE	0.0199	0.0386	0.0331	0.0328
Cyber incident response and recovery (Q31a.g)	ALL	0.0076	0.0113	0.0128	0.0152
	ECC	0.0159	0.0288	0.0258	0.0282
	EM	0.0145	0.0209	0.0259	0.0289
	EMS	0.012	0.0175	0.0215	0.0226
	FIRE	0.0096	0.013	0.0176	0.0181
	LE	0.0161	0.0279	0.0268	0.0281

Radio/device encrypted interoperability (Q31a.h)	ALL	0.0099	0.0153	0.0165	0.0192
	ECC	0.0202	0.0349	0.0332	0.0363
	EM	0.0184	0.0277	0.0315	0.0366
	EMS	0.0163	0.0252	0.0284	0.0301
	FIRE	0.0138	0.0206	0.0228	0.027
	LE	0.0199	0.0355	0.033	0.0338
Social media (Q31a.i)	ALL	0.0107	0.0186	0.0179	0.0193
	ECC	0.0194	0.036	0.0322	0.0322
	EM	0.02	0.0331	0.0341	0.0367
	EMS	0.0177	0.0308	0.0298	0.031
	FIRE	0.0157	0.0277	0.0267	0.0274
	LE	0.0198	0.0384	0.0321	0.033
None of the above (Q31a.j)	ALL	0.0056	0.0104	0.0087	0.01
	ECC	0.0092	0.015	0.0156	0.0169
	EM	0.0075	0.0133	0.0119	0.014
	EMS	0.0086	0.0181	0.0127	0.0137
	FIRE	0.0084	0.0168	0.0136	0.0131
	LE	0.0117	0.0221	0.0204	0.0187

Q31b) Select the types of roles included as part of the exercises in which your organization either participates or conducts. (SATA) Note: quantities are proportions of local respondents that selected "Yes" on Q31.

Answer Option	Discipline	All	Rural	Urban	Metro
Auxiliary Communications (AUXCOMM) (Q31b.a)	ALL	0.009	0.0149	0.0158	0.0162
	ECC	0.0181	0.0321	0.0307	0.0316
	EM	0.0184	0.0292	0.0323	0.0346
	EMS	0.0139	0.024	0.0253	0.023
	FIRE	0.0116	0.0205	0.02	0.0197
	LE	0.016	0.0308	0.028	0.0247
Incident Tactical Dispatch (INTD) (Q31b.b)	ALL	0.0097	0.0153	0.0168	0.0181
	ECC	0.0203	0.0354	0.0346	0.0355
	EM	0.017	0.0257	0.0306	0.0322
	EMS	0.0152	0.025	0.0271	0.0268
	FIRE	0.0134	0.0212	0.0234	0.0243
	LE	0.0196	0.0366	0.0329	0.0325
Communications Unit Leader (COML) (Q31b.c)	ALL	0.0102	0.0159	0.0176	0.0192
	ECC	0.0206	0.0338	0.0348	0.0368
	EM	0.0195	0.0303	0.0339	0.0375
	EMS	0.0166	0.0243	0.0292	0.031
	FIRE	0.0143	0.0225	0.024	0.0272
	LE	0.0183	0.0304	0.0303	0.0323
Communications Unit Technician (COMT) (Q31b.d)	ALL	0.008	0.0115	0.0136	0.0162
	ECC	0.0178	0.0272	0.0291	0.0342
	EM	0.0163	0.0221	0.0294	0.0333
	EMS	0.013	0.017	0.0224	0.026
	FIRE	0.0109	0.015	0.0177	0.0226
	LE	0.0143	0.0254	0.021	0.0267
Communications coordinator (COMC) (Q31b.e)	ALL	0.0094	0.0157	0.0159	0.017
	ECC	0.0194	0.0352	0.0322	0.0335
	EM	0.0176	0.0283	0.0302	0.0335
	EMS	0.015	0.0253	0.0263	0.0263
	FIRE	0.013	0.0227	0.0213	0.0236
	LE	0.0185	0.0368	0.0287	0.0312
IT Services Unit Leader (ITSL) (Q31b.f)	ALL	0.0065	0.0086	0.0107	0.0138
	ECC	0.0135	0.0207	0.0228	0.0258
	EM	0.0126	0.0165	0.0218	0.0277
	EMS	0.0105	0.0143	0.0182	0.0207
	FIRE	0.0087	0.0136	0.0141	0.0172
	LE	0.0136	0.0233	0.021	0.025
Mobile command post/mobile communications center (Q31b.g)	ALL	0.0115	0.0197	0.0195	0.0205
	ECC	0.021	0.038	0.0346	0.0365
	EM	0.0202	0.0335	0.0338	0.0377
	EMS	0.0198	0.0338	0.0339	0.034
	FIRE	0.0175	0.0298	0.0295	0.0306
	LE	0.0209	0.0402	0.0348	0.034

None of the above (Q31b.h)	ALL	0.0108	0.0192	0.0182	0.0184
	ECC	0.0176	0.0323	0.0293	0.0297
	EM	0.0173	0.0294	0.0289	0.0316
	EMS	0.0192	0.0349	0.0324	0.0316
	FIRE	0.0172	0.031	0.0293	0.0286
	LE	0.0186	0.0371	0.0324	0.028

Q31c) Select the statement that best characterizes how your organization evaluates communications as an exercise objective. (SOR) Note: quantities are proportions of local respondents that selected "Yes" on Q31.

Answer Option	Discipline	All	Rural	Urban	Metro
Communications is not an exercise objective	ALL	0.0053	0.0101	0.0076	0.0096
	ECC	0.0084	0.0169	0.0123	0.0144
	EM	0.0081	0.0146	0.0098	0.0171
	EMS	0.009	0.0181	0.0128	0.0158
	FIRE	0.0084	0.0157	0.0129	0.0151
	LE	0.0098	0.0246	0.0135	0.014
Communications is not evaluated	ALL	0.0061	0.0112	0.0107	0.0095
	ECC	0.0085	0.0139	0.0183	0.0096
	EM	0.0086	0.0152	0.0153	0.0129
	EMS	0.0112	0.0215	0.0205	0.0158
	FIRE	0.0102	0.0197	0.0183	0.0142
	LE	0.0108	0.0189	0.0206	0.0161
Communications is evaluated but not documented	ALL	0.0106	0.0188	0.0175	0.0186
	ECC	0.0183	0.0338	0.0289	0.0325
	EM	0.0163	0.0275	0.0272	0.0298
	EMS	0.0191	0.0342	0.0323	0.0323
	FIRE	0.0172	0.0308	0.0284	0.0295
	LE	0.0186	0.0373	0.0306	0.0299
Communications is evaluated and documented	ALL	0.0114	0.0186	0.0194	0.0207
	ECC	0.0213	0.0375	0.0354	0.0369
	EM	0.0199	0.0315	0.0346	0.0377
	EMS	0.0193	0.0321	0.0334	0.0341
	FIRE	0.017	0.0278	0.0294	0.0303
	LE	0.021	0.0392	0.0348	0.0345
Communications is evaluated and documented in accordance with the Homeland Security Exercise Evaluation Program (HSEEP)	ALL	0.0086	0.0152	0.0145	0.0147
	ECC	0.0154	0.0315	0.0241	0.0239
	EM	0.0194	0.0322	0.0334	0.0355
	EMS	0.0123	0.0215	0.0209	0.0213
	FIRE	0.0097	0.0165	0.0149	0.019
	LE	0.0132	0.0282	0.0181	0.0228

Q31d) My organization does not participate in exercises because it has. (SATA) Note: quantities are proportions of local respondents that selected "No" on Q31.

Answer Option	Discipline	All	Rural	Urban	Metro
No personnel for exercise coordination (Q31d.a)	ALL	0.0205	0.0331	0.0343	0.0393
	ECC	0.0407	0.0551	0.0822	0.0693
	EM	0.0478	0.0725	0.086	0.0807
	EMS	0.0361	0.0567	0.0623	0.069
	FIRE	0.0302	0.0472	0.0505	0.0584
	LE	0.03	0.0482	0.0546	0.0497
Chronically low staffing levels (Q31d.b)	ALL	0.0214	0.0351	0.0346	0.0428
	ECC	0.0457	0.0747	0.0801	0.0828
	EM	0.0489	0.0791	0.0821	0.0911
	EMS	0.0369	0.0561	0.0612	0.0736
	FIRE	0.0315	0.0488	0.0505	0.0675
	LE	0.032	0.054	0.0547	0.0569
No funding available to participate in exercises sponsored by other organizations (Q31d.c)	ALL	0.0211	0.0349	0.0342	0.0414
	ECC	0.0433	0.0702	0.0722	0.0813
	EM	0.0492	0.079	0.087	0.0913
	EMS	0.0374	0.0597	0.0629	0.0736
	FIRE	0.0309	0.0484	0.0498	0.0668
	LE	0.0311	0.0534	0.0542	0.0527
No funding available to backfill personnel attending exercises (Q31d.d)	ALL	0.0196	0.0326	0.0322	0.037
	ECC	0.0444	0.0702	0.0813	0.0801
	EM	0.0482	0.0754	0.087	0.0861
	EMS	0.0362	0.0586	0.062	0.0659
	FIRE	0.0262	0.0404	0.0433	0.0566
	LE	0.0306	0.0531	0.054	0.0488
Insufficient overtime funding to allow staff to participate in exercises conducted by my organization (Q31d.e)	ALL	0.0172	0.0282	0.0301	0.0293
	ECC	0.0426	0.0653	0.0822	0.0722
	EM	0.0404	0.0474	0.086	0.0621
	EMS	0.033	0.0522	0.0601	0.054
	FIRE	0.0228	0.0332	0.0402	0.0473
	LE	0.0284	0.05	0.0514	0.0432
Insufficient overtime funding to allow staff to participate in exercises conducted by other organizations (Q31d.f)	ALL	0.017	0.0282	0.0295	0.0286
	ECC	0.0419	0.0671	0.0786	0.0722
	EM	0.0404	0.0523	0.086	0.0548
	EMS	0.0316	0.0513	0.0578	0.0468
	FIRE	0.022	0.0332	0.0393	0.0409
	LE	0.0277	0.05	0.0491	0.0418
Limited exercises opportunities (Q31d.g)	ALL	0.0214	0.035	0.0348	0.0428
	ECC	0.0448	0.0753	0.0722	0.0801
	EM	0.0492	0.0791	0.087	0.0894
	EMS	0.0373	0.0597	0.0616	0.0736
	FIRE	0.0314	0.0476	0.0512	0.0689
	LE	0.032	0.054	0.0544	0.0573

Competing organizational priorities (Q31d.h)	ALL	0.017	0.0235	0.0283	0.0384
	ECC	0.0397	0.0433	0.0747	0.0813
	EM	0.0417	0.0523	0.0746	0.088
	EMS	0.0318	0.045	0.0537	0.0703
	FIRE	0.0249	0.0332	0.0402	0.065
	LE	0.0246	0.0349	0.0422	0.0497
None of the above (Q31d.i)	ALL	0.0139	0.0235	0.0202	0.0306
	ECC	0.0272	0.0478	0.0461	0.0461
	EM	0.0292	0.0565	0.0298	0.0548
	EMS	0.0214	0.0359	0.0307	0.0468
	FIRE	0.021	0.0342	0.0328	0.0443
	LE	0.0216	0.039	0.0235	0.0457

Q32) Complete this sentence: "My organization _____ emergency communications-focused exercises.
(SOR).

Answer Option	Discipline	All	Rural	Urban	Metro
Does not participate in or conduct	ALL	0.0095	0.0165	0.0159	0.0169
	ECC	0.0163	0.0292	0.0275	0.0276
	EM	0.0156	0.0268	0.0262	0.028
	EMS	0.0167	0.0296	0.0278	0.0287
	FIRE	0.0147	0.0256	0.0246	0.0257
	LE	0.0168	0.0317	0.0283	0.0274
Participates in	ALL	0.01	0.0169	0.0169	0.0184
	ECC	0.0193	0.0337	0.0327	0.0337
	EM	0.0184	0.0299	0.032	0.0342
	EMS	0.0173	0.0294	0.0298	0.0306
	FIRE	0.0151	0.0256	0.0254	0.0277
	LE	0.0172	0.0315	0.0291	0.0291
Conducts	ALL	0.0043	0.0078	0.0065	0.0082
	ECC	0.0078	0.0147	0.0126	0.0135
	EM	0.0086	0.0144	0.0137	0.0166
	EMS	0.0074	0.0132	0.0111	0.0141
	FIRE	0.0069	0.0132	0.009	0.0136
	LE	0.0069	0.0146	0.009	0.0124
Participates in and conducts	ALL	0.0082	0.0133	0.0136	0.016
	ECC	0.0165	0.0281	0.027	0.0307
	EM	0.0179	0.0289	0.0309	0.0338
	EMS	0.0133	0.0204	0.0221	0.0263
	FIRE	0.0116	0.0175	0.0197	0.023
	LE	0.0137	0.023	0.0219	0.0252

Q32a) Select the types of emergency communications-focused exercises your organization participates in or conducts. (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Simulations (Q32a.a)	ALL	0.0114	0.0203	0.0191	0.0197
	ECC	0.0196	0.0363	0.0332	0.0323
	EM	0.0208	0.0356	0.035	0.0369
	EMS	0.0188	0.0343	0.0317	0.0318
	FIRE	0.0169	0.0301	0.0285	0.0294
	LE	0.0205	0.0399	0.0347	0.033
Equipment tests and/or drills (Q32a.b)	ALL	0.0105	0.0185	0.0177	0.0184
	ECC	0.0176	0.0331	0.0285	0.0299
	EM	0.0166	0.0278	0.0267	0.0322
	EMS	0.0186	0.0322	0.0321	0.0318
	FIRE	0.0166	0.0301	0.0276	0.0289
	LE	0.0193	0.039	0.0333	0.0291
Seminars/workshops (Q32a.c)	ALL	0.0119	0.0205	0.0198	0.0217
	ECC	0.022	0.0391	0.0372	0.0375
	EM	0.0212	0.0348	0.0364	0.039
	EMS	0.0199	0.0343	0.0323	0.0361
	FIRE	0.0175	0.0307	0.0287	0.0317
	LE	0.0216	0.041	0.0362	0.0354
Tabletops (Q32a.d)	ALL	0.011	0.0197	0.0181	0.0192
	ECC	0.0185	0.0325	0.0318	0.0318
	EM	0.0181	0.0315	0.0296	0.0328
	EMS	0.0194	0.0367	0.0321	0.0325
	FIRE	0.0175	0.0322	0.0292	0.0292
	LE	0.0203	0.0404	0.0344	0.0318
Functional (Q32a.e)	ALL	0.0123	0.0213	0.0206	0.022
	ECC	0.022	0.0391	0.0372	0.0378
	EM	0.0208	0.0341	0.0355	0.0387
	EMS	0.0213	0.038	0.0357	0.037
	FIRE	0.0187	0.0322	0.0314	0.0333
	LE	0.0213	0.0409	0.0362	0.0346
Full-scale (Q32a.f)	ALL	0.0121	0.0212	0.0204	0.0216
	ECC	0.0219	0.0391	0.0372	0.0377
	EM	0.0214	0.0357	0.0365	0.0391
	EMS	0.021	0.038	0.0347	0.0365
	FIRE	0.0187	0.0326	0.0313	0.033
	LE	0.0209	0.0399	0.0358	0.0336

Q32b) The emergency communications-focused simulations our organization participates in or conducts includes: (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q32b.a)	ALL	0.0083	0.0137	0.0145	0.0147
	ECC	0.0121	0.0199	0.0184	0.0237
	EM	0.0147	0.0239	0.0217	0.0302
	EMS	0.0135	0.0259	0.0235	0.0208
	FIRE	0.0138	0.0239	0.0249	0.0221
	LE	0.0137	0.0236	0.0212	0.025
Other government organizations in the same jurisdiction that support public safety (Q32b.b)	ALL	0.0129	0.024	0.021	0.0224
	ECC	0.0213	0.0394	0.0346	0.037
	EM	0.0205	0.0377	0.0331	0.0359
	EMS	0.0219	0.043	0.0336	0.0373
	FIRE	0.0205	0.0383	0.0336	0.0344
	LE	0.0231	0.0458	0.0378	0.0377
Other local governments (Q32b.c)	ALL	0.0143	0.0262	0.0235	0.0247
	ECC	0.0249	0.0469	0.0399	0.0424
	EM	0.0241	0.0434	0.0396	0.0422
	EMS	0.0246	0.0455	0.0393	0.0429
	FIRE	0.0221	0.0399	0.036	0.0388
	LE	0.0248	0.0493	0.0422	0.0388
State/territorial governments (Q32b.d)	ALL	0.0149	0.0262	0.0249	0.0262
	ECC	0.0261	0.0477	0.0437	0.0441
	EM	0.0272	0.0483	0.0459	0.0467
	EMS	0.0248	0.0439	0.0421	0.0421
	FIRE	0.0217	0.0375	0.0365	0.0387
	LE	0.0269	0.0521	0.0455	0.0435
Federal departments/agencies (Q32b.e)	ALL	0.0113	0.0186	0.0186	0.0216
	ECC	0.0218	0.0375	0.037	0.0383
	EM	0.0218	0.0369	0.0358	0.0406
	EMS	0.0183	0.0326	0.0316	0.0305
	FIRE	0.0156	0.0277	0.0249	0.0289
	LE	0.0241	0.0422	0.0397	0.0413
Tribal governments/organizations (Q32b.f)	ALL	0.0062	0.0117	0.0109	0.0094
	ECC	0.0106	0.0233	0.0184	0.0134
	EM	0.013	0.0222	0.0231	0.022
	EMS	0.0091	0.0168	0.0195	0.0076
	FIRE	0.007	0.0168	0.0097	0.009
	LE	0.0123	0.0257	0.0197	0.0195
NGOs/private sector (Q32b.g)	ALL	0.0119	0.0213	0.0195	0.0214
	ECC	0.0223	0.0405	0.0374	0.0383
	EM	0.0247	0.0446	0.0392	0.0447
	EMS	0.0188	0.0334	0.0322	0.0318
	FIRE	0.016	0.0277	0.0263	0.0294
	LE	0.0223	0.0445	0.0368	0.036

International/cross-border entities (Q32b.h)	ALL	0.0042	0.0079	0.0043	0.0091
	ECC	0.0071	0.0155	0.0077	0.0134
	EM	0.0102	0.0159	0.0119	0.0237
	EMS	0.0062	0.0146	NR	0.013
	FIRE	0.0054	0.0111	NR	0.0126
	LE	0.0064	0.0152	NR	0.013

Q32c) The emergency communications-focused equipment tests and/or drills our organization participates in or conducts includes: (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q32c.a)	ALL	0.008	0.0136	0.0129	0.0153
	ECC	0.0111	0.0159	0.015	0.0248
	EM	0.0124	0.0226	0.0176	0.0246
	EMS	0.0136	0.0244	0.0221	0.0244
	FIRE	0.0141	0.0253	0.0241	0.024
	LE	0.0153	0.0303	0.0201	0.0276
Other government organizations in the same jurisdiction that support public safety (Q32c.b)	ALL	0.0124	0.023	0.0197	0.0218
	ECC	0.0211	0.038	0.035	0.0367
	EM	0.0186	0.0327	0.0292	0.0352
	EMS	0.0221	0.0425	0.0363	0.0351
	FIRE	0.02	0.0392	0.0309	0.0327
	LE	0.022	0.0472	0.0339	0.035
Other local governments (Q32c.c)	ALL	0.0138	0.0247	0.0229	0.0242
	ECC	0.0238	0.0442	0.0387	0.0408
	EM	0.0222	0.0364	0.0376	0.0422
	EMS	0.0247	0.0448	0.0405	0.0427
	FIRE	0.022	0.0398	0.0364	0.0383
	LE	0.0242	0.0506	0.0404	0.0372
State/territorial governments (Q32c.d)	ALL	0.0142	0.0246	0.0239	0.0254
	ECC	0.0249	0.0445	0.0413	0.0428
	EM	0.0238	0.0398	0.0397	0.0447
	EMS	0.0248	0.0427	0.0425	0.0428
	FIRE	0.0217	0.0373	0.0366	0.0385
	LE	0.0257	0.051	0.0441	0.0404
Federal departments/agencies (Q32c.e)	ALL	0.0103	0.0165	0.0171	0.0197
	ECC	0.0195	0.0323	0.0321	0.0362
	EM	0.0177	0.027	0.0297	0.0363
	EMS	0.0184	0.0301	0.0323	0.0329
	FIRE	0.0155	0.0265	0.0259	0.0281
	LE	0.0214	0.0367	0.0361	0.0362
Tribal governments/organizations (Q32c.f)	ALL	0.0059	0.0124	0.009	0.0089
	ECC	0.0088	0.0193	0.015	0.0105
	EM	0.0123	0.0247	0.0176	0.0194
	EMS	0.0076	0.0159	0.0143	0.0077
	FIRE	0.006	0.0156	0.0056	0.0089
	LE	0.0108	0.0231	0.0187	0.0159
NGOs/private sector (Q32c.g)	ALL	0.0108	0.0188	0.0181	0.0195
	ECC	0.0192	0.033	0.0317	0.0349
	EM	0.0205	0.033	0.0348	0.0391
	EMS	0.0178	0.0301	0.0293	0.0329
	FIRE	0.0148	0.0246	0.023	0.029
	LE	0.0195	0.0378	0.0339	0.0307

International/cross-border entities (Q32c.h)	ALL	0.0042	0.0074	0.0051	0.0093
	ECC	0.007	0.0113	0.0068	0.0165
	EM	0.0084	0.0125	0.0126	0.0194
	EMS	0.0062	0.0159	0.0072	0.0077
	FIRE	0.005	0.0128	NR	0.0089
	LE	0.007	0.0149	0.0078	0.0131

Q32d) The emergency communications-focused seminars/workshops our organization participates in or conducts includes: (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q32d.a)	ALL	0.0114	0.0244	0.0171	0.0176
	ECC	0.0148	0.0328	0.0196	0.0242
	EM	0.0165	0.038	0.0196	0.0266
	EMS	0.023	0.0601	0.0317	0.0321
	FIRE	0.0216	0.0502	0.0312	0.0292
	LE	0.0189	0.0483	0.0299	0.0244
Other government organizations in the same jurisdiction that support public safety (Q32d.b)	ALL	0.0155	0.0292	0.0239	0.0277
	ECC	0.0231	0.0383	0.0394	0.0407
	EM	0.0205	0.0317	0.031	0.0434
	EMS	0.0287	0.066	0.0317	0.0483
	FIRE	0.0279	0.0576	0.0385	0.0467
	LE	0.0255	0.0529	0.037	0.0426
Other local governments (Q32d.c)	ALL	0.0175	0.0347	0.0279	0.0279
	ECC	0.0268	0.0534	0.0415	0.044
	EM	0.0258	0.0489	0.0425	0.0419
	EMS	0.0333	0.0782	0.0435	0.0497
	FIRE	0.0316	0.0632	0.0484	0.0489
	LE	0.0275	0.0621	0.0466	0.0386
State/territorial governments (Q32d.d)	ALL	0.0199	0.0366	0.0329	0.0339
	ECC	0.03	0.0566	0.0473	0.0501
	EM	0.0315	0.0574	0.051	0.0555
	EMS	0.0381	0.0775	0.0619	0.0603
	FIRE	0.0348	0.0635	0.0594	0.0579
	LE	0.0332	0.0673	0.0549	0.0522
Federal departments/agencies (Q32d.e)	ALL	0.0177	0.0301	0.0296	0.0319
	ECC	0.0278	0.0473	0.0496	0.0466
	EM	0.0274	0.0455	0.0459	0.0504
	EMS	0.0358	0.066	0.0651	0.0551
	FIRE	0.0298	0.0517	0.0529	0.0499
	LE	0.0322	0.0596	0.0561	0.0512
Tribal governments/organizations (Q32d.f)	ALL	0.01	0.0224	0.0146	0.015
	ECC	0.0148	0.0348	0.0225	0.02
	EM	0.017	0.038	0.0161	0.0321
	EMS	0.0162	0.0345	0.0317	0.0208
	FIRE	0.0127	0.0312	0.0144	0.0188
	LE	0.0179	0.0428	0.0236	0.0285
NGOs/private sector (Q32d.g)	ALL	0.0181	0.0334	0.0296	0.0315
	ECC	0.0272	0.0508	0.0459	0.0451
	EM	0.0302	0.056	0.0459	0.055
	EMS	0.0353	0.0706	0.0606	0.0551
	FIRE	0.03	0.0531	0.0508	0.0516
	LE	0.0304	0.0596	0.0519	0.0482

International/cross-border entities (Q32d.h)	ALL	0.0062	0.012	0.0066	0.0127
	ECC	0.0092	0.0181	0.0114	0.0174
	EM	0.0095	0.0134	0.0114	0.0232
	EMS	0.0107	0.0247	0.0187	0.0148
	FIRE	0.0084	0.016	0.0144	0.0134
	LE	0.0103	0.0183	0.0138	0.0191

Q32e) The emergency communications-focused tabletop exercises our organization participates in or conducts includes: (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q32e.a)	ALL	0.0076	0.0148	0.012	0.0128
	ECC	0.0101	0.0174	0.0164	0.0185
	EM	0.0127	0.0265	0.0177	0.0197
	EMS	0.0144	0.0308	0.0232	0.0211
	FIRE	0.0142	0.0298	0.0225	0.0219
	LE	0.0138	0.0288	0.0209	0.0229
Other government organizations in the same jurisdiction that support public safety (Q32e.b)	ALL	0.0117	0.0212	0.0188	0.0211
	ECC	0.0194	0.0251	0.0331	0.0388
	EM	0.0184	0.0329	0.0251	0.0373
	EMS	0.0212	0.042	0.033	0.0356
	FIRE	0.0195	0.0387	0.0308	0.0323
	LE	0.0213	0.0411	0.0363	0.034
Other local governments (Q32e.c)	ALL	0.0132	0.0243	0.0214	0.0232
	ECC	0.0224	0.0399	0.036	0.0404
	EM	0.0206	0.0354	0.0334	0.0388
	EMS	0.0245	0.0459	0.0391	0.0425
	FIRE	0.0218	0.0407	0.0351	0.0377
	LE	0.0234	0.0475	0.0391	0.0372
State/territorial governments (Q32e.d)	ALL	0.0146	0.0258	0.0242	0.026
	ECC	0.0253	0.0445	0.0428	0.044
	EM	0.0244	0.0416	0.0407	0.0448
	EMS	0.0256	0.0465	0.0427	0.0436
	FIRE	0.0229	0.0407	0.0382	0.0396
	LE	0.0267	0.053	0.045	0.0424
Federal departments/agencies (Q32e.e)	ALL	0.012	0.0199	0.0198	0.0228
	ECC	0.0222	0.0366	0.0383	0.0398
	EM	0.0202	0.0325	0.033	0.0401
	EMS	0.0206	0.0381	0.034	0.0353
	FIRE	0.0182	0.0321	0.0305	0.0321
	LE	0.0244	0.0481	0.0407	0.0395
Tribal governments/organizations (Q32e.f)	ALL	0.007	0.0133	0.0122	0.0109
	ECC	0.012	0.0229	0.0216	0.017
	EM	0.0136	0.025	0.0218	0.0239
	EMS	0.0118	0.0155	0.0267	0.0132
	FIRE	0.0102	0.0172	0.0198	0.0152
	LE	0.013	0.0247	0.0222	0.0209
NGOs/private sector (Q32e.g)	ALL	0.0128	0.0231	0.0211	0.0221
	ECC	0.0224	0.0409	0.036	0.0395
	EM	0.0235	0.0404	0.0389	0.0428
	EMS	0.0215	0.0405	0.0365	0.0348
	FIRE	0.0182	0.0326	0.0305	0.0314
	LE	0.0238	0.0505	0.04	0.0357

International/cross-border entities (Q32e.h)	ALL	0.0037	0.006	0.004	0.0088
	ECC	0.0072	0.0136	0.0105	0.0133
	EM	0.0073	0.0121	0.0068	0.0181
	EMS	0.0059	0.0091	0.0073	0.0133
	FIRE	0.0048	0.0072	0.0059	0.0109
	LE	0.0075	0.0113	0.0081	0.0158

Q32f) The emergency communications-focused functional exercises our organization participates in or conducts includes: (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q32f.a)	ALL	0.009	0.0124	0.0167	0.0168
	ECC	0.012	NR	0.0281	0.0223
	EM	0.013	0.0202	0.0227	0.0255
	EMS	0.0171	0.0171	0.0332	0.0298
	FIRE	0.0181	0.0194	0.0331	0.0331
	LE	0.0146	0.0187	0.0236	0.0284
Other government organizations in the same jurisdiction that support public safety (Q32f.b)	ALL	0.0134	0.0236	0.0221	0.0238
	ECC	0.023	0.0313	0.0428	0.0445
	EM	0.0184	0.0302	0.03	0.036
	EMS	0.0257	0.0548	0.0408	0.0404
	FIRE	0.0242	0.0536	0.0383	0.0354
	LE	0.0233	0.0435	0.039	0.0388
Other local governments (Q32f.c)	ALL	0.0155	0.0276	0.0261	0.0265
	ECC	0.0267	0.0429	0.0456	0.0505
	EM	0.0213	0.0363	0.0366	0.0371
	EMS	0.0289	0.0598	0.0479	0.0441
	FIRE	0.0265	0.0543	0.0456	0.0383
	LE	0.0296	0.0557	0.0519	0.0468
State/territorial governments (Q32f.d)	ALL	0.018	0.0319	0.0295	0.0325
	ECC	0.0304	0.0524	0.048	0.0564
	EM	0.0256	0.0434	0.0415	0.0471
	EMS	0.0335	0.0656	0.054	0.0557
	FIRE	0.0305	0.0589	0.0505	0.0502
	LE	0.0341	0.0641	0.0571	0.0564
Federal departments/agencies (Q32f.e)	ALL	0.0162	0.0269	0.0264	0.0307
	ECC	0.0296	0.0456	0.0523	0.0549
	EM	0.0234	0.0353	0.039	0.0485
	EMS	0.0306	0.0562	0.0507	0.0517
	FIRE	0.0262	0.051	0.0428	0.0434
	LE	0.0338	0.0619	0.0549	0.057
Tribal governments/organizations (Q32f.f)	ALL	0.0097	0.0192	0.0164	0.0141
	ECC	0.0166	0.0346	0.0258	0.0223
	EM	0.0152	0.0286	0.0241	0.0234
	EMS	0.0171	0.0369	0.0332	0.0177
	FIRE	0.014	0.0326	0.0242	0.0174
	LE	0.0196	0.0401	0.0299	0.0332
NGOs/private sector (Q32f.g)	ALL	0.0172	0.0298	0.0283	0.0312
	ECC	0.0302	0.051	0.0504	0.0557
	EM	0.0265	0.0417	0.0459	0.0512
	EMS	0.0306	0.0562	0.0501	0.0523
	FIRE	0.0263	0.05	0.0415	0.0456
	LE	0.0337	0.0659	0.0556	0.0553

International/cross-border entities (Q32f.h)	ALL	0.0057	0.011	0.0064	0.0121
	ECC	0.009	0.0198	0.0118	0.0131
	EM	0.0098	0.0155	0.0124	0.0234
	EMS	0.0101	0.024	0.0122	0.0177
	FIRE	0.0083	0.0194	0.0101	0.0143
	LE	0.011	0.0187	0.0138	0.0223

Q32g) The emergency communications-focused full-scale exercises our organization participates in or conducts includes: (SATA) Note: quantities are proportions of local respondents that did not select "Does not participate in or conduct" on Q32.

Answer Option	Discipline	All	Rural	Urban	Metro
Other public safety organizations in the same jurisdiction (Q32g.a)	ALL	0.0084	0.0157	0.0128	0.0155
	ECC	0.0112	0.0131	0.0166	0.027
	EM	0.0116	0.0246	0.0149	0.017
	EMS	0.0164	0.0327	0.0202	0.0312
	FIRE	0.0151	0.025	0.025	0.0279
	LE	0.0152	0.0441	NR	0.0257
Other government organizations in the same jurisdiction that support public safety (Q32g.b)	ALL	0.0124	0.0228	0.0189	0.0231
	ECC	0.0192	0.0332	0.0302	0.037
	EM	0.0161	0.0302	0.0149	0.0345
	EMS	0.0229	0.0421	0.0339	0.0424
	FIRE	0.0211	0.0422	0.0315	0.0367
	LE	0.0237	0.0477	0.0368	0.0402
Other local governments (Q32g.c)	ALL	0.0154	0.0281	0.0244	0.0273
	ECC	0.0262	0.0478	0.0368	0.051
	EM	0.0207	0.0344	0.0332	0.0403
	EMS	0.0289	0.0579	0.0471	0.0456
	FIRE	0.025	0.0516	0.0402	0.0378
	LE	0.0279	0.0563	0.043	0.0475
State/territorial governments (Q32g.d)	ALL	0.0188	0.0328	0.0309	0.0344
	ECC	0.0314	0.0566	0.0487	0.0571
	EM	0.0276	0.0449	0.0476	0.0514
	EMS	0.0352	0.0651	0.0573	0.0594
	FIRE	0.0306	0.0565	0.0505	0.0517
	LE	0.0362	0.0706	0.0585	0.0605
Federal departments/agencies (Q32g.e)	ALL	0.0177	0.0275	0.03	0.0341
	ECC	0.0314	0.0488	0.0526	0.0587
	EM	0.0268	0.0379	0.0481	0.0528
	EMS	0.0332	0.054	0.0573	0.0583
	FIRE	0.028	0.0486	0.0477	0.0484
	LE	0.0363	0.0669	0.0593	0.0614
Tribal governments/organizations (Q32g.f)	ALL	0.0105	0.0191	0.0169	0.0187
	ECC	0.0171	0.0309	0.0281	0.0299
	EM	0.0154	0.0289	0.0208	0.0288
	EMS	0.0183	0.0286	0.0385	0.0246
	FIRE	0.0147	0.0302	0.0268	0.0187
	LE	0.0216	0.0349	0.0285	0.0441
NGOs/private sector (Q32g.g)	ALL	0.0186	0.0319	0.0306	0.0342
	ECC	0.0308	0.0544	0.0487	0.0571
	EM	0.0295	0.0484	0.0504	0.055
	EMS	0.0331	0.0599	0.0573	0.0546
	FIRE	0.0273	0.0494	0.0463	0.0462
	LE	0.036	0.0699	0.0585	0.0601

International/cross-border entities (Q32g.h)	ALL	0.006	0.0099	0.0092	0.0121
	ECC	0.0112	0.0223	0.0166	0.0194
	EM	0.0093	0.0164	0.0149	0.017
	EMS	0.01	0.0168	0.0144	0.0202
	FIRE	0.0075	0.0127	0.0105	0.0154
	LE	0.0143	0.0206	0.0205	0.0294

Q33_1.1) Have exercises adequately prepared your organization's personnel to achieve communications operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0082	0.0146	0.0139	0.0134
	ECC	0.0131	0.0244	0.0221	0.0213
	EM	0.0138	0.0252	0.0231	0.0213
	EMS	0.014	0.0253	0.0244	0.0223
	FIRE	0.0126	0.0224	0.0215	0.0208
	LE	0.0145	0.0276	0.0256	0.0221
No	ALL	0.0082	0.0146	0.0139	0.0134
	ECC	0.0131	0.0244	0.0221	0.0213
	EM	0.0138	0.0252	0.0231	0.0213
	EMS	0.014	0.0253	0.0244	0.0223
	FIRE	0.0126	0.0224	0.0215	0.0208
	LE	0.0145	0.0276	0.0256	0.0221

Q33_1.2) Have exercises adequately prepared your organization's personnel to achieve communications operability in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0098	0.0171	0.0165	0.0171
	ECC	0.0171	0.0314	0.0293	0.028
	EM	0.0175	0.0304	0.0292	0.0297
	EMS	0.0172	0.0301	0.029	0.0297
	FIRE	0.0152	0.0263	0.0254	0.027
	LE	0.0167	0.0319	0.0285	0.026
No	ALL	0.0098	0.0171	0.0165	0.0171
	ECC	0.0171	0.0314	0.0293	0.028
	EM	0.0175	0.0304	0.0292	0.0297
	EMS	0.0172	0.0301	0.029	0.0297
	FIRE	0.0152	0.0263	0.0254	0.027
	LE	0.0167	0.0319	0.0285	0.026

Q33_2.1) Have exercises adequately prepared your organization's personnel to achieve communications interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0093	0.0164	0.0157	0.0157
	ECC	0.0155	0.0287	0.0264	0.0251
	EM	0.0162	0.0284	0.0273	0.0276
	EMS	0.0163	0.0289	0.0279	0.0272
	FIRE	0.0144	0.0251	0.0245	0.0244
	LE	0.0158	0.0298	0.0278	0.0242
No	ALL	0.0093	0.0164	0.0157	0.0157
	ECC	0.0155	0.0287	0.0264	0.0251
	EM	0.0162	0.0284	0.0273	0.0276
	EMS	0.0163	0.0289	0.0279	0.0272
	FIRE	0.0144	0.0251	0.0245	0.0244
	LE	0.0158	0.0298	0.0278	0.0242

Q33_2.2) Have exercises adequately prepared your organization's personnel to achieve communications interoperability in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0102	0.0174	0.0172	0.0185
	ECC	0.0189	0.0337	0.0319	0.0325
	EM	0.0187	0.0312	0.0317	0.0343
	EMS	0.0176	0.03	0.0302	0.0313
	FIRE	0.0155	0.0262	0.0261	0.0284
	LE	0.0174	0.0326	0.0297	0.0284
No	ALL	0.0102	0.0174	0.0172	0.0185
	ECC	0.0189	0.0337	0.0319	0.0325
	EM	0.0187	0.0312	0.0317	0.0343
	EMS	0.0176	0.03	0.0302	0.0313
	FIRE	0.0155	0.0262	0.0261	0.0284
	LE	0.0174	0.0326	0.0297	0.0284

Q33_3.1) Have exercises adequately prepared your organization's personnel to achieve communications continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0097	0.0168	0.0163	0.0168
	ECC	0.0166	0.0299	0.0283	0.0281
	EM	0.0173	0.0294	0.0294	0.0306
	EMS	0.017	0.0297	0.0291	0.0291
	FIRE	0.015	0.0259	0.0255	0.0263
	LE	0.0161	0.0297	0.0281	0.0257
No	ALL	0.0097	0.0168	0.0163	0.0168
	ECC	0.0166	0.0299	0.0283	0.0281
	EM	0.0173	0.0294	0.0294	0.0306
	EMS	0.017	0.0297	0.0291	0.0291
	FIRE	0.015	0.0259	0.0255	0.0263
	LE	0.0161	0.0297	0.0281	0.0257

Q33_3.2) Have exercises adequately prepared your organization's personnel to achieve communications continuity in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0103	0.0174	0.0173	0.0188
	ECC	0.0193	0.0341	0.0324	0.0334
	EM	0.019	0.0312	0.0326	0.0354
	EMS	0.0175	0.0296	0.03	0.0314
	FIRE	0.0154	0.0257	0.026	0.0284
	LE	0.0176	0.0326	0.03	0.0291
No	ALL	0.0103	0.0174	0.0173	0.0188
	ECC	0.0193	0.0341	0.0324	0.0334
	EM	0.019	0.0312	0.0326	0.0354
	EMS	0.0175	0.0296	0.03	0.0314
	FIRE	0.0154	0.0257	0.026	0.0284
	LE	0.0176	0.0326	0.03	0.0291

Q34_1) Select the emergency communications capabilities that are tested (or regularly used) for primary voice.
(SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_1.a)	ALL	0.0073	0.0117	0.0119	0.0142
	ECC	0.0148	0.0231	0.025	0.028
	EM	0.0138	0.0232	0.0216	0.0273
	EMS	0.0112	0.0177	0.019	0.0215
	FIRE	0.0101	0.0161	0.017	0.0196
	LE	0.0135	0.0223	0.0225	0.0244
For "out-of-the-ordinary" situations (Q34_1.b)	ALL	0.0104	0.0177	0.0176	0.0189
	ECC	0.0197	0.0347	0.0336	0.0343
	EM	0.0193	0.0318	0.033	0.0359
	EMS	0.0178	0.0299	0.0308	0.0316
	FIRE	0.0156	0.0262	0.0263	0.0286
	LE	0.018	0.0333	0.0304	0.0301
With personnel beyond our organization (Q34_1.c)	ALL	0.0102	0.0174	0.0174	0.0183
	ECC	0.0197	0.0344	0.0335	0.034
	EM	0.0193	0.0317	0.0333	0.0354
	EMS	0.0173	0.0289	0.0305	0.0304
	FIRE	0.0152	0.0256	0.026	0.0275
	LE	0.0175	0.0315	0.0299	0.0291
In accordance with SOPs/SOGs (Q34_1.d)	ALL	0.0104	0.0173	0.0176	0.019
	ECC	0.0197	0.0348	0.0331	0.0343
	EM	0.0194	0.0315	0.0332	0.0359
	EMS	0.0178	0.0289	0.031	0.0316
	FIRE	0.0156	0.0256	0.0265	0.0286
	LE	0.018	0.0328	0.0304	0.0302
My organization does not have this capability (Q34_1.e)	ALL	0.0023	0.0046	0.0037	0.0032
	ECC	0.0038	0.0096	0.0045	0.0047
	EM	0.0037	0.008	0.0044	0.0052
	EMS	0.0032	0.0067	0.0054	0.004
	FIRE	0.0032	0.0059	0.0057	0.0046
	LE	0.005	0.0111	0.0082	0.0072

Q34_2) Select the emergency communications capabilities that are tested (or regularly used) for primary data.
(SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_2.a)	ALL	0.0104	0.0188	0.0172	0.0178
	ECC	0.0174	0.0309	0.028	0.0314
	EM	0.0177	0.0308	0.0289	0.0316
	EMS	0.018	0.0335	0.0307	0.0274
	FIRE	0.0166	0.0291	0.0281	0.0268
	LE	0.0164	0.0315	0.0269	0.0273
For "out-of-the-ordinary" situations (Q34_2.b)	ALL	0.0103	0.0169	0.0176	0.0191
	ECC	0.0201	0.0346	0.0342	0.0354
	EM	0.02	0.0307	0.0351	0.0373
	EMS	0.0172	0.0262	0.0291	0.0326
	FIRE	0.0146	0.0219	0.0243	0.029
	LE	0.018	0.0318	0.0306	0.0305
With personnel beyond our organization (Q34_2.c)	ALL	0.0094	0.0157	0.016	0.0172
	ECC	0.0183	0.0313	0.0325	0.031
	EM	0.0187	0.0302	0.032	0.0354
	EMS	0.0156	0.024	0.0277	0.0285
	FIRE	0.0131	0.0196	0.0223	0.0258
	LE	0.0164	0.0298	0.028	0.0276
In accordance with SOPs/SOGs (Q34_2.d)	ALL	0.0105	0.0171	0.0177	0.0197
	ECC	0.0203	0.0352	0.0346	0.0356
	EM	0.02	0.0312	0.035	0.0373
	EMS	0.018	0.0289	0.0316	0.0322
	FIRE	0.0152	0.0234	0.0259	0.0291
	LE	0.0184	0.033	0.0309	0.0311
My organization does not have this capability (Q34_2.e)	ALL	0.0084	0.017	0.0135	0.0111
	ECC	0.0105	0.0242	0.0148	0.0132
	EM	0.012	0.0249	0.0185	0.0146
	EMS	0.0151	0.0315	0.0253	0.0171
	FIRE	0.0151	0.0286	0.0253	0.0198
	LE	0.01	0.0244	0.015	0.0132

Q34_3) Select the emergency communications capabilities that are tested (or regularly used) for voice interoperability. (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_3.a)	ALL	0.01	0.0175	0.0167	0.0181
	ECC	0.0177	0.0304	0.0297	0.0317
	EM	0.0178	0.0292	0.0298	0.0337
	EMS	0.0174	0.0311	0.0298	0.0293
	FIRE	0.0154	0.0273	0.0266	0.0257
	LE	0.0175	0.033	0.0292	0.0289
For "out-of-the-ordinary" situations (Q34_3.b)	ALL	0.011	0.0189	0.0185	0.0198
	ECC	0.0205	0.0363	0.0344	0.0357
	EM	0.0201	0.033	0.0347	0.037
	EMS	0.019	0.0331	0.0319	0.0335
	FIRE	0.0164	0.0275	0.0274	0.0299
	LE	0.0189	0.0343	0.0322	0.0312
With personnel beyond our organization (Q34_3.c)	ALL	0.0107	0.0185	0.018	0.0192
	ECC	0.0203	0.0359	0.0343	0.0352
	EM	0.0199	0.0328	0.0344	0.0364
	EMS	0.0186	0.0323	0.0314	0.0326
	FIRE	0.0161	0.0274	0.027	0.0292
	LE	0.0184	0.0332	0.0314	0.0304
In accordance with SOPs/SOGs (Q34_3.d)	ALL	0.0109	0.0184	0.0182	0.0198
	ECC	0.0205	0.0362	0.0344	0.0357
	EM	0.0198	0.0322	0.0341	0.0366
	EMS	0.0188	0.0326	0.0319	0.0329
	FIRE	0.0162	0.0272	0.0271	0.0297
	LE	0.019	0.0358	0.0319	0.0312
My organization does not have this capability (Q34_3.e)	ALL	0.006	0.0114	0.0107	0.0082
	ECC	0.007	0.0138	0.0123	0.0101
	EM	0.0093	0.0166	0.0185	0.0108
	EMS	0.011	0.021	0.0205	0.0143
	FIRE	0.0105	0.0196	0.0189	0.0153
	LE	0.0093	0.0208	0.0162	0.0122

Q34_4) Select the emergency communications capabilities that are tested (or regularly used) for data interoperability. (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_4.a)	ALL	0.0116	0.02	0.0192	0.0209
	ECC	0.0205	0.0365	0.0334	0.0369
	EM	0.0209	0.0352	0.0357	0.0377
	EMS	0.0202	0.0349	0.0335	0.0355
	FIRE	0.0175	0.0289	0.0291	0.0317
	LE	0.0194	0.0371	0.0318	0.0325
For "out-of-the-ordinary" situations (Q34_4.b)	ALL	0.0102	0.0164	0.0174	0.0192
	ECC	0.0205	0.0368	0.0339	0.0362
	EM	0.0202	0.0317	0.0355	0.0374
	EMS	0.017	0.0262	0.0294	0.0319
	FIRE	0.0139	0.0206	0.0233	0.0277
	LE	0.0183	0.0326	0.031	0.0308
With personnel beyond our organization (Q34_4.c)	ALL	0.0093	0.0156	0.0152	0.0178
	ECC	0.0189	0.0339	0.0315	0.033
	EM	0.0184	0.0306	0.0311	0.0344
	EMS	0.0155	0.0248	0.0254	0.03
	FIRE	0.0129	0.0198	0.0203	0.0266
	LE	0.0171	0.0313	0.0277	0.0296
In accordance with SOPs/SOGs (Q34_4.d)	ALL	0.0105	0.017	0.0171	0.0202
	ECC	0.0209	0.0375	0.0341	0.0375
	EM	0.0197	0.031	0.0346	0.0372
	EMS	0.0176	0.0285	0.0295	0.033
	FIRE	0.0146	0.023	0.0236	0.029
	LE	0.019	0.0349	0.0307	0.0327
My organization does not have this capability (Q34_4.e)	ALL	0.0105	0.0195	0.0175	0.0164
	ECC	0.0153	0.0296	0.0263	0.0231
	EM	0.0173	0.0317	0.0299	0.0254
	EMS	0.0192	0.0354	0.032	0.0302
	FIRE	0.0174	0.0305	0.0292	0.0282
	LE	0.0148	0.0319	0.0248	0.0209

Q34_5) Select the emergency communications capabilities that are tested (or regularly used) for backup voice.
(SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_5.a)	ALL	0.0111	0.0188	0.0185	0.0206
	ECC	0.0203	0.0361	0.0337	0.0357
	EM	0.0209	0.0344	0.0353	0.0388
	EMS	0.0192	0.0321	0.0325	0.0348
	FIRE	0.0164	0.0274	0.0267	0.031
	LE	0.0192	0.0357	0.0318	0.0326
For "out-of-the-ordinary" situations (Q34_5.b)	ALL	0.0101	0.0164	0.0171	0.0191
	ECC	0.0204	0.036	0.0345	0.0355
	EM	0.0202	0.032	0.0348	0.0386
	EMS	0.017	0.0267	0.0291	0.0322
	FIRE	0.014	0.0214	0.0236	0.0276
	LE	0.0176	0.0302	0.0295	0.0311
With personnel beyond our organization (Q34_5.c)	ALL	0.0087	0.0143	0.0148	0.0164
	ECC	0.0178	0.0309	0.0309	0.0305
	EM	0.0178	0.0288	0.0306	0.0335
	EMS	0.0146	0.0218	0.0249	0.0288
	FIRE	0.012	0.0178	0.0196	0.0252
	LE	0.0154	0.0251	0.0263	0.0275
In accordance with SOPs/SOGs (Q34_5.d)	ALL	0.01	0.0161	0.0163	0.0196
	ECC	0.0202	0.0353	0.034	0.0356
	EM	0.0194	0.031	0.0327	0.038
	EMS	0.0163	0.0267	0.0275	0.0305
	FIRE	0.0138	0.0223	0.0215	0.0279
	LE	0.0179	0.0324	0.0288	0.0317
My organization does not have this capability (Q34_5.e)	ALL	0.0107	0.0191	0.0177	0.0177
	ECC	0.0143	0.028	0.024	0.0217
	EM	0.0179	0.0323	0.0293	0.029
	EMS	0.0191	0.0337	0.0317	0.0324
	FIRE	0.0169	0.0291	0.0278	0.0294
	LE	0.0167	0.0341	0.028	0.0238

Q34_6) Select the emergency communications capabilities that are tested (or regularly used) for backup data.
(SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_6.a)	ALL	0.011	0.0183	0.0183	0.0207
	ECC	0.0213	0.0378	0.0358	0.0371
	EM	0.021	0.0341	0.0358	0.0395
	EMS	0.019	0.0315	0.0316	0.0356
	FIRE	0.0159	0.0256	0.0254	0.0316
	LE	0.0193	0.0356	0.0325	0.0326
For "out-of-the-ordinary" situations (Q34_6.b)	ALL	0.0094	0.0147	0.0159	0.0182
	ECC	0.0199	0.0357	0.0333	0.0342
	EM	0.0189	0.0287	0.0335	0.0366
	EMS	0.0155	0.0241	0.0259	0.0309
	FIRE	0.0123	0.0185	0.0199	0.0259
	LE	0.0172	0.0297	0.0285	0.0303
With personnel beyond our organization (Q34_6.c)	ALL	0.0078	0.0124	0.0133	0.015
	ECC	0.0161	0.0292	0.0281	0.0261
	EM	0.0156	0.0239	0.0272	0.0309
	EMS	0.0124	0.0175	0.0219	0.025
	FIRE	0.01	0.0139	0.0167	0.0217
	LE	0.0148	0.0258	0.0255	0.0252
In accordance with SOPs/SOGs (Q34_6.d)	ALL	0.0099	0.0155	0.0159	0.0198
	ECC	0.0204	0.0359	0.034	0.036
	EM	0.019	0.0293	0.0326	0.0376
	EMS	0.0161	0.0257	0.0272	0.0307
	FIRE	0.0132	0.0209	0.0206	0.0278
	LE	0.0182	0.0327	0.0295	0.0318
My organization does not have this capability (Q34_6.e)	ALL	0.0111	0.0194	0.0186	0.0186
	ECC	0.0174	0.0309	0.0308	0.028
	EM	0.0193	0.0338	0.0322	0.0312
	EMS	0.0197	0.0336	0.0331	0.0347
	FIRE	0.0171	0.0283	0.0282	0.0313
	LE	0.0169	0.0336	0.0291	0.0245

Q34_7) Select the emergency communications capabilities that are tested (or regularly used) for alerts and warnings. (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
For "day-to-day" situations (Q34_7.a)	ALL	0.0106	0.018	0.0175	0.0196
	ECC	0.0193	0.0324	0.0321	0.0351
	EM	0.0185	0.031	0.0304	0.0351
	EMS	0.018	0.0313	0.0298	0.0325
	FIRE	0.0159	0.0272	0.0267	0.0288
	LE	0.0182	0.0331	0.0307	0.0311
For "out-of-the-ordinary" situations (Q34_7.b)	ALL	0.0107	0.0183	0.018	0.0196
	ECC	0.0203	0.0357	0.0348	0.035
	EM	0.02	0.0332	0.0333	0.037
	EMS	0.0182	0.0306	0.0309	0.0332
	FIRE	0.0157	0.0264	0.0261	0.0295
	LE	0.0186	0.0335	0.0316	0.0314
With personnel beyond our organization (Q34_7.c)	ALL	0.0098	0.0171	0.0164	0.0171
	ECC	0.0185	0.0341	0.0315	0.0295
	EM	0.0189	0.0318	0.0324	0.0342
	EMS	0.0165	0.0276	0.028	0.03
	FIRE	0.0142	0.0242	0.0235	0.0265
	LE	0.0168	0.0301	0.0294	0.0276
In accordance with SOPs/SOGs (Q34_7.d)	ALL	0.0106	0.0175	0.0176	0.0199
	ECC	0.0204	0.0357	0.0348	0.0355
	EM	0.02	0.0327	0.0339	0.0371
	EMS	0.0178	0.0297	0.0304	0.0324
	FIRE	0.0153	0.025	0.0253	0.0292
	LE	0.0186	0.0339	0.0314	0.0317
My organization does not have this capability (Q34_7.e)	ALL	0.0074	0.0135	0.0124	0.0119
	ECC	0.0099	0.0178	0.0169	0.017
	EM	0.0089	0.0149	0.0149	0.0169
	EMS	0.0138	0.0256	0.0216	0.0242
	FIRE	0.0124	0.0221	0.0218	0.0198
	LE	0.011	0.0228	0.0189	0.0158

Q37_1) Select the responses that best characterize your organization's emergency communications resource capacity for primary voice. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0066	0.012	0.0116	0.0101
	ECC	0.0078	0.015	0.013	0.0126
	EM	0.0104	0.0169	0.0182	0.0191
	EMS	0.0122	0.0227	0.0216	0.0186
	FIRE	0.0113	0.0197	0.0209	0.0167
	LE	0.0105	0.0228	0.0182	0.0143
Sufficient for "day-to-day" situations but not for "out-of-the-ordinary" situations	ALL	0.0085	0.0154	0.0146	0.0135
	ECC	0.0133	0.026	0.023	0.0191
	EM	0.0155	0.0281	0.0276	0.0213
	EMS	0.0149	0.0282	0.0248	0.0235
	FIRE	0.0133	0.0235	0.0229	0.0221
	LE	0.0132	0.0251	0.0245	0.019
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0103	0.0178	0.0172	0.0188
	ECC	0.0198	0.0349	0.0338	0.034
	EM	0.0193	0.0319	0.0326	0.0362
	EMS	0.0176	0.0299	0.0302	0.0312
	FIRE	0.0154	0.0269	0.0248	0.0282
	LE	0.0182	0.0342	0.0308	0.03
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.0094	0.0142	0.0159	0.0184
	ECC	0.0194	0.0309	0.0335	0.0347
	EM	0.0178	0.0266	0.0307	0.0352
	EMS	0.0163	0.0246	0.0278	0.0312
	FIRE	0.0138	0.0205	0.0232	0.0276
	LE	0.0168	0.028	0.0279	0.0295
My organization does not have this resource	ALL	0.0023	0.0048	0.0038	0.0033
	ECC	0.0039	0.0097	0.0047	0.0048
	EM	0.0037	0.0082	0.0045	0.0053
	EMS	0.0032	0.0067	0.0055	0.0041
	FIRE	0.0034	0.0066	0.0057	0.0047
	LE	0.0052	0.0113	0.0086	0.0073

Q37_2) Select the responses that best characterize your organization's emergency communications resource capacity for primary data. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0064	0.0117	0.01	0.0115
	ECC	0.0082	0.0153	0.0108	0.016
	EM	0.0103	0.0165	0.0145	0.0229
	EMS	0.0123	0.0226	0.0186	0.0223
	FIRE	0.0106	0.018	0.0177	0.0197
	LE	0.011	0.0239	0.018	0.0158
Sufficient for "day-to-day" situations by not for "out-of-the-ordinary" situations	ALL	0.0085	0.0146	0.0152	0.0143
	ECC	0.0147	0.0258	0.0277	0.0225
	EM	0.0169	0.0286	0.0305	0.027
	EMS	0.0155	0.026	0.0275	0.0267
	FIRE	0.013	0.0208	0.0233	0.0232
	LE	0.0142	0.028	0.0257	0.0205
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0104	0.0173	0.0175	0.0192
	ECC	0.0202	0.0351	0.0348	0.0351
	EM	0.0197	0.0322	0.0337	0.0369
	EMS	0.0174	0.0275	0.0301	0.0319
	FIRE	0.0148	0.0241	0.0237	0.029
	LE	0.0186	0.0339	0.032	0.0306
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.0085	0.0123	0.0142	0.0171
	ECC	0.018	0.0282	0.0308	0.0334
	EM	0.0161	0.0234	0.0275	0.033
	EMS	0.0144	0.0217	0.0242	0.0283
	FIRE	0.0119	0.0163	0.0199	0.0251
	LE	0.0155	0.0263	0.0253	0.0275
My organization does not have this resource	ALL	0.0082	0.0164	0.0134	0.011
	ECC	0.011	0.0244	0.0157	0.0146
	EM	0.0118	0.0245	0.0175	0.0144
	EMS	0.0147	0.0299	0.0244	0.0181
	FIRE	0.0146	0.0275	0.0243	0.02
	LE	0.0101	0.0239	0.0154	0.0137

Q37_3) Select the responses that best characterize your organization's emergency communications resource capacity for voice interoperability. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0063	0.0122	0.0098	0.0109
	ECC	0.0086	0.0161	0.0137	0.0151
	EM	0.01	0.0179	0.0147	0.0195
	EMS	0.0119	0.0229	0.0186	0.0198
	FIRE	0.0107	0.02	0.0179	0.0172
	LE	0.0099	0.0209	0.0151	0.0163
Sufficient for "day-to-day" situations by not for "out-of-the-ordinary" situations	ALL	0.0085	0.0154	0.0145	0.0139
	ECC	0.0146	0.0302	0.0227	0.0213
	EM	0.016	0.0291	0.027	0.0248
	EMS	0.015	0.0266	0.0263	0.0247
	FIRE	0.0129	0.0216	0.0227	0.0223
	LE	0.0135	0.0279	0.0238	0.019
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0104	0.0177	0.0172	0.019
	ECC	0.02	0.0352	0.0341	0.0342
	EM	0.0195	0.0322	0.0329	0.0365
	EMS	0.0171	0.0295	0.0288	0.0309
	FIRE	0.0151	0.0262	0.0239	0.0283
	LE	0.0184	0.0347	0.0307	0.0305
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.009	0.0131	0.0151	0.018
	ECC	0.0186	0.0272	0.0318	0.0346
	EM	0.0169	0.023	0.0295	0.0347
	EMS	0.0157	0.0234	0.0261	0.0308
	FIRE	0.0132	0.0198	0.0217	0.0269
	LE	0.0161	0.0246	0.0271	0.029
My organization does not have this resource	ALL	0.007	0.0135	0.0122	0.0096
	ECC	0.0085	0.0174	0.0144	0.0118
	EM	0.0104	0.0183	0.0202	0.0131
	EMS	0.0127	0.0243	0.0223	0.0182
	FIRE	0.0122	0.0228	0.0213	0.018
	LE	0.0107	0.0238	0.0189	0.0133

Q37_4) Select the responses that best characterize your organization's emergency communications resource capacity for data interoperability. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0066	0.0117	0.0105	0.0119
	ECC	0.0097	0.018	0.016	0.0162
	EM	0.0116	0.0188	0.0188	0.0234
	EMS	0.0126	0.023	0.0195	0.0228
	FIRE	0.0104	0.0179	0.0167	0.0199
	LE	0.0105	0.0211	0.0171	0.0171
Sufficient for "day-to-day" situations by not for "out-of-the-ordinary" situations	ALL	0.0081	0.0134	0.0142	0.0143
	ECC	0.0156	0.0289	0.0263	0.0257
	EM	0.016	0.0271	0.0279	0.0274
	EMS	0.0143	0.0235	0.0257	0.0247
	FIRE	0.0117	0.0184	0.0208	0.0216
	LE	0.0142	0.0267	0.0252	0.0221
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0097	0.0159	0.016	0.0185
	ECC	0.0198	0.0345	0.0337	0.0348
	EM	0.0188	0.0302	0.032	0.036
	EMS	0.0153	0.0247	0.0255	0.029
	FIRE	0.0129	0.021	0.0197	0.0264
	LE	0.018	0.0331	0.0303	0.0302
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.0074	0.0103	0.0124	0.0155
	ECC	0.0159	0.0244	0.0266	0.0307
	EM	0.0141	0.0181	0.0242	0.0313
	EMS	0.0124	0.0184	0.0204	0.0252
	FIRE	0.0103	0.0142	0.0167	0.0227
	LE	0.0143	0.0231	0.0238	0.0259
My organization does not have this resource	ALL	0.0099	0.0178	0.0167	0.0155
	ECC	0.0152	0.0273	0.0271	0.0243
	EM	0.0165	0.0293	0.0285	0.0249
	EMS	0.0176	0.0316	0.0302	0.0286
	FIRE	0.0159	0.0274	0.0267	0.0264
	LE	0.0145	0.0301	0.0248	0.0212

Q37_5) Select the responses that best characterize your organization's emergency communications resource capacity for backup voice. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0064	0.0114	0.0103	0.0116
	ECC	0.0091	0.0146	0.0159	0.0168
	EM	0.012	0.0206	0.0178	0.024
	EMS	0.0122	0.022	0.0195	0.0217
	FIRE	0.0103	0.0179	0.0171	0.0184
	LE	0.0096	0.0194	0.0157	0.0152
Sufficient for "day-to-day" situations by not for "out-of-the-ordinary" situations	ALL	0.0078	0.0129	0.0141	0.0136
	ECC	0.0153	0.0279	0.0274	0.0238
	EM	0.0154	0.0261	0.0283	0.0236
	EMS	0.0132	0.0212	0.0251	0.0214
	FIRE	0.0109	0.0168	0.0199	0.0199
	LE	0.014	0.0261	0.025	0.0218
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0095	0.0157	0.0154	0.0182
	ECC	0.0198	0.0351	0.033	0.0348
	EM	0.0185	0.0285	0.0316	0.0361
	EMS	0.015	0.0246	0.0245	0.0289
	FIRE	0.0128	0.0217	0.019	0.0262
	LE	0.0177	0.032	0.0292	0.0303
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.0075	0.0103	0.0127	0.0156
	ECC	0.0169	0.0248	0.0294	0.0322
	EM	0.0148	0.021	0.0262	0.0306
	EMS	0.0129	0.0187	0.0223	0.0255
	FIRE	0.0105	0.0145	0.0177	0.0222
	LE	0.0139	0.0208	0.0225	0.0264
My organization does not have this resource	ALL	0.01	0.0178	0.0169	0.0164
	ECC	0.014	0.0264	0.0239	0.0217
	EM	0.0166	0.0299	0.0276	0.0266
	EMS	0.0179	0.0315	0.0303	0.0303
	FIRE	0.0159	0.0272	0.0267	0.0278
	LE	0.0159	0.0325	0.0279	0.022

Q37_6) Select the responses that best characterize your organization's emergency communications resource capacity for backup data. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0066	0.0114	0.0108	0.0122
	ECC	0.0101	0.016	0.0177	0.0184
	EM	0.0122	0.0207	0.018	0.0248
	EMS	0.0127	0.0227	0.0209	0.0226
	FIRE	0.0103	0.0178	0.0166	0.0194
	LE	0.0106	0.0204	0.0182	0.0168
Sufficient for "day-to-day" situations by not for "out-of-the-ordinary" situations	ALL	0.0077	0.0124	0.0135	0.0144
	ECC	0.0155	0.0284	0.0256	0.0264
	EM	0.0158	0.026	0.0276	0.0282
	EMS	0.0133	0.0208	0.0242	0.0235
	FIRE	0.0108	0.0157	0.0195	0.021
	LE	0.014	0.0259	0.0242	0.023
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0092	0.0152	0.0151	0.0179
	ECC	0.0198	0.0351	0.033	0.0343
	EM	0.0183	0.0277	0.032	0.0359
	EMS	0.0147	0.0239	0.0242	0.0284
	FIRE	0.0124	0.0203	0.0187	0.0256
	LE	0.0176	0.0328	0.0291	0.0298
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.0068	0.0089	0.0115	0.0149
	ECC	0.015	0.0206	0.0256	0.03
	EM	0.0131	0.0177	0.023	0.0282
	EMS	0.0109	0.0165	0.0182	0.022
	FIRE	0.009	0.0126	0.0147	0.0196
	LE	0.0135	0.019	0.0224	0.0257
My organization does not have this resource	ALL	0.0104	0.0181	0.0175	0.0172
	ECC	0.0164	0.0282	0.0295	0.027
	EM	0.018	0.0314	0.0302	0.0293
	EMS	0.0182	0.0318	0.0307	0.0314
	FIRE	0.0161	0.027	0.0269	0.0287
	LE	0.0161	0.0323	0.0282	0.023

Q37_7) Select the responses that best characterize your organization's emergency communications resource capacity for alerts and warnings. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Insufficient for "day-to-day" situations	ALL	0.0062	0.0111	0.0104	0.011
	ECC	0.0087	0.0141	0.0136	0.017
	EM	0.0099	0.0158	0.0153	0.0211
	EMS	0.0113	0.0195	0.0193	0.0201
	FIRE	0.0104	0.0179	0.0179	0.0182
	LE	0.0102	0.0199	0.0174	0.0163
Sufficient for "day-to-day" situations by not for "out-of-the-ordinary" situations	ALL	0.0081	0.0142	0.014	0.0137
	ECC	0.0144	0.0257	0.0258	0.0229
	EM	0.0147	0.0265	0.0255	0.0228
	EMS	0.0147	0.0255	0.026	0.0246
	FIRE	0.013	0.0226	0.0223	0.0224
	LE	0.0135	0.0251	0.0243	0.0208
Sufficient for "day-to-day" situations and most "out-of-the-ordinary" situations	ALL	0.0105	0.018	0.0175	0.0192
	ECC	0.0204	0.0357	0.035	0.0353
	EM	0.0197	0.0327	0.0334	0.0369
	EMS	0.0176	0.03	0.0304	0.0311
	FIRE	0.0153	0.0263	0.0246	0.0289
	LE	0.0186	0.0348	0.0312	0.0309
Sufficient for almost all situations, including those requiring resources beyond our organization	ALL	0.009	0.0142	0.0148	0.0176
	ECC	0.0181	0.0303	0.0299	0.0334
	EM	0.0178	0.0284	0.0302	0.0345
	EMS	0.0149	0.0243	0.0243	0.0289
	FIRE	0.0127	0.0193	0.0209	0.0257
	LE	0.0161	0.0275	0.0266	0.0286
My organization does not have this resource	ALL	0.0074	0.0136	0.0127	0.0119
	ECC	0.0102	0.0178	0.0177	0.0177
	EM	0.0095	0.0163	0.0159	0.017
	EMS	0.0139	0.0257	0.0219	0.0243
	FIRE	0.0126	0.0222	0.022	0.0203
	LE	0.0111	0.023	0.0199	0.015

Q38_1) Select the responses that best characterize how often your organization uses or deploys interoperability solutions - voice. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0078	0.0141	0.0138	0.012
	ECC	0.0117	0.0218	0.0219	0.016
	EM	0.0127	0.023	0.0228	0.0174
	EMS	0.0138	0.0258	0.0252	0.0183
	FIRE	0.0128	0.023	0.0221	0.0202
	LE	0.0134	0.0271	0.0246	0.0178
As needed	ALL	0.0105	0.0177	0.0178	0.0193
	ECC	0.0201	0.0337	0.0341	0.0353
	EM	0.0194	0.0314	0.0337	0.0363
	EMS	0.0183	0.031	0.0312	0.0326
	FIRE	0.016	0.0268	0.0266	0.0295
	LE	0.0183	0.0337	0.0311	0.0304
Semi-annually	ALL	0.0032	0.0053	0.0049	0.0066
	ECC	0.0068	0.0111	0.0112	0.0129
	EM	0.0065	0.0114	0.0091	0.013
	EMS	0.0053	0.0088	0.0086	0.0104
	FIRE	0.0043	0.0073	0.0074	0.0077
	LE	0.0061	0.0114	0.0077	0.0122
Quarterly	ALL	0.0031	0.0048	0.0053	0.0061
	ECC	0.0062	0.0111	0.0112	0.0099
	EM	0.0057	0.0091	0.0102	0.0107
	EMS	0.005	0.0079	0.0094	0.0085
	FIRE	0.0034	0.0042	0.0074	0.0049
	LE	0.0049	0.0094	0.0094	0.0064
Monthly	ALL	0.0043	0.0062	0.0067	0.0095
	ECC	0.009	0.0111	0.0144	0.0196
	EM	0.009	0.0121	0.0155	0.0201
	EMS	0.007	0.0111	0.0121	0.0133
	FIRE	0.0059	0.0103	0.0104	0.0097
	LE	0.0075	0.0094	0.0102	0.0165
Daily	ALL	0.0083	0.0124	0.0144	0.0163
	ECC	0.0175	0.0264	0.0312	0.0321
	EM	0.0156	0.0233	0.0277	0.0308
	EMS	0.0149	0.0211	0.0261	0.0292
	FIRE	0.0126	0.0169	0.0209	0.0269
	LE	0.0145	0.0243	0.0248	0.0255

Q38_2) Select the responses that best characterize how often your organization uses or deploys interoperability solutions - data. (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0104	0.018	0.0175	0.0177
	ECC	0.0184	0.033	0.0321	0.0295
	EM	0.0187	0.0317	0.0324	0.0312
	EMS	0.0182	0.0312	0.0309	0.0309
	FIRE	0.016	0.0264	0.0265	0.0286
	LE	0.0169	0.0328	0.0295	0.0255
As needed	ALL	0.0105	0.0176	0.0175	0.0193
	ECC	0.0201	0.0352	0.0338	0.0355
	EM	0.0198	0.0322	0.0341	0.037
	EMS	0.0178	0.0303	0.0295	0.0325
	FIRE	0.0153	0.0255	0.025	0.0293
	LE	0.0185	0.0343	0.0312	0.0306
Semi-annually	ALL	0.0032	0.0041	0.0053	0.0072
	ECC	0.0066	0.0085	0.0112	0.014
	EM	0.0068	0.0093	0.0122	0.0143
	EMS	0.0049	0.0056	0.0085	0.0112
	FIRE	0.0039	0.0041	0.0068	0.0092
	LE	0.006	0.0094	0.0086	0.0122
Quarterly	ALL	0.0024	0.0034	0.0045	0.0042
	ECC	0.0048	0.0085	0.0092	0.0071
	EM	0.0056	0.0072	0.0113	0.0109
	EMS	0.0027	0.0039	0.0054	0.0043
	FIRE	0.0014	NR	0.004	NR
	LE	0.0043	0.0066	0.0086	0.0065
Monthly	ALL	0.003	0.0046	0.0042	0.0068
	ECC	0.0066	0.0109	0.0092	0.014
	EM	0.0062	0.0109	0.008	0.0132
	EMS	0.0044	0.0039	0.0092	0.0085
	FIRE	0.0035	0.0041	0.0068	0.007
	LE	0.006	0.0094	0.0086	0.0122
Daily	ALL	0.0067	0.0093	0.0116	0.0139
	ECC	0.0147	0.0215	0.0255	0.0285
	EM	0.0125	0.0175	0.0216	0.0267
	EMS	0.0118	0.0152	0.02	0.0249
	FIRE	0.0097	0.0111	0.016	0.0224
	LE	0.0125	0.0214	0.0217	0.0215

Q38_3) Select the responses that best characterize how often your organization uses or deploys
Communications Unit Leader (COML). (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0104	0.0174	0.0174	0.0192
	ECC	0.0201	0.0349	0.0339	0.0349
	EM	0.0196	0.0318	0.0336	0.0346
	EMS	0.0177	0.029	0.0302	0.032
	FIRE	0.0154	0.0253	0.0257	0.0291
	LE	0.0183	0.0338	0.0306	0.0301
As needed	ALL	0.0101	0.0168	0.0169	0.0188
	ECC	0.0196	0.0343	0.0333	0.0343
	EM	0.0194	0.031	0.0332	0.0366
	EMS	0.017	0.0281	0.0293	0.0308
	FIRE	0.0149	0.0244	0.0247	0.0284
	LE	0.0179	0.033	0.0299	0.0302
Semi-annually	ALL	0.003	0.0045	0.0056	0.0056
	ECC	0.0067	0.0085	0.0135	0.0119
	EM	0.0062	0.0071	0.0118	0.0139
	EMS	0.0045	0.0055	0.009	0.0083
	FIRE	0.0037	0.0066	0.0068	0.0059
	LE	0.0053	0.0081	0.0094	0.0096
Quarterly	ALL	0.0024	0.0039	0.0037	0.0051
	ECC	0.0051	0.0099	0.0091	0.0069
	EM	0.0051	0.0082	0.009	0.0092
	EMS	0.0043	0.0055	0.0082	0.0083
	FIRE	0.0032	0.0051	0.0062	0.0048
	LE	0.004	0.0066	0.0039	0.0089
Monthly	ALL	0.0028	0.0041	0.0037	0.0066
	ECC	0.0064	0.005	0.0102	0.0152
	EM	0.0061	0.01	0.0078	0.0139
	EMS	0.0037	0.0055	0.0064	0.0072
	FIRE	0.0033	0.0051	0.0055	0.0068
	LE	0.0046	0.0081	0.0039	0.0103
Daily	ALL	0.0031	0.0037	0.0049	0.0074
	ECC	0.0074	0.007	0.0111	0.0178
	EM	0.0062	0.0058	0.009	0.0172
	EMS	0.0052	0.0055	0.0082	0.0123
	FIRE	0.0046	0.0042	0.0073	0.0116
	LE	0.0064	0.0093	0.0094	0.013

Q38_4) Select the responses that best characterize how often your organization uses or deploys
Communications Unit Technician (COMT). (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0102	0.0169	0.0168	0.0191
	ECC	0.0199	0.0342	0.0334	0.0351
	EM	0.0195	0.0307	0.0333	0.036
	EMS	0.017	0.0281	0.029	0.0311
	FIRE	0.0148	0.0242	0.0245	0.0283
	LE	0.0182	0.0336	0.0297	0.0303
As needed	ALL	0.0098	0.0164	0.0161	0.0185
	ECC	0.0191	0.0336	0.0315	0.034
	EM	0.019	0.03	0.0323	0.0365
	EMS	0.0164	0.0277	0.0279	0.0297
	FIRE	0.0143	0.0239	0.0235	0.0275
	LE	0.0177	0.0331	0.0289	0.03
Semi-annually	ALL	0.0026	0.0037	0.0049	0.0051
	ECC	0.0064	0.0099	0.0128	0.0098
	EM	0.005	0.0071	0.0078	0.0118
	EMS	0.0032	NR	0.0064	0.0072
	FIRE	0.0027	0.0029	0.0055	0.0048
	LE	0.0042	0.0066	0.0066	0.0082
Quarterly	ALL	0.0024	0.0034	0.0039	0.0051
	ECC	0.0051	0.007	0.0091	0.0098
	EM	0.005	0.0081	0.009	0.0092
	EMS	0.0043	0.0039	0.0082	0.0093
	FIRE	0.003	0.0042	0.0062	0.0048
	LE	0.0038	0.0047	0.0054	0.0082
Monthly	ALL	0.0111	0.0065	0.0025	0.0265
	ECC	0.0161	NR	0.0046	0.0443
	EM	0.0153	0.0082	0.0045	0.0374
	EMS	0.0092	0.0039	0.0074	0.0167
	FIRE	0.0081	0.0029	0.0056	0.0171
	LE	0.0148	0.0094	NR	0.0332
Daily	ALL	0.0026	0.0022	0.0046	0.0063
	ECC	0.0067	NR	0.0128	0.0152
	EM	0.005	NR	0.0109	0.0118
	EMS	0.0035	0.0039	0.0064	0.0072
	FIRE	0.0028	NR	0.0055	0.0068
	LE	0.0055	0.0066	0.0085	0.0115

Q38_5) Select the responses that best characterize how often your organization uses or deploys IT Service Unit Leader (ITSL). (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.01	0.0163	0.0167	0.0189
	ECC	0.0195	0.034	0.0329	0.0346
	EM	0.0191	0.0295	0.0329	0.0368
	EMS	0.0166	0.0272	0.0284	0.0305
	FIRE	0.0142	0.0223	0.0238	0.0278
	LE	0.0182	0.0335	0.0303	0.0304
As needed	ALL	0.0096	0.0158	0.0159	0.0181
	ECC	0.0186	0.0332	0.0309	0.0325
	EM	0.0184	0.0286	0.0314	0.036
	EMS	0.016	0.0267	0.0274	0.0288
	FIRE	0.0137	0.0221	0.0228	0.0268
	LE	0.0176	0.0329	0.0292	0.0297
Semi-annually	ALL	0.0025	0.0026	0.0045	0.0058
	ECC	0.0055	0.005	0.0102	0.0119
	EM	0.0046	0.0041	0.0079	0.0119
	EMS	0.0032	NR	0.0037	0.0093
	FIRE	0.0027	0.0029	0.0039	0.0069
	LE	0.0052	0.0047	0.0077	0.0115
Quarterly	ALL	0.0023	0.0032	0.0043	0.0044
	ECC	0.0053	0.0086	0.0112	0.0069
	EM	0.0051	0.0081	0.011	0.0054
	EMS	0.0039	0.0039	0.0074	0.0083
	FIRE	0.002	0.0029	0.0039	0.0034
	LE	0.004	0.0047	0.0085	0.0064
Monthly	ALL	0.0023	0.0034	0.0028	0.0055
	ECC	0.0045	0.005	0.0046	0.0119
	EM	0.0051	0.0071	0.0046	0.014
	EMS	0.0032	0.0039	0.0053	0.0072
	FIRE	0.0027	NR	0.0048	0.0069
	LE	0.0046	0.0081	0.0054	0.0096
Daily	ALL	0.0026	0.0022	0.0045	0.0062
	ECC	0.006	0.005	0.0112	0.0128
	EM	0.0046	NR	0.0101	0.0107
	EMS	0.0035	0.0039	0.0064	0.0072
	FIRE	0.0032	NR	0.0068	0.0069
	LE	0.0055	0.0066	0.0085	0.0115

Q38_6) Select the responses that best characterize how often your organization uses or deploys Incident Tactical Dispatcher (INTD). (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0103	0.0168	0.0172	0.0192
	ECC	0.0201	0.0347	0.0339	0.0345
	EM	0.0195	0.0308	0.0337	0.0365
	EMS	0.0172	0.0273	0.0292	0.032
	FIRE	0.0151	0.024	0.0247	0.0292
	LE	0.0183	0.033	0.0309	0.0299
As needed	ALL	0.01	0.0163	0.0166	0.0189
	ECC	0.0197	0.0343	0.0331	0.0349
	EM	0.0189	0.0296	0.0328	0.0363
	EMS	0.0165	0.0271	0.0282	0.0304
	FIRE	0.0145	0.0236	0.0233	0.0283
	LE	0.018	0.0323	0.0303	0.0304
Semi-annually	ALL	0.0027	0.0034	0.0046	0.006
	ECC	0.0062	0.005	0.0128	0.0119
	EM	0.0059	0.0071	0.0101	0.0139
	EMS	0.0039	0.0039	0.0053	0.0101
	FIRE	0.003	0.0029	0.0048	0.0076
	LE	0.0055	0.0066	0.0085	0.0115
Quarterly	ALL	0.0022	0.0032	0.003	0.0051
	ECC	0.0055	0.0099	0.0079	0.0109
	EM	0.0031	0.0041	0.0064	0.0054
	EMS	0.0035	NR	0.0074	0.0072
	FIRE	0.002	NR	0.0048	0.0034
	LE	0.0042	0.0066	NR	0.0103
Monthly	ALL	0.0025	0.0034	0.0041	0.0057
	ECC	0.0055	NR	0.0079	0.0144
	EM	0.0057	0.0081	0.0091	0.013
	EMS	0.0041	NR	0.0074	0.0101
	FIRE	0.0036	0.0029	0.0062	0.009
	LE	0.0053	0.0066	0.0094	0.0103
Daily	ALL	0.003	0.0036	0.0055	0.0064
	ECC	0.0057	NR	0.0102	0.0137
	EM	0.0066	0.0091	0.011	0.0149
	EMS	0.0041	0.0039	0.0053	0.0109
	FIRE	0.0046	0.0042	0.0091	0.0096
	LE	0.0046	0.0047	0.0077	0.0097

Q38_7) Select the responses that best characterize how often your organization uses or deploys Auxiliary Communication (AUXCOM) Operator (e.g., Amateur Radio Operator, Auxiliary Communications Operator). (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0104	0.0173	0.0175	0.0191
	ECC	0.02	0.0349	0.0339	0.0349
	EM	0.0193	0.0319	0.0325	0.0354
	EMS	0.0175	0.0288	0.0301	0.0317
	FIRE	0.0152	0.0245	0.0256	0.0288
	LE	0.0182	0.0333	0.0307	0.0304
As needed	ALL	0.0101	0.0167	0.0171	0.0185
	ECC	0.0195	0.0343	0.0334	0.0338
	EM	0.0195	0.0314	0.0336	0.0366
	EMS	0.017	0.0281	0.0297	0.0304
	FIRE	0.0147	0.0239	0.0249	0.0278
	LE	0.0176	0.0321	0.0299	0.0297
Semi-annually	ALL	0.0032	0.0051	0.0052	0.0065
	ECC	0.0071	0.0119	0.0119	0.0127
	EM	0.0071	0.012	0.0118	0.013
	EMS	0.0043	0.0055	0.0064	0.0101
	FIRE	0.0036	0.0051	0.0062	0.0076
	LE	0.0056	0.0093	0.0101	0.0096
Quarterly	ALL	0.0023	0.0031	0.0043	0.0044
	ECC	0.0042	NR	0.0091	0.0084
	EM	0.0057	0.009	0.0109	0.0092
	EMS	0.0029	NR	0.0064	0.0059
	FIRE	0.002	NR	0.0048	0.0034
	LE	0.0038	0.0047	0.0077	0.0064
Monthly	ALL	0.003	0.0034	0.0052	0.0068
	ECC	0.0057	0.007	0.0101	0.0118
	EM	0.0082	0.007	0.0152	0.02
	EMS	0.0037	0.0039	0.0053	0.0093
	FIRE	0.0035	0.0029	0.0048	0.0096
	LE	0.0053	0.0093	0.0067	0.0109
Daily	ALL	0.0024	0.0038	0.0035	0.0053
	ECC	0.005	0.007	0.0079	0.0108
	EM	0.0048	0.0057	0.0064	0.013
	EMS	0.0037	0.0067	0.0053	0.0072
	FIRE	0.0035	0.0058	0.0055	0.0069
	LE	0.0044	0.0093	0.0039	0.0089

Q38_8) Select the responses that best characterize how often your organization uses or deploys Incident Communications Manager (INCM). (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Never	ALL	0.0105	0.0178	0.0176	0.0192
	ECC	0.02	0.0353	0.0338	0.0348
	EM	0.0196	0.0319	0.0336	0.0362
	EMS	0.0179	0.0304	0.0305	0.032
	FIRE	0.0157	0.0266	0.0261	0.0291
	LE	0.0183	0.0342	0.031	0.0297
As needed	ALL	0.0104	0.0175	0.0173	0.0191
	ECC	0.02	0.0351	0.0336	0.0351
	EM	0.0195	0.0314	0.0335	0.0367
	EMS	0.0175	0.0299	0.0299	0.031
	FIRE	0.0153	0.0261	0.0252	0.0286
	LE	0.0183	0.0339	0.0308	0.0304
Semi-annually	ALL	0.003	0.0044	0.0056	0.0056
	ECC	0.0061	0.007	0.0127	0.0109
	EM	0.0055	0.0091	0.01	0.0092
	EMS	0.0052	0.0067	0.0104	0.0093
	FIRE	0.0041	0.0065	0.0083	0.0059
	LE	0.0059	0.0081	0.01	0.0115
Quarterly	ALL	0.0021	0.0026	0.0043	0.0039
	ECC	0.0045	0.007	0.0079	0.0085
	EM	0.0048	0.0071	0.009	0.0092
	EMS	0.0037	0.0039	0.0074	0.0072
	FIRE	0.003	0.0042	0.0062	0.0049
	LE	0.004	0.0066	0.0076	0.0064
Monthly	ALL	0.0022	0.0032	0.0037	0.0046
	ECC	0.0045	NR	0.0079	0.0109
	EM	0.0048	0.0071	0.0045	0.013
	EMS	0.0035	0.0039	0.0074	0.0059
	FIRE	0.0032	0.0029	0.0068	0.0059
	LE	0.0035	0.0066	0.0054	0.0064
Daily	ALL	0.0027	0.0043	0.0039	0.006
	ECC	0.0053	0.0085	0.0091	0.0098
	EM	0.0046	0.0058	0.009	0.0092
	EMS	0.0047	0.0077	0.0064	0.0101
	FIRE	0.0042	0.0065	0.0068	0.009
	LE	0.005	0.0081	0.0066	0.0103

Q39_1.1) Are your organization's end users proficient in using emergency communications capabilities to achieve operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0059	0.0111	0.0101	0.0088
	ECC	0.0089	0.0162	0.0168	0.0124
	EM	0.0112	0.0209	0.0183	0.0173
	EMS	0.0104	0.0196	0.0186	0.0152
	FIRE	0.0091	0.017	0.0156	0.0139
	LE	0.0096	0.0195	0.0176	0.0128
No	ALL	0.0059	0.0111	0.0101	0.0088
	ECC	0.0089	0.0162	0.0168	0.0124
	EM	0.0112	0.0209	0.0183	0.0173
	EMS	0.0104	0.0196	0.0186	0.0152
	FIRE	0.0091	0.017	0.0156	0.0139
	LE	0.0096	0.0195	0.0176	0.0128

Q39_1.2) Are your organization's end users proficient in using emergency communications capabilities to achieve operability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0094	0.0168	0.0158	0.0155
	ECC	0.015	0.0288	0.0246	0.024
	EM	0.0175	0.0304	0.0297	0.029
	EMS	0.0168	0.0303	0.0282	0.0274
	FIRE	0.0148	0.0262	0.0248	0.0248
	LE	0.0146	0.029	0.0254	0.0218
No	ALL	0.0094	0.0168	0.0158	0.0155
	ECC	0.015	0.0288	0.0246	0.024
	EM	0.0175	0.0304	0.0297	0.029
	EMS	0.0168	0.0303	0.0282	0.0274
	FIRE	0.0148	0.0262	0.0248	0.0248
	LE	0.0146	0.029	0.0254	0.0218

Q39_2.1) Are your organization's end users proficient in using emergency communications capabilities to achieve interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0085	0.0156	0.0142	0.014
	ECC	0.0135	0.0254	0.0226	0.0216
	EM	0.016	0.0281	0.0264	0.0276
	EMS	0.0153	0.0284	0.0259	0.0242
	FIRE	0.0135	0.0247	0.0223	0.0224
	LE	0.0135	0.0268	0.0237	0.0198
No	ALL	0.0085	0.0156	0.0142	0.014
	ECC	0.0135	0.0254	0.0226	0.0216
	EM	0.016	0.0281	0.0264	0.0276
	EMS	0.0153	0.0284	0.0259	0.0242
	FIRE	0.0135	0.0247	0.0223	0.0224
	LE	0.0135	0.0268	0.0237	0.0198

Q39_2.2) Are your organization's end user proficient in using emergency communications capabilities to achieve interoperability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0103	0.0177	0.0173	0.0181
	ECC	0.0187	0.0337	0.0313	0.0321
	EM	0.0192	0.0317	0.0329	0.0351
	EMS	0.0179	0.0307	0.0306	0.0315
	FIRE	0.0157	0.0269	0.0263	0.0284
	LE	0.0169	0.0323	0.0289	0.0271
No	ALL	0.0103	0.0177	0.0173	0.0181
	ECC	0.0187	0.0337	0.0313	0.0321
	EM	0.0192	0.0317	0.0329	0.0351
	EMS	0.0179	0.0307	0.0306	0.0315
	FIRE	0.0157	0.0269	0.0263	0.0284
	LE	0.0169	0.0323	0.0289	0.0271

Q39_3.1) Are your organization's end users proficient in using emergency communications capabilities to achieve continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0093	0.0165	0.0158	0.016
	ECC	0.0155	0.0272	0.0263	0.0273
	EM	0.0178	0.0299	0.03	0.0327
	EMS	0.0168	0.03	0.0282	0.0285
	FIRE	0.0148	0.026	0.0248	0.0257
	LE	0.0141	0.0263	0.0252	0.022
	No	ALL	0.0093	0.0165	0.0158
ECC		0.0155	0.0272	0.0263	0.0273
EM		0.0178	0.0299	0.03	0.0327
EMS		0.0168	0.03	0.0282	0.0285
FIRE		0.0148	0.026	0.0248	0.0257
LE		0.0141	0.0263	0.0252	0.022

Q39_3.2) Are your organization's end users proficient in using emergency communications capabilities to achieve continuity in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0104	0.0177	0.0175	0.0187
	ECC	0.0192	0.034	0.0324	0.0334
	EM	0.0194	0.0317	0.0333	0.0359
	EMS	0.0179	0.0305	0.0306	0.0319
	FIRE	0.0157	0.0268	0.0263	0.0288
	LE	0.0172	0.0321	0.0296	0.0281
No	ALL	0.0104	0.0177	0.0175	0.0187
	ECC	0.0192	0.034	0.0324	0.0334
	EM	0.0194	0.0317	0.0333	0.0359
	EMS	0.0179	0.0305	0.0306	0.0319
	FIRE	0.0157	0.0268	0.0263	0.0288
	LE	0.0172	0.0321	0.0296	0.0281

Q40) Select the responses that characterize the technology systems your organization uses, regardless of whether the systems are owned, shared, or subscription-based: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Land Mobile Radio (LMR) system (Q40.a)	ALL	0.0089	0.0149	0.0144	0.0169
	ECC	0.0165	0.0301	0.028	0.0273
	EM	0.0161	0.0264	0.0269	0.0308
	EMS	0.015	0.0259	0.0245	0.0277
	FIRE	0.0132	0.0224	0.0215	0.0251
	LE	0.016	0.0284	0.0264	0.028
4G/Long-Term Evolution (LTE) system (Q40.b)	ALL	0.0102	0.0169	0.0171	0.0188
	ECC	0.0197	0.0343	0.0334	0.0342
	EM	0.0192	0.0315	0.0332	0.0351
	EMS	0.0175	0.0286	0.0298	0.0317
	FIRE	0.0149	0.0242	0.0248	0.0284
	LE	0.0176	0.0319	0.0297	0.0298
5G system (Q40.c)	ALL	0.0101	0.0155	0.017	0.0189
	ECC	0.0194	0.0322	0.033	0.0343
	EM	0.0192	0.0297	0.0332	0.0346
	EMS	0.0171	0.026	0.0293	0.0317
	FIRE	0.0147	0.0215	0.0243	0.0286
	LE	0.0177	0.0307	0.0295	0.0299
Satellite system (Q40.d)	ALL	0.0069	0.0099	0.0114	0.0147
	ECC	0.0156	0.0249	0.0261	0.0296
	EM	0.0158	0.0223	0.0279	0.0321
	EMS	0.0108	0.0137	0.0197	0.0215
	FIRE	0.0088	0.0115	0.0146	0.0193
	LE	0.012	0.0184	0.0166	0.0244
High-Frequency (HF) Radio (Auxiliary Communications [AUXCOMM]/SHARED RESOURCES [SHARES]/FEMA National Radio System [FNARS]) (Q40.e)	ALL	0.0084	0.0141	0.0141	0.0159
	ECC	0.0169	0.0297	0.028	0.03
	EM	0.0181	0.029	0.0312	0.0342
	EMS	0.0137	0.0242	0.0233	0.0233
	FIRE	0.0115	0.0192	0.0192	0.0215
	LE	0.0147	0.0277	0.0242	0.0247
Paging system (Q40.f)	ALL	0.0102	0.0167	0.0172	0.0188
	ECC	0.0187	0.0284	0.0317	0.0342
	EM	0.0191	0.0309	0.0328	0.0356
	EMS	0.017	0.0271	0.0279	0.0317
	FIRE	0.0147	0.0232	0.0242	0.0284
	LE	0.0174	0.0332	0.0291	0.0281
WiFi (Q40.g)	ALL	0.0097	0.0173	0.0161	0.0163
	ECC	0.0167	0.0306	0.0293	0.0265
	EM	0.0162	0.0289	0.026	0.0275
	EMS	0.017	0.0305	0.0288	0.0277
	FIRE	0.0155	0.0267	0.0258	0.0265
	LE	0.0154	0.0307	0.0258	0.0237

Legacy cellular system (2nd Generation/3rd Generation) (Q40.h)	ALL	0.0057	0.0098	0.0095	0.0106
	ECC	0.013	0.0243	0.0214	0.0217
	EM	0.0111	0.0181	0.0184	0.0215
	EMS	0.0094	0.0155	0.0183	0.0146
	FIRE	0.0077	0.0121	0.0137	0.0138
	LE	0.0101	0.0196	0.0163	0.0168
Wireline/landline (e.g., fiber, copper, cable, optical) (Q40.i)	ALL	0.01	0.0174	0.0169	0.0175
	ECC	0.0137	0.0249	0.0234	0.0228
	EM	0.0167	0.0286	0.0273	0.0308
	EMS	0.0177	0.0306	0.0299	0.0297
	FIRE	0.0156	0.0263	0.0259	0.0272
	LE	0.0164	0.0316	0.0275	0.0267
Microwave backhaul (Q40.j)	ALL	0.0086	0.0126	0.0149	0.0168
	ECC	0.0195	0.0316	0.0334	0.0343
	EM	0.0175	0.0243	0.0313	0.0347
	EMS	0.0138	0.0176	0.0244	0.0278
	FIRE	0.0116	0.0148	0.02	0.0245
	LE	0.0154	0.0234	0.0273	0.0269
911 telephony (e.g., basic, enhanced, Next Generation 911 [NG911]) (Q40.k)	ALL	0.0095	0.0166	0.0161	0.0167
	ECC	0.0108	0.0203	0.0186	0.017
	EM	0.0167	0.0277	0.0288	0.0301
	EMS	0.0169	0.0299	0.0286	0.0288
	FIRE	0.0149	0.0261	0.0253	0.025
	LE	0.0159	0.0301	0.0276	0.0249
Ad-hoc networks (e.g., wireless mesh network, MANET, personal area networks, wide-area networks) (Q40.l)	ALL	0.0069	0.0088	0.0113	0.0152
	ECC	0.0156	0.0236	0.024	0.0316
	EM	0.0146	0.0185	0.0248	0.0323
	EMS	0.0113	0.0128	0.0174	0.0258
	FIRE	0.0092	0.0101	0.0137	0.0223
	LE	0.0129	0.0165	0.0214	0.0253

Q40a01) The primary LMR system used by my organization is: (SATA) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Used for voice (Q40a01.a)	ALL	0.002	0.0043	0.0031	0.002
	ECC	0.002	NR	0.0058	NR
	EM	0.0033	0.0052	0.0079	NR
	EMS	0.0023	0.0049	0.0046	NR
	FIRE	0.0026	0.0052	0.0049	NR
	LE	0.0053	0.0141	0.007	0.0054
Used for video (Q40a01.b)	ALL	0.0038	0.0062	0.0055	0.0081
	ECC	0.0066	0.011	0.01	0.0131
	EM	0.0085	0.0102	0.0155	0.0191
	EMS	0.0065	0.0118	0.0102	0.012
	FIRE	0.0052	0.0082	0.0069	0.0125
	LE	0.0089	0.0162	0.0119	0.0181
Used for data (Q40a01.c)	ALL	0.0079	0.0129	0.0126	0.0161
	ECC	0.0161	0.0268	0.0277	0.0288
	EM	0.0155	0.0236	0.0251	0.033
	EMS	0.0138	0.023	0.0224	0.0266
	FIRE	0.0114	0.0183	0.0173	0.0244
	LE	0.0158	0.0302	0.0254	0.0271
Used for voice interoperability (Q40a01.d)	ALL	0.0119	0.0198	0.0197	0.0222
	ECC	0.0217	0.0399	0.036	0.0362
	EM	0.0216	0.0359	0.0368	0.037
	EMS	0.0203	0.0339	0.0339	0.0364
	FIRE	0.0179	0.0297	0.0295	0.0334
	LE	0.0212	0.037	0.0352	0.0365
Used for data interoperability (Q40a01.e)	ALL	0.0052	0.0081	0.0082	0.0114
	ECC	0.0119	0.0229	0.0202	0.0191
	EM	0.0116	0.0159	0.018	0.0276
	EMS	0.01	0.0177	0.0128	0.0215
	FIRE	0.0078	0.0126	0.0098	0.0187
	LE	0.011	0.0203	0.016	0.0212

Q40a02) The primary LMR system used by my organization supports: (SATA) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Day-to-day situations with intervention (Q40a02.a)	ALL	0.012	0.0203	0.0197	0.0223
	ECC	0.0221	0.0396	0.0375	0.0379
	EM	0.022	0.0361	0.0372	0.0418
	EMS	0.0203	0.035	0.0338	0.0362
	FIRE	0.018	0.0307	0.0297	0.0333
	LE	0.0213	0.0384	0.0354	0.0368
Day-to-day situations without intervention (Q40a02.b)	ALL	0.0115	0.02	0.0189	0.0208
	ECC	0.0204	0.0365	0.0351	0.0346
	EM	0.021	0.0352	0.0354	0.038
	EMS	0.0198	0.0348	0.0336	0.0327
	FIRE	0.0175	0.0302	0.0292	0.0311
	LE	0.0205	0.0383	0.0334	0.0346
Out-of-the-ordinary situations with intervention (Q40a02.c)	ALL	0.0116	0.0197	0.0191	0.0219
	ECC	0.0222	0.0399	0.038	0.0375
	EM	0.0219	0.0355	0.0369	0.0419
	EMS	0.0194	0.0326	0.0322	0.0362
	FIRE	0.017	0.0285	0.0274	0.0326
	LE	0.0208	0.037	0.0349	0.0362
Out-of-the-ordinary situations without intervention (Q40a02.d)	ALL	0.0117	0.0189	0.0193	0.0223
	ECC	0.0225	0.0395	0.0383	0.0385
	EM	0.0219	0.035	0.0371	0.042
	EMS	0.0196	0.0314	0.032	0.037
	FIRE	0.0172	0.0281	0.0272	0.0334
	LE	0.0211	0.036	0.0353	0.0368

Q40a03) The primary LMR system used by my organization is: (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Independently owned and operated (e.g., single jurisdiction system) and used exclusively by our organization	ALL	0.0093	0.0154	0.0153	0.0179
	ECC	0.0174	0.0279	0.03	0.0318
	EM	0.0178	0.0277	0.0307	0.0349
	EMS	0.0163	0.0276	0.0274	0.03
	FIRE	0.0137	0.0226	0.023	0.026
	LE	0.0174	0.0292	0.028	0.0327
Part of a communication system that serves multiple public safety and/or public service organizations in our jurisdiction	ALL	0.0119	0.0202	0.0194	0.022
	ECC	0.0219	0.04	0.0357	0.0374
	EM	0.0217	0.0359	0.0364	0.0404
	EMS	0.0202	0.0351	0.0335	0.0364
	FIRE	0.0179	0.0305	0.0294	0.0328
	LE	0.0209	0.0383	0.0346	0.0355
Part of a multi-jurisdictional shared system	ALL	0.0091	0.0129	0.0154	0.0191
	ECC	0.0163	0.0196	0.0285	0.0324
	EM	0.0161	0.0233	0.0277	0.0336
	EMS	0.0152	0.0235	0.0248	0.0306
	FIRE	0.0139	0.0206	0.0225	0.0292
	LE	0.017	0.0262	0.0293	0.0313
Part of a statewide shared system	ALL	0.0094	0.016	0.0162	0.0163
	ECC	0.0197	0.0365	0.0352	0.0297
	EM	0.0183	0.0302	0.0313	0.0336
	EMS	0.0161	0.0271	0.0281	0.0284
	FIRE	0.0135	0.0222	0.023	0.0253
	LE	0.0156	0.0292	0.0269	0.0249
A commercial, subscription-based service	ALL	0.0026	0.0051	0.0044	0.0035
	ECC	0.0045	0.011	0.0058	0.006
	EM	0.0043	0.0073	0.0097	NR
	EMS	0.0041	0.0085	0.0065	0.0055
	FIRE	0.0031	0.0064	0.006	NR
	LE	0.0048	0.0116	0.007	0.0055

Q40a04) The primary LMR system used by my organization is: (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
0 - 1 year old	ALL	0.0062	0.0102	0.0107	0.0112
	ECC	0.012	0.0187	0.0226	0.02
	EM	0.0108	0.0173	0.0181	0.0209
	EMS	0.0108	0.0187	0.0169	0.0206
	FIRE	0.0087	0.0151	0.0133	0.017
	LE	0.0124	0.0223	0.0223	0.0196
2 - 5 years old	ALL	0.0117	0.0202	0.0188	0.0223
	ECC	0.0213	0.0389	0.0346	0.0373
	EM	0.0211	0.0355	0.0348	0.04
	EMS	0.0201	0.0367	0.0327	0.0349
	FIRE	0.0173	0.0291	0.0292	0.0319
	LE	0.0221	0.0413	0.0354	0.0387
6 - 10 years old	ALL	0.0113	0.0184	0.0184	0.022
	ECC	0.0206	0.0359	0.034	0.0368
	EM	0.0205	0.0306	0.0357	0.0407
	EMS	0.0192	0.0317	0.0301	0.0375
	FIRE	0.0172	0.0295	0.0259	0.034
	LE	0.0197	0.0361	0.032	0.0344
Over 10 years old	ALL	0.0129	0.0223	0.0215	0.0232
	ECC	0.023	0.042	0.0392	0.0381
	EM	0.0239	0.0396	0.0403	0.044
	EMS	0.022	0.0383	0.037	0.0384
	FIRE	0.0197	0.0341	0.0327	0.0349
	LE	0.0227	0.0427	0.038	0.0374

Q40a05) The primary LMR system used by my organization is planned to be replaced or significantly upgraded:
 (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Within 1 year	ALL	0.015	0.0265	0.0254	0.0261
	ECC	0.0257	0.0484	0.0433	0.0424
	EM	0.0259	0.0438	0.0456	0.0443
	EMS	0.0237	0.0457	0.04	0.0366
	FIRE	0.0224	0.0433	0.0369	0.0353
	LE	0.0271	0.0508	0.0464	0.044
Within 5 years	ALL	0.0171	0.0306	0.0283	0.0302
	ECC	0.0285	0.0547	0.0496	0.0441
	EM	0.0298	0.052	0.0496	0.0534
	EMS	0.03	0.0548	0.0486	0.0528
	FIRE	0.0267	0.0491	0.043	0.0474
	LE	0.0303	0.06	0.0517	0.0472
Within 6 - 10 years	ALL	0.0132	0.0233	0.0208	0.0248
	ECC	0.0207	0.0422	0.0325	0.0336
	EM	0.0227	0.0363	0.0373	0.0443
	EMS	0.0222	0.0376	0.0339	0.0439
	FIRE	0.0212	0.0316	0.033	0.0434
	LE	0.024	0.0497	0.0363	0.04
In more than 10 years	ALL	0.0125	0.022	0.021	0.0223
	ECC	0.0224	0.0324	0.0392	0.0401
	EM	0.0219	0.0385	0.0354	0.0402
	EMS	0.0232	0.0448	0.0329	0.0439
	FIRE	0.02	0.0366	0.0324	0.0353
	LE	0.0208	0.0339	0.0375	0.0344

Q40a06) Select the response that best characterizes the network architecture of your organization's primary LMR system: (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Conventional (not trunked)	ALL	0.0115	0.0203	0.0186	0.0188
	ECC	0.0202	0.0393	0.0331	0.0313
	EM	0.0209	0.0357	0.0356	0.0336
	EMS	0.02	0.0353	0.0331	0.0323
	FIRE	0.0177	0.0304	0.0293	0.0277
	LE	0.0195	0.0382	0.0311	0.0304
Trunked	ALL	0.0112	0.0166	0.0189	0.0223
	ECC	0.0221	0.0377	0.0378	0.0383
	EM	0.0207	0.0307	0.0358	0.0412
	EMS	0.0188	0.0275	0.0318	0.0367
	FIRE	0.0163	0.0242	0.027	0.0329
	LE	0.0204	0.0331	0.0346	0.0365
Both	ALL	0.0112	0.0187	0.0183	0.0214
	ECC	0.0208	0.0364	0.0349	0.0368
	EM	0.0208	0.0338	0.0345	0.0407
	EMS	0.0189	0.0321	0.0309	0.0353
	FIRE	0.0166	0.0263	0.0271	0.0327
	LE	0.0202	0.0362	0.0329	0.0359

Q40a07) Does your organization's primary LMR system comply with Project 25 (P25) standards (i.e., a P25-compliant system)? (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Yes, Phase 1 (frequency division multiple access [FDMA] only) system	ALL	0.017	0.0362	0.0274	0.0268
	ECC	0.0258	0.0481	0.04	0.0449
	EM	0.0283	0.0561	0.045	0.047
	EMS	0.0308	0.0749	0.0518	0.0439
	FIRE	0.0281	0.0638	0.0473	0.0402
	LE	0.0292	0.0711	0.049	0.041
Yes, Phase 2 (time division multiple access [TDMA] only) system	ALL	0.0107	0.0131	0.0187	0.0192
	ECC	0.0183	0.0281	0.0335	0.0286
	EM	0.018	0.0246	0.032	0.033
	EMS	0.0208	0.0329	0.037	0.0325
	FIRE	0.0183	0.0228	0.0312	0.0313
	LE	0.0189	NR	0.036	0.0291
Yes, both Phase 1 and 2 (FDMA and TDMA)	ALL	0.0188	0.0386	0.0305	0.0305
	ECC	0.0304	0.0622	0.0488	0.0495
	EM	0.0318	0.0602	0.0522	0.0536
	EMS	0.0335	0.0771	0.0557	0.0495
	FIRE	0.0299	0.0625	0.051	0.0452
	LE	0.0334	0.0762	0.0539	0.0499
No	ALL	0.0112	0.026	0.0181	0.0166
	ECC	0.0183	0.0461	0.0302	0.0237
	EM	0.0187	0.0405	0.0285	0.0295
	EMS	0.0178	0.0453	0.0335	0.0218
	FIRE	0.0158	0.0408	0.0265	0.0211
	LE	0.0194	0.0463	0.0313	0.0291

Q40a08) Is the primary LMR system used by your organization interoperable with the 4G/long-term evolution (LTE) system used by your organization? (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Yes	ALL	0.0127	0.021	0.021	0.024
	ECC	0.024	0.0423	0.0412	0.0412
	EM	0.0236	0.0383	0.0399	0.0445
	EMS	0.0214	0.0361	0.0356	0.0395
	FIRE	0.0188	0.0319	0.0305	0.0356
	LE	0.023	0.0417	0.0378	0.04
No	ALL	0.0127	0.021	0.021	0.024
	ECC	0.024	0.0423	0.0412	0.0412
	EM	0.0236	0.0383	0.0399	0.0445
	EMS	0.0214	0.0361	0.0356	0.0395
	FIRE	0.0188	0.0319	0.0305	0.0356
	LE	0.023	0.0417	0.0378	0.04

Q40a09) My organization's LTE/LMR system interoperability is enabled by: (SOR) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40 and "Yes" on Q40a08.

Answer Option	Discipline	All	Rural	Urban	Metro
P25 standards-based Inter-RF Subsystem Interface (ISSI)/Console Subsystem Interface (CSSI)	ALL	0.0233	0.0445	0.0378	0.0394
	ECC	0.0379	0.0833	0.0581	0.0579
	EM	0.0414	0.0795	0.0647	0.0711
	EMS	0.0426	0.08	0.0648	0.0775
	FIRE	0.0372	0.0751	0.0548	0.0678
	LE	0.0372	0.0661	0.0581	0.064
Application-based solution	ALL	0.0199	0.0375	0.0339	0.0321
	ECC	0.0326	0.0757	0.0517	0.0468
	EM	0.0375	0.069	0.0647	0.0619
	EMS	0.0374	0.0733	0.0566	0.0671
	FIRE	0.0319	0.0602	0.0491	0.0575
	LE	0.0278	0.0531	0.0517	0.0409
Proprietary interworking function	ALL	0.0143	0.0294	0.0194	0.0263
	ECC	0.0237	0.0552	0.0314	0.0381
	EM	0.0213	0.0515	NR	0.0407
	EMS	0.0252	0.0392	0.0424	0.0415
	FIRE	0.0212	0.0531	0.0248	0.0397
	LE	0.026	0.0441	0.0225	0.0525
Interworking Function (IWF)	ALL	0.0057	NR	0.0105	0.0112
	ECC	0.0075	NR	NR	0.0177
	EM	0.0089	NR	NR	0.0241
	EMS	0.0092	NR	NR	0.0298
	FIRE	0.0109	NR	0.0177	0.0235
	LE	0.0135	NR	0.0225	0.0267

Q40a10) Select the responses that best characterize the current state of your organization's LMR encryption capabilities: (SATA) Note: quantities are proportions of local respondents that selected "Land Mobile Radio (LMR) system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Proprietary/non-standard	ALL	0.0151	0.0271	0.0242	0.0271
	ECC	0.0252	0.0481	0.0403	0.0428
	EM	0.0267	0.0446	0.0442	0.0501
	EMS	0.0257	0.0523	0.0426	0.0406
	FIRE	0.0229	0.0414	0.0389	0.0389
	LE	0.0279	0.0576	0.0422	0.0465
Proprietary/non-standard transitioning to advanced encryption standard (AES)	ALL	0.0113	0.0202	0.0173	0.0212
	ECC	0.0201	0.0397	0.0287	0.0357
	EM	0.021	0.0348	0.0356	0.0389
	EMS	0.0192	0.0362	0.0333	0.0302
	FIRE	0.016	0.0265	0.0272	0.0293
	LE	0.0235	0.0506	0.0327	0.0403
Data encryption standard (DES) (including all derivatives)	ALL	0.0122	0.019	0.0203	0.0233
	ECC	0.0235	0.043	0.0403	0.0393
	EM	0.0221	0.0296	0.0394	0.0449
	EMS	0.0206	0.0302	0.0342	0.0381
	FIRE	0.0175	0.0201	0.0288	0.0371
	LE	0.025	0.0459	0.0422	0.0415
DES transitioning to AES	ALL	0.0075	0.0091	0.0131	0.0155
	ECC	0.0146	0.0208	0.0252	0.0272
	EM	0.0146	0.0132	0.0284	0.0313
	EMS	0.0138	0.0127	0.0246	0.0266
	FIRE	0.011	NR	0.0205	0.0244
	LE	0.017	0.0196	0.0292	0.0316
AES	ALL	0.0149	0.022	0.0253	0.0282
	ECC	0.0271	0.0461	0.0462	0.0454
	EM	0.0268	0.0356	0.0475	0.0517
	EMS	0.0257	0.0362	0.0422	0.0467
	FIRE	0.022	0.0286	0.036	0.0437
	LE	0.0287	0.0484	0.0478	0.0481
AES actively expanding the number of encrypted talkgroups and/or channels	ALL	0.0111	0.0157	0.0183	0.0224
	ECC	0.0213	0.0332	0.0349	0.0393
	EM	0.0199	0.0241	0.0365	0.0409
	EMS	0.0187	0.025	0.0333	0.0333
	FIRE	0.0157	0.0201	0.0272	0.0316
	LE	0.0226	0.0395	0.0366	0.0397
Link layer authentication (LLA) (<u>Applies to Trunked Systems Only</u>)	ALL	0.0076	0.0113	0.0134	0.0142
	ECC	0.0143	0.0208	0.0252	0.0261
	EM	0.0132	0.0224	0.0224	0.0239
	EMS	0.0138	0.0277	0.0177	0.0266
	FIRE	0.0121	0.0184	0.0179	0.0255
	LE	0.0153	0.0239	0.0292	0.0239

Over-the-air rekeying (OTAR)	ALL	0.0107	0.0143	0.0181	0.0217
	ECC	0.0203	0.0318	0.0342	0.0368
	EM	0.0194	0.0241	0.0348	0.0409
	EMS	0.018	0.0277	0.0231	0.0374
	FIRE	0.0146	0.0184	0.0179	0.0343
	LE	0.0211	0.033	0.0348	0.0377
Procuring multikey subscriber devices	ALL	0.0098	0.0122	0.014	0.0222
	ECC	0.0204	0.0318	0.0307	0.0393
	EM	0.0172	0.0206	0.0271	0.0399
	EMS	0.0177	0.0344	0.0154	0.0374
	FIRE	0.0149	0.023	0.0128	0.0355
	LE	0.0215	0.0375	0.0248	0.0425
None	ALL	0.0159	0.0294	0.0262	0.0252
	ECC	0.0238	0.0492	0.0408	0.0331
	EM	0.0266	0.0486	0.0428	0.0378
	EMS	0.0285	0.0565	0.0466	0.0447
	FIRE	0.0255	0.0455	0.043	0.0397
	LE	0.025	0.0567	0.0397	0.0362

Q40b1) The 4G/LTE system used by my organization is: (SATA) Note: quantities are proportions of local respondents that selected "4G/Long-Term Evolution (LTE)" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Used for voice (Q40b1.a)	ALL	0.0115	0.0191	0.021	0.0188
	ECC	0.0202	0.031	0.039	0.0327
	EM	0.0175	0.0237	0.035	0.0318
	EMS	0.0203	0.0337	0.0379	0.0318
	FIRE	0.0187	0.0292	0.0353	0.0299
	LE	0.0201	0.032	0.0403	0.0273
Used for video (Q40b1.b)	ALL	0.0157	0.028	0.0259	0.0275
	ECC	0.0277	0.0496	0.047	0.0469
	EM	0.0268	0.0449	0.047	0.0476
	EMS	0.0268	0.0493	0.0447	0.0447
	FIRE	0.0251	0.0451	0.0422	0.0424
	LE	0.0275	0.0538	0.0454	0.0446
Used for data (Q40b1.c)	ALL	0.0133	0.0261	0.0212	0.0222
	ECC	0.0243	0.0491	0.0417	0.036
	EM	0.0204	0.0385	0.0324	0.0327
	EMS	0.0231	0.0472	0.0366	0.0376
	FIRE	0.0226	0.0466	0.0358	0.0365
	LE	0.0235	0.0517	0.0342	0.0382
Used for voice interoperability (Q40b1.d)	ALL	0.0148	0.0276	0.0234	0.0261
	ECC	0.0273	0.0528	0.0448	0.0447
	EM	0.0259	0.0433	0.0456	0.0459
	EMS	0.0252	0.048	0.0428	0.0411
	FIRE	0.0229	0.0415	0.0372	0.0397
	LE	0.0258	0.0538	0.0412	0.0414
Used for data interoperability (Q40b1.e)	ALL	0.0144	0.0247	0.0237	0.0261
	ECC	0.0262	0.0479	0.0443	0.0441
	EM	0.0254	0.0398	0.046	0.0456
	EMS	0.0234	0.0418	0.0401	0.0391
	FIRE	0.0216	0.0364	0.0353	0.0384
	LE	0.0253	0.0472	0.0428	0.0414

Q40b2) The 4G/LTE system used by my organization is: (SOR) Note: quantities are proportions of local respondents that selected "4G/Long-Term Evolution (LTE)" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Independently owned and operated (e.g., single jurisdiction system) and used exclusively by our organization	ALL	0.0114	0.0196	0.0175	0.0218
	ECC	0.0188	0.0313	0.0313	0.0336
	EM	0.0173	0.0259	0.0286	0.035
	EMS	0.0206	0.0368	0.0307	0.0376
	FIRE	0.0178	0.02	0.0296	0.0346
	LE	0.0209	0.0335	0.0331	0.0375
Part of a communications system that serves multiple public safety and/or public service organizations in our jurisdiction	ALL	0.0119	0.0234	0.0185	0.0202
	ECC	0.0198	0.036	0.0324	0.0345
	EM	0.0195	0.0335	0.0327	0.035
	EMS	0.0206	0.0448	0.0325	0.0318
	FIRE	0.0195	0.0428	0.0296	0.0305
	LE	0.0206	0.0447	0.036	0.0288
Part of a multi-jurisdictional shared system	ALL	0.0072	0.0104	0.0107	0.0154
	ECC	0.0137	0.0198	0.021	0.0274
	EM	0.0107	0.014	0.0155	0.0246
	EMS	0.0126	0.0166	0.0225	0.0228
	FIRE	0.0115	0.0143	0.0169	0.0241
	LE	0.0118	0.0175	0.0207	0.0204
Part of a statewide shared system	ALL	0.0061	0.0129	0.0092	0.0097
	ECC	0.0109	0.0198	0.021	0.0155
	EM	0.0107	0.0161	0.0155	0.0231
	EMS	0.0098	0.0202	0.0172	0.0143
	FIRE	0.0087	0.0174	0.0132	0.0149
	LE	0.0106	0.0244	0.0122	0.019
A commercial, subscription-based service	ALL	0.0158	0.0291	0.0252	0.0278
	ECC	0.0276	0.049	0.0463	0.047
	EM	0.0258	0.0419	0.0433	0.0473
	EMS	0.0275	0.0536	0.0449	0.0454
	FIRE	0.0255	0.0474	0.041	0.0433
	LE	0.0275	0.0541	0.0457	0.0443

Q40c1) The 5G system used by my organization is: (SATA) Note: quantities are proportions of local respondents that selected "5G system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Used for voice (Q40c1.a)	ALL	0.011	0.0228	0.0183	0.0173
	ECC	0.0215	0.0481	0.0321	0.0348
	EM	0.0174	0.0264	0.0305	0.0307
	EMS	0.0186	0.0474	0.0319	0.0242
	FIRE	0.0174	0.0396	0.031	0.0244
	LE	0.0191	0.0374	0.0374	0.0262
Used for video (Q40c1.b)	ALL	0.0166	0.0342	0.0269	0.0267
	ECC	0.0308	0.0642	0.0512	0.0481
	EM	0.0285	0.0548	0.0483	0.046
	EMS	0.029	0.0601	0.0476	0.0456
	FIRE	0.027	0.0605	0.0447	0.0408
	LE	0.0278	0.058	0.0478	0.0416
Used for data (Q40c1.c)	ALL	0.0137	0.0288	0.0224	0.0216
	ECC	0.0254	0.0546	0.0434	0.038
	EM	0.0212	0.0376	0.0369	0.0352
	EMS	0.0245	0.0551	0.0414	0.0362
	FIRE	0.0231	0.0542	0.0386	0.0338
	LE	0.0236	0.0542	0.0359	0.0367
Used for voice interoperability (Q40c1.d)	ALL	0.0157	0.0328	0.0254	0.0252
	ECC	0.0303	0.0628	0.051	0.0471
	EM	0.028	0.0544	0.0479	0.0445
	EMS	0.0274	0.0538	0.0467	0.0427
	FIRE	0.0241	0.0509	0.0395	0.0375
	LE	0.0259	0.0567	0.0431	0.0393
Used for data interoperability (Q40c1.e)	ALL	0.0154	0.031	0.0245	0.0254
	ECC	0.0299	0.0609	0.0493	0.0475
	EM	0.0276	0.0519	0.0472	0.0449
	EMS	0.0263	0.0509	0.0432	0.0424
	FIRE	0.0235	0.0483	0.0376	0.0375
	LE	0.0254	0.0521	0.0426	0.0393

Q40c2) The 5G system used by my organization is: (SOR) Note: quantities are proportions of local respondents that selected "5G system" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Independently owned and operated (e.g., single jurisdiction system) and used exclusively by our organization	ALL	0.0123	0.0261	0.0199	0.0196
	ECC	0.0209	0.0394	0.0318	0.0362
	EM	0.0181	0.0386	0.0294	0.0278
	EMS	0.0217	0.0485	0.0357	0.0328
	FIRE	0.0187	0.0368	0.0343	0.0272
	LE	0.0215	0.0453	0.0348	0.0338
Part of a communications system that serves multiple public safety and/or public service organizations in our jurisdiction	ALL	0.0122	0.0264	0.0193	0.0194
	ECC	0.0233	0.0488	0.0367	0.0377
	EM	0.0187	0.0341	0.0294	0.0331
	EMS	0.0209	0.0485	0.0357	0.0295
	FIRE	0.0189	0.0477	0.0313	0.0265
	LE	0.0217	0.0509	0.0371	0.0311
Part of a multi-jurisdictional shared system	ALL	0.0072	0.0108	0.0102	0.0141
	ECC	0.0125	0.0168	0.0208	0.0222
	EM	0.0106	0.012	0.0131	0.0231
	EMS	0.0119	NR	0.0136	0.0254
	FIRE	0.0117	NR	0.0144	0.0236
	LE	0.0118	0.0253	0.018	0.0191
Part of a statewide shared system	ALL	0.0053	0.0127	0.0078	0.0085
	ECC	0.0107	0.0168	0.0208	0.0159
	EM	0.0079	0.0168	0.0093	0.0145
	EMS	0.0114	0.0312	0.0166	0.0165
	FIRE	0.0093	0.0205	0.0144	0.015
	LE	0.0097	0.0208	0.0157	0.0153
A commercial, subscription-based service	ALL	0.0164	0.0343	0.0262	0.0264
	ECC	0.03	0.0599	0.0489	0.048
	EM	0.0259	0.0498	0.0409	0.0438
	EMS	0.0289	0.0627	0.0473	0.0446
	FIRE	0.0262	0.0567	0.0438	0.0398
	LE	0.0278	0.0609	0.047	0.0416

Q40d1) The HF radio system used by my organization is: (SOR) Note: quantities are proportions of local respondents that selected "High Frequency (HF) radio" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
0 - 1 year old	ALL	0.0122	0.0193	0.025	0.0155
	ECC	0.0158	0.0282	0.029	0.0253
	EM	0.0182	0.0277	0.0387	0.0206
	EMS	0.0171	0.0266	0.0372	NR
	FIRE	0.0168	0.0274	0.0364	NR
	LE	0.0241	0.0428	0.0486	0.0329
2 - 5 years old	ALL	0.0229	0.0401	0.0377	0.0415
	ECC	0.0457	0.0802	0.0844	0.0721
	EM	0.0294	0.0432	0.05	0.0607
	EMS	0.0444	0.0785	0.0644	0.087
	FIRE	0.042	0.0786	0.0664	0.0739
	LE	0.0438	0.0819	0.0739	0.0727
6 - 10 years old	ALL	0.0242	0.0424	0.0397	0.0437
	ECC	0.0406	0.0739	0.0654	0.0699
	EM	0.0362	0.0615	0.0592	0.068
	EMS	0.0439	0.0644	0.073	0.0933
	FIRE	0.0404	0.066	0.0629	0.0802
	LE	0.0406	0.0731	0.0699	0.0678
Over 10 years old	ALL	0.026	0.0466	0.0419	0.047
	ECC	0.0471	0.0817	0.0833	0.0794
	EM	0.0381	0.0638	0.0636	0.0712
	EMS	0.0496	0.0814	0.0822	0.0954
	FIRE	0.0456	0.0828	0.0726	0.0828
	LE	0.0452	0.0868	0.0755	0.0739

Q40d2) The HF radio system used by my organization is planned to be replaced or significantly upgraded:

(SOR) Note: quantities are proportions of local respondents that selected "High Frequency (HF) radio" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Within 1 year	ALL	0.0295	0.0517	0.0441	0.0551
	ECC	0.0507	NR	0.08	0.0986
	EM	0.0411	0.0675	0.0701	0.073
	EMS	0.062	0.0867	0.0925	0.1217
	FIRE	0.0563	0.0798	0.0878	0.1056
	LE	0.0529	0.1323	0.065	0.0949
Within 5 years	ALL	0.0378	0.0751	0.0592	0.063
	ECC	0.0649	0.1383	0.098	0.109
	EM	0.0548	0.0988	0.0901	0.0911
	EMS	0.0715	0.145	0.1159	0.1142
	FIRE	0.0706	0.1443	0.1149	0.1111
	LE	0.0679	0.187	0.098	0.1062
Within 6 - 10 years	ALL	0.0287	0.0478	0.0538	0.0408
	ECC	0.0468	0.1169	0.08	0.0465
	EM	0.0357	0.0564	0.0795	0.0328
	EMS	0.0684	0.1163	0.1159	0.1142
	FIRE	0.0509	0.1076	0.098	0.054
	LE	0.0582	0.1707	0.0933	0.0732
In more than 10 years	ALL	0.0318	0.0608	0.0516	0.0538
	ECC	0.0524	0.1169	0.08	0.0857
	EM	0.0461	0.0761	0.0752	0.0837
	EMS	0.0593	0.145	0.0781	0.0878
	FIRE	0.0641	0.125	0.098	0.1111
	LE	0.0428	0.1323	0.0733	0.0444

Q40e1) The 911 telephony system used by my organization is: (SOR) Note: quantities are proportions of local respondents that selected "911 telephony" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
0 - 1 year old	ALL	0.0081	0.0139	0.0134	0.0148
	ECC	0.0144	0.0265	0.0238	0.0248
	EM	0.0155	0.0282	0.0253	0.0265
	EMS	0.0145	0.0275	0.0227	0.0254
	FIRE	0.0119	0.021	0.0181	0.0224
	LE	0.0148	0.0284	0.025	0.0242
2 - 5 years old	ALL	0.0138	0.0241	0.0233	0.0245
	ECC	0.0213	0.0378	0.036	0.0368
	EM	0.0242	0.0397	0.0408	0.0454
	EMS	0.024	0.043	0.0387	0.043
	FIRE	0.0211	0.0357	0.0372	0.0367
	LE	0.0234	0.0448	0.0399	0.0377
6 - 10 years old	ALL	0.0118	0.0203	0.0194	0.0217
	ECC	0.0185	0.0323	0.0294	0.034
	EM	0.0214	0.0376	0.034	0.0394
	EMS	0.0205	0.038	0.0342	0.0346
	FIRE	0.0185	0.0327	0.0303	0.0328
	LE	0.0193	0.0349	0.0337	0.0316
Over 10 years old	ALL	0.0126	0.0217	0.0216	0.0223
	ECC	0.0149	0.026	0.0254	0.0261
	EM	0.0214	0.0354	0.0371	0.0389
	EMS	0.024	0.0414	0.0416	0.0408
	FIRE	0.0217	0.0366	0.039	0.037
	LE	0.0187	0.0337	0.0323	0.031

Q40e2) The 911 telephony system used by my organization is planned to be replaced or significantly upgraded: (SOR) Note: quantities are proportions of local respondents that selected "911 telephony" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Within 1 year	ALL	0.0169	0.0298	0.0262	0.0308
	ECC	0.0232	0.0408	0.0361	0.0424
	EM	0.0281	0.0497	0.0436	0.0528
	EMS	0.0317	0.0689	0.0476	0.0524
	FIRE	0.0291	0.0605	0.0443	0.047
	LE	0.0286	0.0555	0.0462	0.0456
Within 5 years	ALL	0.0181	0.0319	0.0309	0.0311
	ECC	0.0247	0.0428	0.0424	0.0428
	EM	0.0308	0.0519	0.051	0.057
	EMS	0.0344	0.068	0.0559	0.0556
	FIRE	0.0316	0.0605	0.0538	0.0497
	LE	0.0299	0.058	0.0526	0.0447
Within 6 - 10 years	ALL	0.0133	0.0257	0.0227	0.0202
	ECC	0.018	0.0365	0.0315	0.0225
	EM	0.0214	0.0393	0.0349	0.0366
	EMS	0.0249	0.0576	0.0436	0.0316
	FIRE	0.0221	0.0488	0.0364	0.0328
	LE	0.0211	0.0484	0.0323	0.0315
In more than 10 years	ALL	0.0096	0.0151	0.0175	0.0167
	ECC	0.0117	0.0166	0.0229	0.0203
	EM	0.0184	0.03	0.0338	0.0305
	EMS	0.0203	0.0391	0.0271	0.0385
	FIRE	0.0191	0.0303	0.0317	0.0339
	LE	0.0144	0.0304	0.0269	0.0202

Q40e3) The 911 telephony system used by my organization accepts: (SATA) Note: quantities are proportions of local respondents that selected "911 telephony" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Voice (Q40e3.a)	ALL	0.0022	0.0042	0.0031	0.0039
	ECC	0.0017	NR	NR	0.0051
	EM	0.0035	0.0055	NR	0.0094
	EMS	0.0039	0.0062	NR	0.0099
	FIRE	0.0037	0.0067	NR	0.0089
	LE	0.0043	0.0089	0.0092	0.0046
Texts (Q40e3.b)	ALL	0.0111	0.0201	0.0181	0.019
	ECC	0.0166	0.0315	0.0265	0.0283
	EM	0.0195	0.0333	0.0326	0.0351
	EMS	0.0197	0.0346	0.0338	0.034
	FIRE	0.0176	0.0324	0.0298	0.0289
	LE	0.0183	0.0366	0.0305	0.0289
Video (Q40e3.c)	ALL	0.0087	0.0156	0.0147	0.0151
	ECC	0.0156	0.031	0.0262	0.0232
	EM	0.0164	0.0286	0.0268	0.0296
	EMS	0.0146	0.0281	0.0248	0.0228
	FIRE	0.0129	0.0228	0.0225	0.0218
	LE	0.0152	0.0314	0.0245	0.0239
Other data (Q40e3.d)	ALL	0.0093	0.0157	0.0158	0.0171
	ECC	0.0169	0.0303	0.0287	0.0291
	EM	0.0161	0.0259	0.0291	0.0291
	EMS	0.0165	0.0281	0.0274	0.03
	FIRE	0.0141	0.0228	0.0238	0.0259
	LE	0.0161	0.0292	0.0272	0.0272

Q40e4) Select the response that best characterizes the current state of your organization's 911 architecture:
(SATA) Note: quantities are proportions of local respondents that selected "911 telephony" on Q40.

Answer Option	Discipline	All	Rural	Urban	Metro
Basic (Q40e4.a)	ALL	0.0087	0.0158	0.0145	0.0151
	ECC	0.012	0.0186	0.02	0.0234
	EM	0.0147	0.0243	0.0279	0.0233
	EMS	0.0161	0.0292	0.0266	0.0278
	FIRE	0.0136	0.0259	0.021	0.0236
	LE	0.0153	0.0301	0.0255	0.0246
Transitioning to Enhanced 911 (E911) (Q40e4.b)	ALL	0.0072	0.0135	0.0113	0.0128
	ECC	0.0097	0.0148	0.0137	0.0206
	EM	0.0133	0.0222	0.0213	0.0255
	EMS	0.0128	0.0223	0.0227	0.0212
	FIRE	0.0111	0.0217	0.017	0.019
	LE	0.0126	0.0219	0.0194	0.023
E911 (Q40e4.c)	ALL	0.0126	0.0218	0.0214	0.0222
	ECC	0.0206	0.0363	0.0347	0.0357
	EM	0.0225	0.0358	0.0393	0.0411
	EMS	0.0222	0.0395	0.0375	0.0384
	FIRE	0.0197	0.0347	0.0337	0.0338
	LE	0.0212	0.0403	0.0368	0.0337
Transitioning to Next Generation 911 (NG911) (Q40e4.d)	ALL	0.0119	0.0198	0.0204	0.0217
	ECC	0.0201	0.0352	0.0337	0.0353
	EM	0.0218	0.0351	0.0385	0.04
	EMS	0.0208	0.0355	0.0359	0.0365
	FIRE	0.0182	0.0302	0.0319	0.032
	LE	0.0204	0.0363	0.0352	0.0336
NG911: Emergency Services IP Network (ESInet) ready to receive 911 calls from the originating service providers via a Legacy Network Gateway (Q40e4.e)	ALL	0.0101	0.017	0.0173	0.0182
	ECC	0.0185	0.033	0.0314	0.0319
	EM	0.0186	0.0321	0.033	0.0303
	EMS	0.0168	0.0305	0.0289	0.0278
	FIRE	0.0148	0.0265	0.0252	0.0253
	LE	0.0177	0.0351	0.0285	0.029
NG911: ESInet ready to receive 911 calls in SIP (Session Initiation Protocol) format (Q40e4.f)	ALL	0.0084	0.0142	0.0144	0.0154
	ECC	0.0176	0.0308	0.0298	0.0309
	EM	0.0152	0.0252	0.0247	0.0292
	EMS	0.0137	0.0261	0.0209	0.0243
	FIRE	0.0118	0.0209	0.0189	0.0215
	LE	0.0143	0.0262	0.0247	0.0236
NG911: ESInet ready to receive 911 calls in NG911 format (Q40e4.g)	ALL	0.0094	0.0155	0.0163	0.0173
	ECC	0.0189	0.0322	0.0323	0.0334
	EM	0.0177	0.0297	0.0297	0.0326
	EMS	0.0156	0.0282	0.0233	0.0294
	FIRE	0.0137	0.0233	0.0214	0.0261
	LE	0.0166	0.0291	0.0281	0.0284

Q41) Select the responses that indicate the capabilities your organization currently uses, regardless of whether the systems are owned, shared, or subscription-based: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Datacasting (i.e., broadcast TV-based alerts and warnings) (Q41.a)	ALL	0.0082	0.0124	0.014	0.0161
	ECC	0.0165	0.0275	0.0285	0.0295
	EM	0.0175	0.0264	0.0308	0.0338
	EMS	0.0135	0.0195	0.0243	0.0261
	FIRE	0.0116	0.0177	0.0197	0.023
	LE	0.0142	0.0247	0.0229	0.0254
Internet-of-Things devices (e.g., smart clothing, smart phones, smart watches) (Q41.b)	ALL	0.0097	0.0161	0.0162	0.0183
	ECC	0.019	0.0323	0.0325	0.0337
	EM	0.0187	0.0301	0.0319	0.0358
	EMS	0.0165	0.0269	0.0286	0.0303
	FIRE	0.0143	0.0232	0.0236	0.0278
	LE	0.0171	0.0311	0.0287	0.0291
Unmanned aerial systems (e.g., drones) (Q41.c)	ALL	0.009	0.0133	0.0147	0.0182
	ECC	0.0186	0.0295	0.031	0.0343
	EM	0.0186	0.0285	0.0315	0.0363
	EMS	0.0142	0.0207	0.0227	0.0294
	FIRE	0.0123	0.0175	0.0191	0.0265
	LE	0.0167	0.0268	0.0276	0.0299
Mission critical push-to-talk applications (Q41.d)	ALL	0.0083	0.0127	0.0138	0.0164
	ECC	0.0176	0.029	0.0297	0.0323
	EM	0.0162	0.0228	0.0277	0.0337
	EMS	0.0146	0.0212	0.0257	0.0285
	FIRE	0.0118	0.0173	0.0194	0.0243
	LE	0.015	0.0244	0.0257	0.0265
Cloud computing (Q41.e)	ALL	0.008	0.011	0.0122	0.0175
	ECC	0.016	0.0243	0.0259	0.0314
	EM	0.0159	0.0204	0.0261	0.0349
	EMS	0.0141	0.0186	0.0229	0.0299
	FIRE	0.0117	0.0139	0.0175	0.0268
	LE	0.0152	0.0247	0.0243	0.0282
Artificial intelligence (Q41.f)	ALL	0.0029	0.0039	0.0041	0.0071
	ECC	0.0074	0.0098	0.0122	0.0156
	EM	0.0061	0.0083	0.01	0.0138
	EMS	0.0044	0.0067	0.0054	0.0104
	FIRE	0.0035	0.0052	0.0049	0.0083
	LE	0.0053	0.0065	0.0076	0.0115
Citizens Broadband Radio Service (CBRS)-based system (Q41.i)	ALL	0.0043	0.0067	0.0063	0.0094
	ECC	0.0084	0.0137	0.0113	0.018
	EM	0.0102	0.0141	0.0146	0.0243
	EMS	0.0064	0.0109	0.0092	0.0133
	FIRE	0.0054	0.0098	0.0069	0.0116
	LE	0.0075	0.0135	0.0106	0.0144

Third-party texting/chat applications (Q41.j)	ALL	0.0097	0.0154	0.0163	0.0186
	ECC	0.0197	0.0342	0.0337	0.0345
	EM	0.0188	0.0297	0.0316	0.0363
	EMS	0.0168	0.0263	0.0284	0.0318
	FIRE	0.0145	0.0227	0.0241	0.0281
	LE	0.0166	0.0282	0.0276	0.0293
None of the above (Q41.k)	ALL	0.0092	0.0169	0.0155	0.0148
	ECC	0.0153	0.0283	0.0266	0.0241
	EM	0.0149	0.026	0.0277	0.0209
	EMS	0.0163	0.0305	0.026	0.0265
	FIRE	0.0148	0.0268	0.0251	0.0231
	LE	0.0149	0.0302	0.0252	0.0227

Q42_1) Select the responses that best describe your organization's use of the Integrated Public Alert and Warning System (IPAWS): (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
My organization originates messages using this system (Q42_1.a)	ALL	0.0098	0.0162	0.0166	0.0184
	ECC	0.0201	0.0341	0.0343	0.0356
	EM	0.02	0.0326	0.0341	0.0376
	EMS	0.0155	0.0243	0.0266	0.0294
	FIRE	0.0133	0.0205	0.0219	0.0269
	LE	0.0177	0.0326	0.0299	0.0295
My organization responds to messages on this system originated by another organization (Q42_1.b)	ALL	0.0103	0.0175	0.0175	0.0187
	ECC	0.0191	0.0333	0.0322	0.0337
	EM	0.019	0.0306	0.0332	0.0351
	EMS	0.0181	0.0308	0.0308	0.0323
	FIRE	0.0159	0.0273	0.0265	0.0292
	LE	0.0181	0.0342	0.0303	0.0301
My organization neither originates nor responds to messages using this system (Q42_1.c)	ALL	0.0107	0.0184	0.0177	0.0196
	ECC	0.0198	0.0354	0.0322	0.0354
	EM	0.0178	0.0303	0.0279	0.034
	EMS	0.0187	0.0321	0.0313	0.0337
	FIRE	0.0165	0.0284	0.0273	0.0302
	LE	0.0189	0.0358	0.0315	0.0316

Q42_2) Select the responses that best describe your organization's use of the Emergency Alert System (EAS):
(SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
My organization originates messages using this system (Q42_2.a)	ALL	0.0096	0.016	0.016	0.0181
	ECC	0.0195	0.0335	0.0332	0.0342
	EM	0.0199	0.0326	0.0339	0.0371
	EMS	0.0149	0.0246	0.0252	0.0275
	FIRE	0.0132	0.0216	0.0215	0.026
	LE	0.0175	0.0322	0.0297	0.0291
My organization responds to messages on this system originated by another organization (Q42_2.b)	ALL	0.0107	0.0182	0.0179	0.0196
	ECC	0.0202	0.0355	0.0335	0.0357
	EM	0.0198	0.0327	0.0337	0.037
	EMS	0.0187	0.032	0.0313	0.0338
	FIRE	0.0163	0.0279	0.0268	0.0303
	LE	0.0187	0.0351	0.0314	0.0312
My organization neither originates nor responds to messages using this system (Q42_2.c)	ALL	0.0101	0.0176	0.0169	0.0183
	ECC	0.0187	0.0335	0.0315	0.032
	EM	0.0157	0.0261	0.0253	0.0309
	EMS	0.018	0.0314	0.0301	0.0324
	FIRE	0.0159	0.0276	0.0264	0.0283
	LE	0.0177	0.0332	0.0296	0.0293

Q42_3) Select the responses that best describe your organization's use of the Wireless Emergency Alerts (WEA) system: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
My organization originates messages using this system (Q42_3.a)	ALL	0.0095	0.016	0.0156	0.0177
	ECC	0.0195	0.0338	0.0335	0.0338
	EM	0.02	0.0325	0.0345	0.0374
	EMS	0.0139	0.024	0.0234	0.0252
	FIRE	0.0126	0.0217	0.0201	0.0242
	LE	0.017	0.0323	0.0277	0.0286
My organization responds to messages on this system originated by another organization (Q42_3.b)	ALL	0.0106	0.0179	0.018	0.0194
	ECC	0.0202	0.0347	0.034	0.0359
	EM	0.02	0.0328	0.0341	0.0372
	EMS	0.0184	0.0306	0.0315	0.0333
	FIRE	0.0162	0.0273	0.0269	0.0302
	LE	0.0189	0.0351	0.0317	0.0315
My organization neither originates nor responds to messages using this system (Q42_3.c)	ALL	0.0109	0.0187	0.018	0.0199
	ECC	0.0203	0.036	0.0337	0.0355
	EM	0.0175	0.0292	0.0283	0.0336
	EMS	0.019	0.0326	0.0316	0.0343
	FIRE	0.0167	0.0287	0.0275	0.0308
	LE	0.0191	0.036	0.032	0.0317

Q42_4) Select the responses that best describe your organization's use of the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NWS): (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
My organization originates messages using this system (Q42_4.a)	ALL	0.0066	0.0117	0.0112	0.011
	ECC	0.0137	0.0255	0.0238	0.0217
	EM	0.0147	0.0257	0.0266	0.0218
	EMS	0.009	0.0168	0.0159	0.013
	FIRE	0.0083	0.0138	0.0148	0.014
	LE	0.0117	0.0237	0.0193	0.0186
My organization responds to messages on this system originated by another organization (Q42_4.b)	ALL	0.011	0.0187	0.0183	0.0201
	ECC	0.0208	0.0367	0.035	0.0362
	EM	0.0197	0.0326	0.0331	0.0367
	EMS	0.0189	0.0323	0.0315	0.0341
	FIRE	0.0166	0.0282	0.0272	0.0309
	LE	0.0194	0.0366	0.0325	0.0322
My organization neither originates nor responds to messages using this system (Q42_4.c)	ALL	0.0108	0.0186	0.018	0.0198
	ECC	0.0199	0.035	0.0336	0.0351
	EM	0.0176	0.0288	0.029	0.0341
	EMS	0.0189	0.0325	0.0315	0.034
	FIRE	0.0166	0.0286	0.0273	0.0306
	LE	0.0193	0.0362	0.0324	0.0321

Q42_5) Select the responses that best describe your organization's use of the regional, state, local, tribal, and/or territorial alert, warning, and notification systems (e.g., reverse 911 systems, outdoor sirens, digital signs, short message service/mass email): (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
My organization originates messages using this system (Q42_5.a)	ALL	0.0104	0.0174	0.0173	0.0195
	ECC	0.0205	0.0361	0.0347	0.0357
	EM	0.0202	0.033	0.0345	0.0377
	EMS	0.017	0.0275	0.0287	0.0321
	FIRE	0.0146	0.0232	0.024	0.029
	LE	0.0188	0.035	0.0315	0.0313
My organization responds to messages on this system originated by another organization (Q42_5.b)	ALL	0.0108	0.0182	0.0181	0.0197
	ECC	0.0196	0.0339	0.0331	0.0348
	EM	0.0199	0.032	0.0343	0.0375
	EMS	0.0187	0.032	0.0318	0.0336
	FIRE	0.0164	0.0278	0.0272	0.0305
	LE	0.0187	0.0346	0.0316	0.031
My organization neither originates nor responds to messages using this system (Q42_5.c)	ALL	0.0098	0.0174	0.0164	0.0166
	ECC	0.0169	0.0307	0.0295	0.0275
	EM	0.0157	0.0274	0.0263	0.027
	EMS	0.0176	0.0313	0.0291	0.0303
	FIRE	0.0158	0.0278	0.0261	0.0272
	LE	0.0167	0.0328	0.029	0.0252

Q42_6) Select the responses that best describe your organization's use of sensor-based alert systems (e.g., gunshot detection, flooding, earthquake, hurricane, volcano): (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
My organization originates messages using this system (Q42_6.a)	ALL	0.0058	0.0069	0.0098	0.0128
	ECC	0.0125	0.008	0.0225	0.0271
	EM	0.0118	0.0144	0.0209	0.0262
	EMS	0.0093	0.0138	0.0133	0.0207
	FIRE	0.0082	0.0102	0.0128	0.0195
	LE	0.0112	0.0124	0.0157	0.0239
My organization responds to messages on this system originated by another organization (Q42_6.b)	ALL	0.0091	0.015	0.0151	0.0176
	ECC	0.0162	0.0259	0.0272	0.0305
	EM	0.0181	0.0287	0.0305	0.0354
	EMS	0.0156	0.0258	0.0265	0.0288
	FIRE	0.0138	0.0236	0.0223	0.026
	LE	0.0155	0.0286	0.0252	0.0269
My organization neither originates nor responds to messages using this system (Q42_6.c)	ALL	0.01	0.0159	0.0165	0.0193
	ECC	0.0185	0.0267	0.0319	0.0348
	EM	0.0194	0.0304	0.033	0.0377
	EMS	0.0169	0.028	0.0282	0.0315
	FIRE	0.0149	0.0247	0.0241	0.029
	LE	0.0174	0.0303	0.0279	0.031

Q44) My organization experienced the following emergency communications impacts as a result of the COVID-19 pandemic: (SATA)

Answer Option	Discipline	All	Rural	Urban	Metro
Expanded/implemented remote work and telework options (Q44.a)	ALL	0.0094	0.0143	0.016	0.0182
	ECC	0.0181	0.0268	0.0317	0.0331
	EM	0.0192	0.0308	0.0332	0.0356
	EMS	0.0159	0.0236	0.0274	0.0304
	FIRE	0.0135	0.018	0.0225	0.0274
	LE	0.0162	0.0235	0.0284	0.0288
Expanded or opened backup facilities (Q44.b)	ALL	0.0067	0.0093	0.0108	0.0145
	ECC	0.0157	0.0233	0.0254	0.031
	EM	0.0146	0.0215	0.0254	0.0292
	EMS	0.0107	0.0147	0.0178	0.0223
	FIRE	0.0084	0.0111	0.0138	0.0183
	LE	0.0122	0.018	0.0184	0.024
Established communications redundancy with neighboring jurisdictions (Q44.c)	ALL	0.0064	0.0094	0.0111	0.0126
	ECC	0.0149	0.0217	0.0261	0.0282
	EM	0.0133	0.0203	0.0235	0.0259
	EMS	0.0104	0.0143	0.0193	0.02
	FIRE	0.0084	0.0108	0.0151	0.0171
	LE	0.0115	0.0185	0.0203	0.0203
Created non-emergency lines or hotlines to help divert COVID-19 related call from 911 services (Q44.d)	ALL	0.0067	0.0099	0.0114	0.0136
	ECC	0.0142	0.0204	0.0246	0.0273
	EM	0.016	0.0234	0.0291	0.0306
	EMS	0.011	0.0156	0.0195	0.0218
	FIRE	0.0087	0.0125	0.0147	0.0181
	LE	0.0119	0.0197	0.0193	0.0217
Implemented operational changes based on federal, state, and/or local guidance (Q44.e)	ALL	0.0104	0.0174	0.0174	0.0186
	ECC	0.0192	0.0346	0.0327	0.0315
	EM	0.0193	0.0314	0.0331	0.0351
	EMS	0.0179	0.0296	0.0305	0.0313
	FIRE	0.0155	0.0252	0.0259	0.0285
	LE	0.0179	0.0326	0.0303	0.0294
Drafted new policies and procedures related to pandemic planning and response (Q44.f)	ALL	0.0103	0.0171	0.0174	0.0186
	ECC	0.0194	0.0346	0.0327	0.0333
	EM	0.0193	0.0309	0.0331	0.0351
	EMS	0.0179	0.0299	0.0305	0.0315
	FIRE	0.0155	0.0248	0.0261	0.0284
	LE	0.0179	0.0311	0.0303	0.0295
Updated existing policies and procedures related to pandemic planning and response (Q44.g)	ALL	0.0102	0.0163	0.0172	0.0188
	ECC	0.0197	0.0345	0.0336	0.0335
	EM	0.0193	0.0309	0.0332	0.0349
	EMS	0.0177	0.0292	0.0303	0.0316
	FIRE	0.0151	0.0238	0.0249	0.0285
	LE	0.0175	0.0292	0.0298	0.0297

Diverted funds to cover pandemic-related expenses (e.g., personal protective equipment, cleaning supplies) (Q44.h)	ALL	0.0101	0.0163	0.017	0.0187
	ECC	0.0195	0.0332	0.0334	0.0341
	EM	0.0193	0.0311	0.0332	0.0356
	EMS	0.0176	0.029	0.0301	0.0316
	FIRE	0.0151	0.024	0.0251	0.0284
	LE	0.0174	0.0292	0.0298	0.0296
Adjusted budgets due to decreased funding from state and local revenues (Q44.i)	ALL	0.0086	0.0135	0.0145	0.0167
	ECC	0.0162	0.0259	0.0273	0.0301
	EM	0.0171	0.025	0.0295	0.0343
	EMS	0.0153	0.0242	0.0265	0.0287
	FIRE	0.0129	0.0205	0.0217	0.0246
	LE	0.0148	0.0243	0.0251	0.0262
Delayed systems/network construction, maintenance, and/or upgrade projects (Q44.j)	ALL	0.0089	0.0141	0.0151	0.0168
	ECC	0.0192	0.0324	0.033	0.0336
	EM	0.0179	0.0287	0.0312	0.0336
	EMS	0.0151	0.0249	0.0259	0.0278
	FIRE	0.0124	0.0194	0.0208	0.0241
	LE	0.0153	0.0241	0.0265	0.0271
Established/maintained communications capabilities for alternate care sites (Q44.k)	ALL	0.0055	0.0086	0.0079	0.0121
	ECC	0.0123	0.0204	0.0158	0.0257
	EM	0.0136	0.0206	0.0212	0.0289
	EMS	0.0091	0.0143	0.0126	0.0197
	FIRE	0.0073	0.0115	0.0101	0.0161
	LE	0.0092	0.0149	0.0119	0.0188
Increased cybersecurity posture and promoted cyber hygiene practices (Q44.l)	ALL	0.006	0.0081	0.0106	0.0121
	ECC	0.0137	0.0204	0.0243	0.0255
	EM	0.0131	0.019	0.0229	0.0269
	EMS	0.0092	0.0123	0.016	0.019
	FIRE	0.0076	0.01	0.0138	0.0153
	LE	0.0116	0.0175	0.0201	0.0213
Ceased operations temporarily (Q44.m)	ALL	0.0025	0.0031	0.0043	0.0052
	ECC	0.0049	0.0048	0.009	0.0103
	EM	0.0057	0.007	0.0115	0.0112
	EMS	0.004	0.0054	0.0064	0.0089
	FIRE	0.0036	0.0051	0.0055	0.0079
	LE	0.0055	0.0076	0.0096	0.0104
Experienced staffing below estimated minimum levels (Q44.n)	ALL	0.0101	0.0168	0.017	0.0187
	ECC	0.0196	0.0347	0.0335	0.0338
	EM	0.0188	0.03	0.0326	0.0353
	EMS	0.0176	0.03	0.0303	0.0311
	FIRE	0.015	0.0247	0.0252	0.0277
	LE	0.0177	0.0325	0.0299	0.0297
None of the above (Q44.o)	ALL	0.0085	0.016	0.014	0.0131
	ECC	0.0115	0.0217	0.0201	0.0179
	EM	0.0141	0.027	0.0219	0.022
	EMS	0.014	0.0271	0.0236	0.02
	FIRE	0.0139	0.0259	0.0233	0.021
	LE	0.0141	0.0301	0.0229	0.0205

Q45_1.1) Between 2018 and present, what was your organization's level of improvement in strengthening emergency communications capabilities to achieve operability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Regressed	ALL	0.0046	0.0082	0.0083	0.007
	ECC	0.0083	0.0166	0.0141	0.0123
	EM	0.0071	0.0132	0.0107	0.0124
	EMS	0.0088	0.0156	0.0148	0.0153
	FIRE	0.0075	0.0131	0.0133	0.0124
	LE	0.0075	0.0163	0.0144	0.0079
None	ALL	0.0095	0.0168	0.016	0.0162
	ECC	0.0153	0.0257	0.027	0.0266
	EM	0.0163	0.0292	0.0271	0.0265
	EMS	0.0167	0.0293	0.0295	0.0271
	FIRE	0.0148	0.026	0.0249	0.0253
	LE	0.0158	0.0305	0.0269	0.025
Some	ALL	0.0104	0.0177	0.0175	0.0188
	ECC	0.0197	0.0345	0.0337	0.034
	EM	0.0193	0.0319	0.0329	0.0349
	EMS	0.0179	0.0306	0.0303	0.0318
	FIRE	0.0157	0.0269	0.0262	0.0286
	LE	0.018	0.0334	0.0305	0.0298
Significant	ALL	0.0078	0.0132	0.0129	0.0147
	ECC	0.017	0.0307	0.0292	0.0283
	EM	0.0151	0.0245	0.026	0.0284
	EMS	0.0127	0.0221	0.0203	0.0238
	FIRE	0.0109	0.0187	0.0175	0.0207
	LE	0.0146	0.0268	0.0232	0.0255

Q45_1.2) Between 2018 and present, what was your organization's level of improvement in strengthening emergency communications capabilities to achieve operability in out-of-the-ordinary situations ? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Regressed	ALL	0.0048	0.0086	0.0085	0.0071
	ECC	0.0082	0.0161	0.0147	0.0115
	EM	0.0078	0.0146	0.0131	0.0116
	EMS	0.009	0.0178	0.015	0.0134
	FIRE	0.0079	0.0145	0.0138	0.0122
	LE	0.0081	0.0167	0.0163	0.0088
None	ALL	0.0101	0.0176	0.0171	0.0176
	ECC	0.0171	0.0301	0.029	0.0298
	EM	0.018	0.0307	0.0308	0.0318
	EMS	0.0177	0.0308	0.0304	0.0301
	FIRE	0.0157	0.0273	0.0263	0.0273
	LE	0.0169	0.0326	0.029	0.0264
Some	ALL	0.0105	0.0178	0.0174	0.0191
	ECC	0.0198	0.0345	0.0337	0.0344
	EM	0.0195	0.0322	0.0334	0.0361
	EMS	0.0179	0.0304	0.0301	0.0321
	FIRE	0.0157	0.0268	0.0257	0.0289
	LE	0.0182	0.0335	0.031	0.0301
Significant	ALL	0.0073	0.0117	0.0123	0.0139
	ECC	0.0157	0.0255	0.0283	0.0274
	EM	0.0142	0.021	0.0253	0.028
	EMS	0.0115	0.0188	0.0179	0.0231
	FIRE	0.0099	0.0152	0.0161	0.0203
	LE	0.0137	0.0251	0.0221	0.024

Q45_2.1) Between 2018 and present, what was your organization's level of improvement in strengthening emergency communications capabilities to achieve interoperability in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Regressed	ALL	0.0047	0.0086	0.0085	0.0071
	ECC	0.0081	0.0154	0.0147	0.0114
	EM	0.0075	0.0148	0.0116	0.0114
	EMS	0.0094	0.0174	0.0156	0.0159
	FIRE	0.0077	0.0145	0.0129	0.0125
	LE	0.0079	0.0169	0.0148	0.0093
None	ALL	0.0097	0.0172	0.0163	0.0167
	ECC	0.016	0.0284	0.027	0.0279
	EM	0.017	0.0299	0.0283	0.029
	EMS	0.017	0.0296	0.03	0.0277
	FIRE	0.0151	0.0264	0.0256	0.026
	LE	0.016	0.0314	0.0269	0.0256
Some	ALL	0.0104	0.0176	0.0174	0.0189
	ECC	0.0197	0.0346	0.0337	0.0341
	EM	0.0194	0.0318	0.0332	0.0355
	EMS	0.0179	0.0305	0.0299	0.032
	FIRE	0.0157	0.0267	0.026	0.0288
	LE	0.018	0.0334	0.0305	0.0299
Significant	ALL	0.0076	0.0127	0.0128	0.0142
	ECC	0.0169	0.0297	0.03	0.0279
	EM	0.015	0.0241	0.026	0.0285
	EMS	0.0122	0.0209	0.0192	0.0235
	FIRE	0.0108	0.0183	0.0175	0.0205
	LE	0.0142	0.0254	0.0239	0.0244

Q45_2.2) Between 2018 and present, what was your organization's level of improvement in strengthening emergency communications capabilities to achieve interoperability in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Regressed	ALL	0.0047	0.0082	0.0087	0.0073
	ECC	0.0078	0.0124	0.0153	0.0124
	EM	0.0079	0.0146	0.0132	0.0126
	EMS	0.0094	0.0171	0.0165	0.0146
	FIRE	0.0079	0.0143	0.014	0.0123
	LE	0.0079	0.0156	0.0159	0.0095
None	ALL	0.0103	0.0179	0.0173	0.0179
	ECC	0.0178	0.0317	0.03	0.0305
	EM	0.0185	0.0312	0.0317	0.0326
	EMS	0.0179	0.031	0.0306	0.0306
	FIRE	0.0158	0.0274	0.0264	0.0279
	LE	0.0172	0.0329	0.0295	0.0271
Some	ALL	0.0104	0.0176	0.0174	0.0191
	ECC	0.0198	0.0346	0.0335	0.0344
	EM	0.0195	0.0321	0.0333	0.0362
	EMS	0.0178	0.0304	0.0296	0.0322
	FIRE	0.0156	0.0265	0.0255	0.0289
	LE	0.0182	0.0335	0.031	0.0301
Significant	ALL	0.0071	0.0116	0.012	0.0131
	ECC	0.0155	0.0264	0.0281	0.026
	EM	0.0142	0.0213	0.0249	0.028
	EMS	0.011	0.0178	0.0169	0.0222
	FIRE	0.0097	0.0155	0.0158	0.0194
	LE	0.0132	0.0245	0.0224	0.0221

Q45_3.1) Between 2018 and present, what was your organization's level of improvement in strengthening emergency communications capabilities to achieve continuity in day-to-day situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Regressed	ALL	0.0046	0.0086	0.0083	0.0067
	ECC	0.0079	0.0148	0.0153	0.0104
	EM	0.0075	0.0143	0.0124	0.0113
	EMS	0.009	0.0171	0.0152	0.0138
	FIRE	0.0075	0.0142	0.0131	0.0112
	LE	0.0076	0.0164	0.0144	0.0086
None	ALL	0.0099	0.0173	0.0166	0.0171
	ECC	0.0163	0.0282	0.0276	0.0287
	EM	0.0174	0.0307	0.029	0.0292
	EMS	0.0173	0.0301	0.03	0.029
	FIRE	0.0153	0.0268	0.0259	0.0267
	LE	0.0164	0.0315	0.0277	0.0266
Some	ALL	0.0104	0.0176	0.0174	0.0189
	ECC	0.0197	0.0345	0.0337	0.0342
	EM	0.0193	0.0318	0.0332	0.0348
	EMS	0.0179	0.0303	0.03	0.0319
	FIRE	0.0157	0.0265	0.0258	0.0287
	LE	0.018	0.0334	0.0305	0.0298
Significant	ALL	0.0073	0.0123	0.0124	0.0135
	ECC	0.0162	0.0282	0.0285	0.0274
	EM	0.0138	0.0215	0.0252	0.0251
	EMS	0.0115	0.0196	0.0189	0.0213
	FIRE	0.0103	0.0177	0.0172	0.0188
	LE	0.0137	0.0251	0.0228	0.0233

Q45_3.2) Between 2018 and present, what was your organization's level of improvement in strengthening emergency communications capabilities to achieve continuity in out-of-the-ordinary situations? (SOR)

Answer Option	Discipline	All	Rural	Urban	Metro
Regressed	ALL	0.0049	0.0087	0.0089	0.0072
	ECC	0.0084	0.0148	0.0159	0.0124
	EM	0.0083	0.0146	0.0145	0.0136
	EMS	0.0095	0.0182	0.0172	0.0129
	FIRE	0.0082	0.0151	0.0148	0.0114
	LE	0.0078	0.0156	0.0159	0.0088
None	ALL	0.0103	0.0179	0.0174	0.0182
	ECC	0.0179	0.0322	0.0302	0.0309
	EM	0.0187	0.0318	0.032	0.0329
	EMS	0.018	0.031	0.0306	0.0314
	FIRE	0.0159	0.0275	0.0265	0.0284
	LE	0.0174	0.0333	0.0297	0.028
Some	ALL	0.0104	0.0175	0.0173	0.0191
	ECC	0.0198	0.0346	0.0336	0.0344
	EM	0.0195	0.032	0.0333	0.0361
	EMS	0.0177	0.0302	0.0296	0.0322
	FIRE	0.0156	0.0264	0.0253	0.0289
	LE	0.0182	0.0334	0.031	0.0301
Significant	ALL	0.0067	0.0111	0.0116	0.0124
	ECC	0.0147	0.0239	0.0267	0.0254
	EM	0.013	0.0194	0.0238	0.0248
	EMS	0.0104	0.0171	0.0165	0.0204
	FIRE	0.0089	0.0143	0.0152	0.017
	LE	0.0125	0.0239	0.0205	0.0208