

## **APPENDICES**

## **APPENDIX A**

The questionnaire for this study, a lengthy one indeed, was developed by the researchers at the University Center for Social and Urban Research (University of Pittsburgh) in consultation with appropriate FEMA officials. A copy of the instrument is provided as APPENDIX B hereafter.

The questionnaires (7324 total for this aspect of the inquiry) were mailed to a sample of local and county officials with responsibilities for emergency management preparedness and responses. The accompanying letter requested that the questionnaire, once filled out, be returned to the Research Center at the University.

In all, 2345 responses were returned in the latter part of 1988, representing a response rate of 32 percent. This relatively low rate of response to a mail-out survey is not unusual though it renders generalizability to the national population of respondents in the relevant positions somewhat problematic. Yet, as a study by Pamela Snyder shows, the answers to questions worded identically with those included in the HICA/MYDP 1987 survey are just about exactly the same (lying, as they do, within 1 or 2 percentage points of one another).

To the extent to which FEMA, or other users of the information, may choose to draw nationwide conclusions on the basis of the HICA/MYDP inquiry of 1987, these results would clearly justify using the Pittsburgh study of 1988 in the same vein.

The specific distribution of the mail-out and the returns data are given in Table 1

Table 1

MAIL-OUTS, RETURNS AND RATE OF RESPONSE

<u>Group</u>	<u>Mail-out</u>	<u>Returns</u>	<u>Rate</u>
Local emergency managers	3140	1211	.386
Local EM services directors	498	101	.203
Local fire chiefs	1267	444	.350
Local police chiefs	809	221	.273
County sheriffs	391	75	.192
County health departments	269	100	.372
City managers, chief executives	950	190	.200
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Total	7324	2342*	.320

\* Three additional responses could not be identified by position. Thus total returns are 2345.

There are rather obvious differences in the response rates. Indeed, the officials most directly concerned with overall coordination of emergency preparedness and response activities were most likely to respond - almost 40 percent of them did so. By contrast only about one in five of county sheriffs and of city managers or local chief executives answered the questionnaire.

It would certainly be a mistake to interpret these differences as differences in concern or dedication. Rather, the key lesson to be learned may well be this: the questionnaire itself reflected issues most relevant to the emergency managers as such, and was, in some ways, perhaps less suited to address the kinds of disaster and emergency management issues which face the local chief executives, the county sheriffs or, possibly, others in the broadly conceived emergency management system.

If research of this kind were to be repeated and with similar pattern of inclusions of possible respondents, it would be quite advisable to develop alternative versions of the instrument, even if many items were to be standard across the spectrum of officials, to provide more of a focus for the relevant subgroups in light of their most likely functions in the emergency management system.

Undoubtedly, the length of the questionnaire, too, may account for some nonresponse, though this comes into play, it is fair to surmise, only in the context of the perceived relevancy of the questionnaire to the particular individual.

And since the questionnaires were mailed out by FEMA, it is altogether possible that those officials with less direct, or only tangential, linkages to FEMA (or even no real linkages at all as is the case with local chief executives) may have been slightly less motivated to comply with the request to fill out the lengthy questionnaire.

The study provided for no follow up. Since the confidentiality of responses was assured, it would have been necessary to mail out follow up requests (and yet another copy of the questionnaire) to all respondents, thus even to those who may have already answered it. This proved to be altogether prohibitive in light of the budgetary constraints involved. Such follow ups typically enhance the response rate by yet another 50 or so percent (above the response rate achieved as a result of the initial mailing).

## **APPENDIX B**

### Information Needs Under "Normalcy" Conditions

01. NEED ADVICE ON INVOLVING FEMA IN EXERCISE AND PLANNING ACTIVITIES.
02. LOCATION OF DISABLED PERSONS.
03. PROBABILITY OF DISASTER OCCURRING IN AREA - CHARTS, COMPUTER MODELS, ETC.
04. NEED MODEL PROGRAMS, INFORMATION ON HOW OTHER AGENCIES HAVE RESPONDED TO DISASTERS IN ORDER TO LEARN MISTAKES, IDEAS, ETC.
05. NEED TO KNOW HOW TO GAIN ACCESS TO INFORMATION - I.E., SATELLITE PHOTOGRAPHS.
06. POLICY GUIDELINES FOR ATTACK PREPAREDNESS.
07. HAZARDOUS MATERIALS INFORMATION.
08. RESOURCE LISTS FOR NEEDED RESOURCES.
09. PLANNING AIDS
10. INFORMATION ON WHERE AND HOW TO OBTAIN GRANTS/FUNDING
11. PROSPECTIVE LEGISLATIVE OVERVIEW THAT WILL AFFECT EMERGENCY MANAGEMENT
12. UPDATED INFORMATION - PUBLICATIONS, BULLETINS THAT ARE RELEVANT AND TRUTHFUL.
13. NAWS NEWS RELEASES
14. LACK OF STATE SUPPORT
15. DATABASE INFORMATION
16. SHELTER LISTS/GUIDANCE
17. HOST JURISDICTION DETAILS
18. GENERAL DISASTER INFORMATION (RELATED TO AREA)
19. WARNING SYSTEM FOR DAM HAZARD
20. INFORMATION ON TRAINING EMPLOYEES AND VOLUNTEERS
21. INFORMATION ON OBTAINING INFO FROM THE MILITARY
22. WHAT STATE AND FEDERAL AUTHORITIES WILL DO TO AFFECT MY JURISDICTION
23. COORDINATE FEDERAL POLICIES AND DISTRIBUTE TO LOCALS
24. THE TRUTH
25. UPDATES ON POLITICAL HOTSPOTS
26. FORMAL STATEMENT ON FEMA'S INTENTION AND POSITION ON CRISIS RELOCATION PLANNING.
27. DEFINITE ANSWERS TO STATUS OF FALLOUT PROGRAM
28. FUNDING FROM FEMA

29. WHERE IS FUNDING AVAILABLE
30. SUFFICIENT FUNDS FOR CIVIL DEFENSE
31. TURN FEMA OVER TO MILITARY
32. LONGER RANGE FORECASTING OF AVAILABLE FEDERAL ASSISTANCE
33. BETTER COMMUNICATION WITH STATE FEMA
34. MORE INFO ON SARA TITLE III - REPORTING, STORAGE, USE OF HAZARDOUS MATERIALS
35. HOW CAN CITIES OBTAIN LIABILITY INSURANCE FOR EXERCISES
36. BETTER WEATHER INFO
37. MAPPING, INCLUDING AERIAL MAPS
38. MORE PUBLIC EDUCATION INFO
39. SCHEDULE OF ALL AVAILABLE SEMINARS FOR EMERGENCY PERSONNEL
40. NATIONAL SECURITY CONDITIONS
41. NEED TO BEGIN PUBLIC EDUCATION CAMPAIGN TO ESTABLISH CREDIBILITY
42. PREDICTED FALLOUT PATTERNS FROM NUCLEAR GENERATING FACILITIES
43. NEED PUBLIC EDUCATION PROGRAM ON EMERGENCIES
44. NEED INFO ON BASIC GUIDELINES/PROTOCOLS
45. HOME STUDY COURSES
46. NEED TO KNOW HOW MUCH MONEY IS AVAILABLE
47. WAYS TO FORCE MEDIA TO SHOW PUBLIC SERVICE ADS ON SCHEDULE
48. QUALIFICATIONS FOR DISASTER AID
49. FINDINGS ON ACADEMIC RESEARCH ON DISASTERS
50. BETTER GUIDELINES FOR NUCLEAR PREPARATION/INCLUDING SECURITY PROCEDURES
51. BETTER TRAINING FOR BUILDING COLLAPSE
52. LIST OF SPECIALIZED PERSONNEL/AGENCIES ON NATIONAL LEVEL THAT DEAL WITH DISASTERS
53. MORE INPUT FROM LOCAL LEVEL
54. MORE INFO ON LEGAL ISSUES OF EMERGENCY MANAGEMENT
55. DEFINITE GUIDELINES THAT APPLY TO RURAL AREAS/SMALL JURISDICTION
56. TRANSPORTATION OF RADIOLOGICAL/HAZARDOUS MATERIALS THROUGH JURISDICTION
57. RATIONING PROCEDURES/RESPONSIBILITIES
58. CURRENT CIVIL DEFENSE PLANS FOR NATION
59. NATIONAL 911 NUMBER
60. GEOGRAPHIC BOUNDARIES OF THREAT RESPONSIBILITY
61. CUT OUT RED TAPE
62. UPDATED CENSUS DATA

- 63. MORE INFO ON FILLING OUT REPORT FORMS
- 64. RESOURCES OF SURROUNDING AREAS
- 65. EQUIPMENT TO RECEIVE EENT
- 67. LIST OF AVAILABLE EQUIPMENT/INCL. CONSTRUCTION
- 68. LOCATION OF NUCLEAR FACILITIES AND RESULTING HAZARDS POSED
- 69. EXISTENCE OF MINES IN COUNTRY
- 71. MORE MONEY FOR MITIGATION
- 73. INFO IN SPANISH

Information Needs During a Disaster:

01. REVIEWS OF OTHER EMERGENCY PROGRAMS - THEIR PLANS AND OUTCOMES
02. NEED INFO ON MODEL PROGRAMS TO START OWN PROGRAM - HOW OTHER AGENCIES RESPOND TO DISASTERS
03. LIKELIHOOD OF DISASTERS OCCURRING IN AREA - PROBABILITY CHARTS
04. FEDERAL AND STATE DATA AND INFO SYSTEMS
05. MORE MONEY FROM FEDERAL GOVERNMENT
06. RESOURCE LISTS/LOCAL INCLUDED
07. PLANNING AIDS
08. INFO ON SELF HELP
09. HOW TO GET ELECTED OFFICIALS TO SHOW AN INTEREST
10. HOW TO ELIMINATE ADMINISTRATIVE/PAPERWORK TASKS
11. WHEN THE EMERGENCY/DISASTER WILL OCCUR
12. BETTER COMMUNICATION MANAGEMENT WITH COUNTY EOC
13. COMPUTER/DATABASE INFO
14. HOW TO OBTAIN FUNDS/WRITING GRANT PROPOSALS
15. INFO ON HAZARDOUS MATERIALS
16. INFO ON STAFF FUNCTIONS, RESPONSIBILITIES, AND PROCEDURES
17. INFO ON RADIATION MONITORING
18. INFO ON TRAINING EMPLOYEES AND VOLUNTEERS
19. MORE/UPDATED INFO
20. CURRENT CENSUS DATA
21. MORE ACCURATE AND TIMELY WEATHER INFO
22. PROVIDE MILITARY EQUIPMENT TO STATES
23. INFORMATION FROM OTHER JURISDICTIONS
24. PUBLIC INFO (IN MEDIA) DIRECTED BY FEDERAL AUTHORITIES
25. INFO ON DEALING WITH HANDICAPPED PEOPLE/ELDERLY
26. HOW CITIES CAN OBTAIN LIABILITY INSURANCE
27. NATIONAL WEATHER SERVICE TELETYPE
28. MORE INFO ON TESTING SYSTEMS
29. WHERE TO GO FOR INFORMATION
30. UPDATES ON WORLD POLITICAL SITUATION
31. NEED TRAINING INFO



32. NEED SPECIALIZED INFO
33. BETTER COMMUNICATIONS EQUIPMENT
34. INFO ON LEGISLATION AFFECTING JOBS
35. CLARIFICATION OF NECESSARY REQUIREMENTS TO DECLARE DISASTERS
36. COMPLETE GUIDELINES ON ATTACK PREPAREDNESS
37. CLARIFICATION OF FEMA PLANS
38. NEED INFORMATION ON CLASSES BEING OFFERED
39. WHERE HELP IS AVAILABLE DURING EMERGENCIES/  
SPECIALIZED HELP
40. CROSS REFERENCE TO UN NUMBERS BY CHEMICAL MANUFACTURERS  
USING PRESENT CHEMICAL ABSTRACT NUMBERS
41. EDUCATIONAL VIDEOTAPES FOR PUBLIC EDUCATION/PLANNING AIDS
42. LIST OF SPECIALIZED PERSONNEL/AGENCIES AT NATIONAL LEVEL  
TO DEAL WITH SPECIALIZED DISASTERS
43. NEED QUESTIONS ANSWERED IN A MORE TIMELY MANNER
44. COMPLETE DOT-RGN LISTS FOR SARA CHEMICALS
45. FINDINGS OF ACADEMIC RESEARCH ON DISASTERS
46. ADEQUATE WARNING SYSTEMS
47. COORDINATION OF STATE AND FEDERAL RESOURCES - WHAT AND  
WHERE THEY ARE/COMMUNICATION BETWEEN JURISDICTIONS
48. THE TRUTH FROM INDUSTRY REGARDING HAZ MAT'S
49. MAKE FEMA RESPONSIBLE FOR IMPLEMENTING THEIR DIRECTIVES
50. CLEAR CUT BUDGET AND BUDGET PROJECTION
51. MAKE ALL POSITIONS FULL TIME
52. INFO ON TRANSPORTING HAZARDOUS AND RADIOLOGICAL MATERIALS
53. MAKE EMERGENCY PLANNING POSITIONS MANDATORY AND ADJUST  
PAY SCALE
54. RECOVERY PLANS
55. A SINGLE FEDERAL REPORTING/INFO SOURCE
56. INFO ON PRESS RELEASES DURING EMERGENCIES
57. RATIONING PROCEDURES AND RESPONSIBILITIES
58. NEED TO KNOW HOW TO GET STATE HELP
59. FALLOUT SHELTER SURVEY UPDATE/EVACUATION PLANNING, ALSO SPECIAL  
CIRCUMSTANCES-I.E., MOBILE HOMES, HOSPITALS
60. LONG TERM OBJECTIVES
61. STATE/FEDERAL COORDINATION FOR MASS RELOCATION
62. INFO ON NUCLEAR WEAPONS - OR - FEMA CAPABILITIES

- 63. INFO IN SPANISH
- 64. LIVE RADAR LINK
- 65. EQUIPMENT ROSTERS
- 66. COMMUNICATION LINKS TO ALL EMERGENCY PERSONNEL
- 67. INFO ON MEDICAL ACTION
- 68. INFO ON FOOD DISTRIBUTION - LOCAL/REGIONAL
- 70. LOCATION OF NUCLEAR FACILITIES AND HAZARDS POSED/ALSO SECURITY PROCEDURES

### Information Needs In the Aftermath

01. BETTER GUIDANCE ON DAMAGE ASSESSMENTS
02. WHERE TO GO FOR ANSWERS/WHERE IS HELP AVAILABLE
03. NEED INFORMATION ON SUCCESSFUL PROGRAMS (JUST STARTED PROGRAM)
04. HOW FAST WILL HELP BE OFFERED
05. PLANS AND SHELTER TO STOCK UP ON FOOD AND WATER
06. NEED TO KNOW WHERE TO GET UPDATED INFORMATION
07. INFORMATION ON SELF HELP
08. RESOURCE INFORMATION AND SUPPORT/LOCAL STATE AND NATIONAL
09. CLEARER UNDERSTANDING OF PROTOCOLS
10. INFORMATION REGARDING HAZARDOUS MATERIALS/INCLUDING NUCLEAR
11. RECOVERY/CLEAN UP INFO/WASTE SITES AND COSTS
12. NEWS RELEASES FROM RADIO
13. BETTER PUBLIC NOTIFICATION SYSTEMS
14. MILITARY RESOURCES AT LOCAL BASES FOR EMERGENCIES
15. INFO ON TRAINING AND RETRAINING STAFF
16. GENERAL DISASTER INFO
17. MORE RAPID RESPONSE BY GOVERNMENT
18. FEMA REPRESENTATIVE AT DISASTER
19. NEED INFO ON HOW OTHER AGENCIES RESPOND/MODEL PROGRAMS
20. WHAT FINANCIAL RESOURCES ARE AVAILABLE TO HOME OWNERS/EMERG  
HOUSING
21. CUTTING DOWN ON PAPER WORK
22. SIMPLIFIED REPORTING FORMS AND PROCEDURES
23. HOW CITIES CAN OBTAIN INSURANCE FOR EXERCISES
24. CASE STUDIES
25. MORE ACCURATE INFO ON FISCAL PROGRAMS AND HOW TO APPLY
26. STATUS OF ALL AGENCIES INVOLVED
27. NEED INFO ON COSTS TO LOCALS
28. INFO ON CLEAN UP PROCEDURES
29. INFO ON TRAUMA CARE
30. NEED PUBLIC EDUCATION INFORMATION
31. SINGLE REPORTING/INFORMATION SOURCE
32. INFO ON CLASSES BEING OFFERED
33. LIST OF SPECIALIZED PERSONNEL/AGENCIES AT NATIONAL LEVEL TO DEAL  
WITH SPECIALIZED DISASTERS

34. NEED GUIDELINES FOR USING VOLUNTEERS
35. MORE RESCUE EQUIPMENT
36. THE TRUTH FROM INDUSTRY ABOUT HAZARDOUS MATERIALS
37. AVAILABILITY OF RESCUE TEAMS
38. GOOD CRISIS COUNSELING PROGRAM
39. EVALUATIONS OF EMERGENCY RESPONSE
40. COMPUTERIZATION OF DAMAGE ESTIMATES
41. GENERAL COMPUTER PROGRAMS
42. INFO/COMMUNICATION BETWEEN FEDERAL AND STATE EMERGENCY PREPAREDNESS DEPARTMENTS
43. SPECIFIC INFO ON EMERGENCIES IN PROGRESS
44. AERIAL PHOTOGRAPHS OF AREA
45. SHELTER CAPABILITIES - LOCAL/STATE/NATIONAL
46. INFO ON SAFETY OF AREA AFTER NUCLEAR DISASTER
47. INFO ON LEGAL ISSUES

## **APPENDIX C**

### **QUESTIONNAIRE**

Local Emergency Preparedness:  
A Survey of Capabilities and Attitudes

University Center for Social and Urban Research  
University of Pittsburgh  
Pittsburgh, PA 15260

Supported by  
The Federal Emergency Management Agency  
May, 1988

LOCAL EMERGENCY PREPAREDNESS:  
A SURVEY OF CAPABILITIES AND ATTITUDES  
RESPONSE BOOK FOR LOCAL AND STATE OFFICIALS

Office of Management and Budget approval number 3067-0412 has been assigned to the collection and reporting of information by state and local governments participating in the HICA/MYDA data collection process. This approval number expires September 30, 1990.

UCSUR  
University Center for Social and Urban Research

## GENERAL INSTRUCTIONS

Please note that this questionnaire contains two different types of questions: 1) questions that seek factual information pertaining to the emergency preparedness of your jurisdiction, and 2) questions that ask you for your own personal opinions on various issues. It is important that the factual questions be answered as accurately as possible, so we encourage you to consult with your colleagues on any of these items about which you are unsure. Other questions, to which there are basically no right or wrong answers, ask for your personal opinions only.

Please keep in mind when answering the questions pertaining to the emergency preparedness of your jurisdiction, that "your jurisdiction" refers to the specific geographic area that your responsibility encompasses. We realize that many communities have mutual-aid plans with nearby communities, but unless a question is specifically addressing this aspect of emergency preparedness, you should answer it in terms of your jurisdiction only.

All of your answers will be held in strict confidence and in no way and at no time will you be identified. Of course, we ask you to participate in this study strictly on a voluntary basis. Your cooperation in responding to this survey will enable us to increase our knowledge about emergency response capabilities which may have important policy making implications. In addition we will have a better understanding of the attitudes of emergency responders to the issues of emergency management.

1. How important a goal for emergency management is each of the following?

	Not Important At All					Extremely Important	Don't Know
1a. Providing protection in case of nuclear war	0	1	2	3	4	5	8
1b. Providing information so people can help themselves respond to emergencies	0	1	2	3	4	5	8
1c. Providing protection in case of natural disasters	0	1	2	3	4	5	8
1d. Warning the public of impending danger	0	1	2	3	4	5	8
1e. Providing protection in case of conventional war	0	1	2	3	4	5	8
1f. Evaluating community disaster plans	0	1	2	3	4	5	8
1g. Contributing to the prevention of nuclear war	0	1	2	3	4	5	8
1h. Providing protection in case of technological hazards (such as nuclear power plant accidents or chemical spills)	0	1	2	3	4	5	8
1i. Providing assistance to communities hit by disaster(s)	0	1	2	3	4	5	8

Please indicate for each of the following if the hazard has affected your current jurisdiction once, more than once, or not at all in the past 20 years. For those hazards that have affected your current jurisdiction, please also answer Part B by indicating if you were involved in the disaster response.

	PART A.			PART B	
	1. Occurred Once	2. Occurred More Than Once	0. Didn't Occur	1. Involved in Response	0. Not Involved
2. Avalanche	---	---	---	---	---
3. Agricultural Drought	---	---	---	---	---



	1. Occurred Once	PART A		3. Didn't Occur	PART B	
		2. Occurred More Than Once	0		1. Involved in Response	0. Not Involved
4. Urban Drought	---	---	---	---	---	---
5. Earthquake	---	---	---	---	---	---
6. Flood	---	---	---	---	---	---
7. Flashflood	---	---	---	---	---	---
8. Hurricane/Tropical Storm	---	---	---	---	---	---
9. Landslide	---	---	---	---	---	---
10. Tornado	---	---	---	---	---	---
11. Tsunami	---	---	---	---	---	---
12. Volcano	---	---	---	---	---	---
13. Wildfire	---	---	---	---	---	---
14. Winter Storm	---	---	---	---	---	---
15. Civil Disorder	---	---	---	---	---	---
16. Dam Failure	---	---	---	---	---	---
17. Hazardous Materials Incident - Stationary	---	---	---	---	---	---
18. Hazardous Materials Incident - Highway	---	---	---	---	---	---

		PART A			PART B.	
	1 Occurred Once	2 Occurred More Than Once	0. Didn't Occur	1 Involved in Response	0. Not Involved	
19. Hazardous Materials Incident - Rail Line	---	---	---	---	---	
	---	---	---	---	---	
20. Hazardous Materials Incident - Pipeline	---	---	---	---	---	
	---	---	---	---	---	
21. Hazardous Materials Incident - River	---	---	---	---	---	
	---	---	---	---	---	
22. Radiological Incident - Fixed Facility	---	---	---	---	---	
	---	---	---	---	---	
23. Radiological Incident - Transportation	---	---	---	---	---	
	---	---	---	---	---	
24. Nuclear Facility Incident	---	---	---	---	---	
	---	---	---	---	---	
25. Power Failure	---	---	---	---	---	
	---	---	---	---	---	
26. Subsidence	---	---	---	---	---	
	---	---	---	---	---	
27. Mine Cave-In, Fire, or Explosion	---	---	---	---	---	
	---	---	---	---	---	
28. Air Transportation Accident	---	---	---	---	---	
	---	---	---	---	---	
29. Railway Transportation Accident	---	---	---	---	---	
	---	---	---	---	---	
30. Urban Fire	---	---	---	---	---	
	---	---	---	---	---	

Other - Please specify the hazard type, indicate if it occurred once or more than once in the past 20 years, and whether or not you were involved.

	PART A			PART B	
	1 Occurred Once	2 Occurred More Than Once	0 Didn't Occur	1. Involved in Response	0. Not Involved
31. _____	---	---	---	---	---
32. _____	---	---	---	---	---
33. _____	---	---	---	---	---

34. Approximately how many years has it been since the last disaster event took place in your jurisdiction?

- \_\_\_\_\_ 1. Within the last year
- \_\_\_\_\_ 2. Between 1 and 2 years ago
- \_\_\_\_\_ 3. Between 2 and 4 years ago
- \_\_\_\_\_ 4. Between 4 and 6 years ago
- \_\_\_\_\_ 5. Between 6 and 10 years ago
- \_\_\_\_\_ 6. More than 10 years ago

35. Which of the following emergency management-related problems has your jurisdiction experienced? (Mark all that apply.)

- \_\_\_\_\_ 1. Problems with the media
- \_\_\_\_\_ 2. Problems with volunteers
- \_\_\_\_\_ 3. Lack of personnel (in numbers or in critical skills)
- \_\_\_\_\_ 4. Lack of equipment
- \_\_\_\_\_ 5. Lack of critical information
- \_\_\_\_\_ 6. Warning system failures or limitations
- \_\_\_\_\_ 7. Public failure to respond properly to warning
- \_\_\_\_\_ 8. Lack of shelters
- \_\_\_\_\_ 9. Lack of temporary housing
- \_\_\_\_\_ 10. Lack of emergency finances
- \_\_\_\_\_ 11. Public utilities knocked out
- \_\_\_\_\_ 12. Calls from public jammed communications links
- \_\_\_\_\_ 13. Coordination breakdown
- \_\_\_\_\_ 14. Communications links not available
- \_\_\_\_\_ 15. Problems in identifying who's in charge

Please indicate if each of the following hazards could potentially affect your jurisdiction. For those hazards that could potentially affect your jurisdiction, answer part B by indicating if the hazard poses a significant threat or not. The following four factors should be considered in determining if a hazard is significant:

- \* Historically, the hazard has affected the jurisdiction.
- \* Loss of life or property could result.
- \* The local emergency management organization would be involved if the event occurred.
- \* Specific plans exist or are needed to respond to the hazard.

	PART A Hazard Could Affect Jurisdiction (Circle One)		PART B Hazard Poses Significant Threat (Circle One)	
36. Avalanche	Yes	No	Yes	No
37. Agricultural Drought	Yes	No	Yes	No
38. Urban Drought	Yes	No	Yes	No
39. Earthquake	Yes	No	Yes	No
40. Flood	Yes	No	Yes	No
41. Flashflood	Yes	No	Yes	No
42. Hurricane/Tropical Storm	Yes	No	Yes	No
43. Landslide	Yes	No	Yes	No
44. Tornado	Yes	No	Yes	No
45. Tsunami	Yes	No	Yes	No
46. Volcano	Yes	No	Yes	No
47. Wildfire	Yes	No	Yes	No
48. Winter Storm	Yes	No	Yes	No
49. Civil Disorder	Yes	No	Yes	No
50. Dam Failure	Yes	No	Yes	No

	PART A Hazard Could Affect Jurisdiction (Circle One)		PART B Hazard Poses Significant Threat (Circle One)	
51. Hazardous Materials Incident - Stationary	Yes	No	Yes	No
52. Hazardous Materials Incident - Highway	Yes	No	Yes	No
53. Hazardous Materials Incident - Rail Line	Yes	No	Yes	No
54. Hazardous Materials Incident - Pipeline	Yes	No	Yes	No
55. Hazardous Materials Incident - River	Yes	No	Yes	No
56. Radiological Incident - Fixed Facility	Yes	No	Yes	No
57. Radiological Incident - Transportation	Yes	No	Yes	No
58. Nuclear Facility Incident	Yes	No	Yes	No
59. Power Failure	Yes	No	Yes	No
60. Subsidence	Yes	No	Yes	No
61. Mine Cave-In, Fire or Explosion	Yes	No	Yes	No
62. Air Transportation Accident	Yes	No	Yes	No
63. Railway Transportation Accident	Yes	No	Yes	No
64. Urban Fire	Yes	No	Yes	No

	PART A Hazard Could Affect Jurisdiction (Circle One)	PART B Hazard Poses Significant Threat (Circle One)
Other - (Please specify the hazard type and indicate if it poses a significant threat or not.)		
65 _____	Yes    No	Yes    No
66 _____	Yes    No	Yes    No
67 _____	Yes    No	Yes    No

For questions 68-80 please indicate, using the codes listed below, which emergency preparedness techniques your jurisdiction has adopted and maintained. (Circle one for each question)

1. Adopted and maintained
2. Adopted but not maintained
3. Not adopted
4. Not applicable/relevant to my work

	Adopted and maintained	Adopted but not maintained	Not adopted	Not applicable/ Relevant to my work
68. Established equipment rate and use agreements with contractors/industry	1	2	3	4
69. Established communication link to a major area radio/TV station, such as protected phone line or dedicated radio channel	1	2	3	4
70. Installed rotary phone connections and established staff procedures to operate a citizen emergency information phone bank (other than 911)	1	2	3	4
71. Trained citizen members of Block Watch or other neighborhood-based groups for emergency self-help	1	2	3	4
72. Established agreements with RACES, CB or other radio amateurs for assisting in an emergency or warning situation	1	2	3	4

	Adopted and maintained	Adopted but not maintained	Not adopted	Not applicable/ Relevant to my work
73. Established a location and staff responsible for a "media information center" at which reporters will be given frequently updated information during an extended emergency	1	2	3	4
74. Designated and trained staff to take responsibility for organizing untrained citizen volunteers who may show up in a major emergency	1	2	3	4
75. Established a procedure (multiple casualty incident plan) with hospital and ambulance managers for coordinating the reception of casualties in a major emergency	1	2	3	4
76. Established open purchase orders or other means to make and document necessary emergency expenditures	1	2	3	4
77. Developed specific methods and staff trained to make public evacuation warnings, other than fixed outdoor sirens	1	2	3	4
78. Designated usable vehicles & drivers to carry transit-dependent and mobility-impaired persons in an evacuation of a neighborhood or institution	1	2	3	4
79. Designated voluntary group or agency responsible for housing citizens temporarily evacuated from a hazardous area	1	2	3	4
80. Established a system that designates staff who will provide needed command post services in a multi-agency emergency response (joint communications, food, media relations, etc.)	1	2	3	4

81. How would you compare the preparedness of your jurisdiction for disasters and catastrophic emergencies with other jurisdictions of similar size across the nation, as best you can tell?

- ☐ 1. Better prepared
- ☐ 2. Comparably prepared
- ☐ 3. Not as prepared
- ☐ 4. No basis for making a judgment
- ☐ 5. Not applicable/relevant to my work

82. Is there an individual (or individuals) responsible for resource management in your jurisdiction?

- ☐ 1. Yes
- ☐ 2. No
- ☐ 3. Not applicable/relevant to my work

83. Have data concerning critical resources been computerized?

- ☐ 1. Yes
- ☐ 2. No
- ☐ 3. Not applicable/relevant to my work

84. Does your jurisdiction have updated call-up lists to facilitate the mobilization of available personnel resources?

- ☐ 1. Yes
- ☐ 2. No
- ☐ 3. Not applicable/relevant to my work

85. For which of the following critical resource areas are updated inventories maintained? (Mark all that apply.)

- ☐ 1. Manpower
- ☐ 2. Heavy equipment
- ☐ 3. Emergency transportation
- ☐ 4. Emergency fuel
- ☐ 5. Construction materials
- ☐ 6. Emergency food
- ☐ 7. Emergency water
- ☐ 8. Emergency medical and sanitation supplies
- ☐ 9. Emergency housing
- ☐ 10. Emergency clothing
- ☐ 11. Emergency finances



86. Which of these critical resource areas have been identified as being potentially insufficient? (Mark all that apply.)

- ☐ 1. Manpower
- ☐ 2. Heavy equipment
- ☐ 3. Emergency transportation
- ☐ 4. Emergency fuel
- ☐ 5. Construction materials
- ☐ 6. Emergency food
- ☐ 7. Emergency water
- ☐ 8. Emergency medical and sanitation supplies
- ☐ 9. Emergency housing
- ☐ 10. Emergency clothing
- ☐ 11. Emergency finances

87. For which of these critical resource areas have potential sources been identified? (Mark all that apply.)

- ☐ 1. Manpower
- ☐ 2. Heavy equipment
- ☐ 3. Emergency transportation
- ☐ 4. Emergency fuel
- ☐ 5. Construction materials
- ☐ 6. Emergency food
- ☐ 7. Emergency water
- ☐ 8. Emergency medical and sanitation supplies
- ☐ 9. Emergency housing
- ☐ 10. Emergency clothing
- ☐ 11. Emergency finances

88. For which of these critical resources are written agreements in place? (Mark all that apply.)

- ☐ 1. Manpower
- ☐ 2. Heavy equipment
- ☐ 3. Emergency transportation
- ☐ 4. Emergency fuel
- ☐ 5. Construction materials
- ☐ 6. Emergency food
- ☐ 7. Emergency water
- ☐ 8. Emergency medical and sanitation supplies
- ☐ 9. Emergency housing
- ☐ 10. Emergency clothing
- ☐ 11. Emergency finances