



# FEMA

SOP 9570.15  
Essential Infrastructure Assessment  
Standard Operating Procedure (SOP)

## Public Assistance Mission Statement

**The mission of the Public Assistance Program is to assist communities in recovering from the devastating effects of disasters by providing technical assistance and financial grants in an efficient, effective, consistent and customer-friendly manner. We will accomplish the mission by having experienced, trained, knowledgeable and friendly staff; well-documented, easy-to-understand and accessible policies and procedures; timely and transparent decision-making; and a strong partnership with the states. We will continuously seek and identify opportunities to improve program delivery.**



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## List of Acronyms

|       |   |
|-------|---|
| AFO   | Area Field Office                           |
| CIKR  | Critical Infrastructure and Key Resources   |
| DHS   | U.S. Department of Homeland Security        |
| EMS   | Emergency Medical Services                  |
| EOC   | Emergency Operations Center                 |
| EPA   | U.S. Environmental Protection Agency        |
| ESF   | Emergency Support Function                  |
| FAST  | Facility Assessment Support Team            |
| FCO   | Federal Coordinating Officer                |
| FEMA  | Federal Emergency Management Agency         |
| FEST  | Field Engineering Support Team              |
| GIS   | Geographic Information System               |
| IMAT  | Incident Management Assistance Team         |
| JFO   | Joint Field Office                          |
| NICC  | National Infrastructure Coordinating Center |
| PA    | Public Assistance                           |
| PDA   | Preliminary Damage Assessment               |
| PNP   | Private Non-Profit                          |
| SCO   | State Coordinating Officer                  |
| SOP   | Standard Operating Procedures               |
| TAC   | Technical Assistance Contractor             |
| USACE | U.S. Army Corps of Engineers                |



**FEMA**

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## 1.0 Introduction

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During disasters that have a significant, widespread impact, it is imperative that the State and Federal governments rapidly obtain information regarding the condition of essential infrastructure and initiate efforts to assist local governments and others with restoration of damaged facilities and systems. The Federal Emergency Management Agency (FEMA) has developed this document (referred to as the Standard Operating Procedures [SOP] document) to establish a systematic approach for conducting infrastructure assessments and to maintain consistency in the use of the assessment results. The SOP document integrates Joint Field Office (JFO)-wide assessment activities within an Infrastructure Assessment Task Force deployed under the Infrastructure Branch within the JFO Operations Section. The SOP also outlines common reporting protocols and tools that guide the collection, compilation, analysis, and distribution of assessment information, including the integration of information derived from other, separate assessments.

### 1.1 Purpose

The purpose of the Essential Infrastructure Task Force is to:

- Provide effective technical assistance to local governments and other entities with regard to essential infrastructure restoration, including guidance related to temporary facilities and emergency repairs necessary to restore infrastructure functions until permanent repairs can be accomplished
- Assist the State in identifying potential needs for Direct Federal Assistance related to emergency repairs or temporary facilities
- Establish priorities for implementation of the Public Assistance (PA) Program, including “triage” to identify the most seriously affected program applicants and deployment of Facility Assessment Support Teams (FASTs) to make more detailed assessments<sup>1</sup>
- Collect information regarding the post-incident status of essential infrastructure and the critical needs of local governments and other entities
- Integrate FEMA’s infrastructure assessment efforts, data gathering, and data analysis with other Federal agencies and the State
- Standardize reporting of essential infrastructure conditions for purposes of planning, resource allocation, and decision making

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<sup>1</sup> As currently envisioned, a Facility Assessment Support Team (FAST) is a multi-disciplinary technical team deployed under the PA Program to conduct rapid assessments of complex facilities or area-wide assessments in situations where similar damage has affected numerous facilities of a particular type. For additional information on FASTs, refer to “Facility Assessment Support Teams,” prepared by the Public Assistance Division, draft dated March 3, 2009



### 1.2 Scope

This SOP document applies to all types of incidents, regardless of cause, that have the potential to affect essential infrastructure. FEMA may implement the Essential Infrastructure Assessment Task Force after major disaster where the full impact of the incident and the condition of the affected communities may not be known for days or weeks. Table 1-1 describes the types of essential infrastructure that may be assessed in accordance with the procedures outlined in this SOP document.

**Table 1-1: Types of Essential Infrastructure**

| Sector             | Types of Infrastructure   |
|--------------------|---|
| Life/Safety        | <ul style="list-style-type: none"> <li>• Firefighting facilities and operations</li> <li>• Emergency medical services (EMS) facilities and operations</li> <li>• Hospitals and other healthcare facilities</li> </ul> |
| Water Resources    | <ul style="list-style-type: none"> <li>• Water treatment and distribution</li> <li>• Wastewater collection and treatment</li> <li>• Flood control works (dams, levees)</li> </ul>                                     |
| Energy             | <ul style="list-style-type: none"> <li>• Electric power generation, distribution, and transmission</li> <li>• Gas Pipelines</li> </ul>  |
| Telecommunications | <ul style="list-style-type: none"> <li>• Public safety systems and 911 services</li> </ul>  |
| Transportation     | <ul style="list-style-type: none"> <li>• Roads and bridges</li> <li>• Public transportation</li> <li>• Airports</li> <li>• Ports and harbors</li> </ul>   |
| Public Buildings   | <ul style="list-style-type: none"> <li>• Local government facilities – city halls, county administration buildings</li> <li>• Courts and jails</li> <li>• Schools</li> </ul>  |

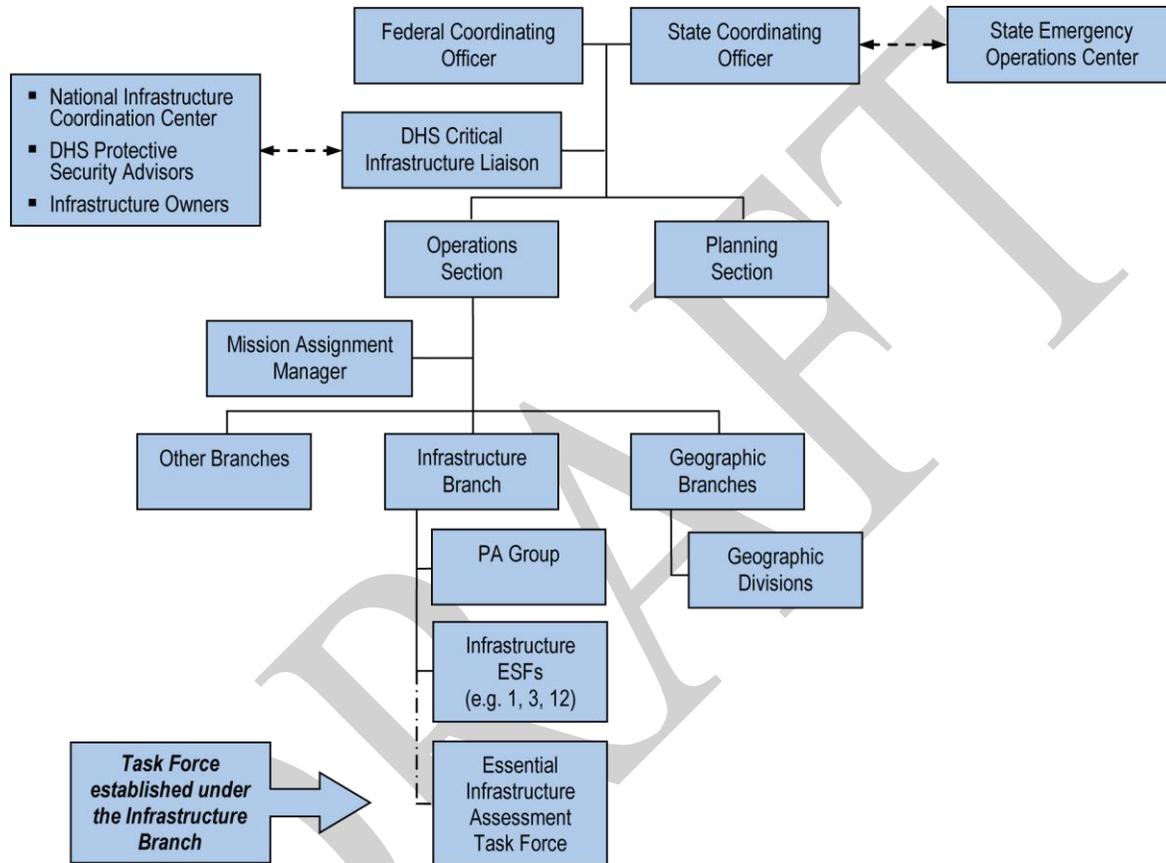
Note: This table includes infrastructure that may be owned by both public and private entities. As described in Section 1.2.3, even though only facilities owned by public and certain private non-profit entities may be eligible for Federal assistance for restoration, it may be necessary for FEMA to assess the condition of private-sector infrastructure to determine the need for assistance to save lives, protect public health and safety, and protect property.

FEMA will coordinate its infrastructure assessments with those of other Federal agencies and ensure that all assessments results are effectively integrated in the JFO.



### 2.0 Roles and Responsibilities

FEMA implements the Standard Operating Procedures for Essential Infrastructure Assessments through the JFO Operations Section. An overview of the typical JFO organization, with elements pertaining to Essential Infrastructure Assessments, is shown on Figure 2-1.



**Figure 2-1: Joint Field Office Organization**

Note: Figure 2-1 only shows the elements of the JFO organization that are involved in the Essential Infrastructure Assessment process. Figure 2-1 assumes that any Incident Management Assistance Team personnel are part of the JFO or a geographic branch. The actual organization of the JFO is incident specific.

#### 2.1 The State

The State performs the following functions:

- Participates in the decision to implement the Essential Infrastructure Assessment.
- Sets priorities for the Essential Infrastructure Assessment
- Participates in Essential Infrastructure Assessment Task Force operations
- Coordinates infrastructure assessments with local governments and other entities



- Identifies potential requests for Direct Federal Assistance for emergency repairs or temporary facilities

### **2.2 Operations Section**

The Operations Section implements the Essential Infrastructure Assessment through the Infrastructure Branch. Depending on the specific conditions of the incident, the Operations Section may establish geographic branches and divisions to maintain span of control, manage the delivery of resources to the local level, and facilitate coordination and situational awareness in the field. The responsibilities of key Operations Section staff are described here.

### **2.3 Infrastructure Branch**

The Infrastructure Branch is responsible for assembling and deploying the Essential Infrastructure Assessment Task Force. This responsibility facilitates the use of Task Force information by the PA Program for subsequent program operations.

#### **2.3.1 Infrastructure Branch Director**

The Infrastructure Branch Director is responsible for:

- Providing direction for Essential Infrastructure Assessment Task Force activities
- Working with State counterparts to initiate Essential Infrastructure Assessment Task Force operations and identify priorities
- Identifying cross-programmatic issues and facilitating coordinated problem solving among the assessment areas
- Identifying requirements to implement Essential Infrastructure Assessment Task Force operations
- Working with other Federal agencies (OFAs), the Mission Assignment Manager, and/or the Disaster Assistance Directorate staff responsible for deployment of contractors to obtain resources
- Assigning an Essential Infrastructure Assessment Task Force Leader from the participating ESFs

#### **2.3.2 Essential Infrastructure Assessment Task Force**

The Essential Infrastructure Assessment Task Force operates at the direction of the Infrastructure Branch Director. The Task Force consists of the Coordination Team and one or more Field Teams. The Task Force coordinates all elements related to implementation of the Essential Infrastructure Assessment and completes the physical assessments themselves.



### *Task Force Leader*

The Task Force Leader has a strong engineering background, leadership skills, and the ability to effectively coordinate infrastructure assessment and restoration actions with other Infrastructure Assessment Task Force members. The Task Force Leader is selected by the Infrastructure Branch Director and has the lead of the Task Force Coordination Team.

### *Task Force Coordination Team*

The Task Force Coordination Team, which includes the Task Force Leader, is responsible for management and coordination of Task Force activities.

### *Task Force Field Teams*

The Task Force includes one or more Field Teams. The Task Force Field Teams conduct the actual Essential Infrastructure Assessment.

### **2.3.3 Other Infrastructure Branch Responsibilities**

The Infrastructure Branch is responsible for:

- Collecting information generated by the Essential Infrastructure Assessment Task Force
- Conducting analysis of the results
- Providing applicable information to the Planning Section for developing the Incident Action Plan and Situation Status Report
- Providing applicable information to the PA Group Supervisor for use in PA Program planning and prioritization
- Reporting through standard mechanisms to the State and to agency and JFO leadership

### **2.3.4 PA Group**

The PA Group will provide program and technical specialists to support Essential Infrastructure Assessment Task Force operations. The results of the Essential Infrastructure Assessment provide the PA Group with information to use for planning and prioritization.

## **2.4 Planning Section**

The Planning Section is responsible for:

- Assigning a technical specialist to serve as the single point of contact within the Planning Section for situational awareness related to infrastructure issues
- Providing data to the Essential Infrastructure Assessment Task Force that may be used in setting priorities for assessments



- Integrating Essential Infrastructure Assessment Task Force activities into the Incident Action Plan
- Compiling the information gathered by the Essential Infrastructure Assessment Task Force
- Integrating assessment analysis results into the Situation Status Report and other reports and presentations required by senior leaders
- All data gathered by the Planning Section will be entered into a standard infrastructure report.

### **2.4.1 Coordination with the Essential Infrastructure Assessment Task Force**

Because the DHS Critical Infrastructure and Key Resources (CIKR) mission is focused primarily on private-sector infrastructure of regional and national importance, extensive synchronization with the Essential Infrastructure Assessment Task Force is not expected, though some coordination is necessary to avoid duplication of effort and to contribute to the effective development of a JFO-wide common operating picture. The Essential Infrastructure Assessment does not replace any CIKR assessments that DHS may implement or coordinate at the regional or national levels. However, it is important that the Essential Infrastructure Assessment be coordinated with, and refrain from duplicating, such efforts. When developing the plan for Essential Infrastructure Assessments and working with the State to prioritize assessment activities, the Infrastructure Branch coordinates with the DHS Critical Infrastructure and Key Resources Liaison.

### **2.5 Other Federal Agencies**

In accordance with the National Response Framework and associated ESF annexes, other Federal agencies and departments may support the incident response. The agencies involved and their specific roles depend on the type and severity of the incident. The Essential Infrastructure Assessment does not replace assessments conducted by other Federal agencies under their own authorities or the capabilities and procedures that FEMA and other Federal agencies have developed over time to gather information regarding infrastructure. With regard to infrastructure assessments, other Federal agencies may provide support in two ways:

- When tasked by FEMA through Mission Assignment to provide direct support for the Essential Infrastructure Assessment Task Force
- By conducting assessments through their own authorities or through ESF operations under which assessments of infrastructure are typically conducted



## 2.6 Local Governments and Other Facility Owners/Operators

It is important that local governments and other entities have a clear understanding of the role of the Task Force in the overall response operation and do not confuse the Task Force operations with preliminary damage assessments (PDAs) or PA Program operations that may occur later. To the extent possible, local governments and other facility owners and operators:

- Report priorities and critical needs to the State
- Provide the Essential Infrastructure Assessment Task Force with access to damaged facilities
- Provide the Task Force with information regarding operational conditions and required repairs

Working with the State, the Task Force will seek to minimize the impact of its operations on the time and resources of these officials.

## 3.0 Task Force Operations

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This section describes the procedures for implementing the Essential Infrastructure Assessment, including assembling the team(s), establishing priorities, conducting assessments, and compiling assessment information.

### 3.1 Overview

For an overview of the Essential Infrastructure Assessment process, refer to Figure 3-1, Essential Infrastructure Assessment Flow Chart.

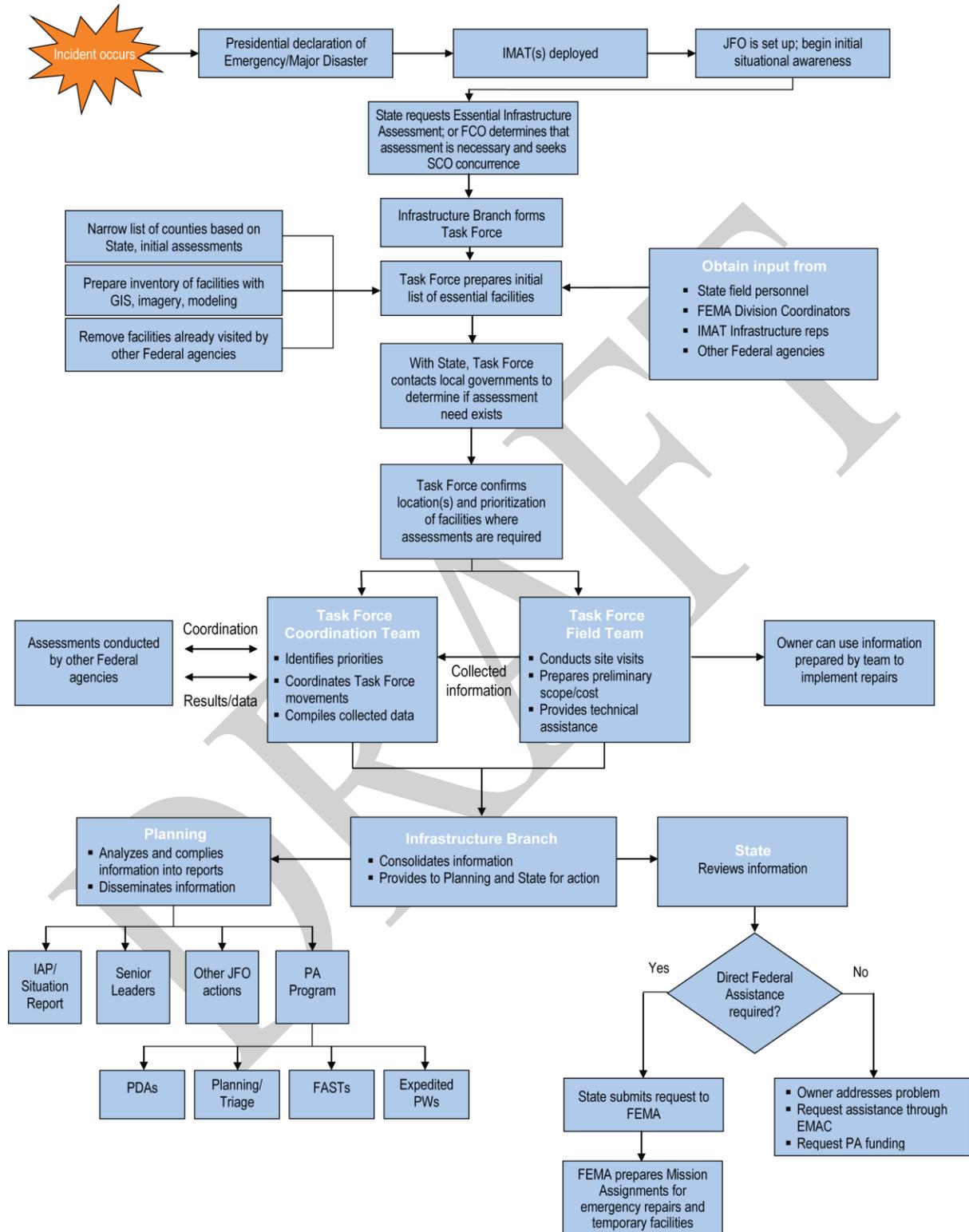


Figure 3-1: Essential Infrastructure Assessment Flow Chart



### 3.2 Timeframe for Assessments

FEMA should plan on a rapid deployment of the Essential Infrastructure Assessment Task Force—ideally, within 72 to 96 hours of the incident. FEMA should initiate the process of deploying the Task Force to obtain rapid intelligence on the condition of the infrastructure and enhance its capabilities of providing assistance as quickly as possible. However, FEMA should ensure that the Task Force is not deployed so rapidly that it disrupts life-saving operations or places demands on local governments (such as requirements for security or for meetings) that they cannot address because of other priorities.

### 3.3 Activation

Following a major disaster declaration, activation of the Essential Infrastructure Assessment occurs as follows:

- The State requests that FEMA implement an Essential Infrastructure Assessment.
- Alternatively, if the damage is apparent and overwhelming, the FCO may determine that the assessment is required and seek the SCO's concurrence for its implementation.
- The unified management group incorporates the Essential Infrastructure Assessment into the Incident Action Planning process.
- The Operations Section Chief assesses potential requirements and tasks the Infrastructure Branch Director with developing a plan for conducting required assessments.
- The Infrastructure Branch Director, working with the State, confirms potential requirements and identifies required capabilities.
- The Infrastructure Branch Director works with applicable Emergency Support Functions to identify the potential Federal resources to conduct the assessments.
- The Operations Section prepares mission assignments as appropriate to mobilize the resources of other Federal agencies. If required, FEMA mobilizes contractor resources through the applicable channels—for example, PA Program Technical Assistance Contractors (TACs) are mobilized through the Infrastructure Branch Director's request to the Public Assistance Division of the Disaster Assistance Directorate.
- If deployed, Geographic Division Supervisors are notified by the Operations Section Chief of the activation of the Essential Infrastructure Assessment Task Force and directed to coordinate any infrastructure-related activities with the Task Force Leader.

### 3.4 Task Force Organization and Composition

A Task Force under the operational control of the Infrastructure Branch Director conducts the Essential Infrastructure Assessment. The Essential Infrastructure Assessment Task Force consists of Other Federal Agencies, FEMA contractor support, FEMA program specialists, and State resources. In addition, the Task Force will have a Coordination Team and one or more Field Teams, as described below.



### *Coordination Team Composition*

- Task Force Leader
- Managers or mission coordinators for the State and Federal agencies participating in the Task Force
- Support staff to coordinate Task Force movements
- A Reports Team to analyze information and compile results

The Coordination Team may also include personnel deployed to the area(s) of Task Force field operations to facilitate coordination, communication, and information exchange.

### *Coordination Team Activities*

- Compiles information regarding priorities and sites to be assessed, according to priorities set by FEMA and the State
- Compiles information such as GIS mapping showing the locations of critical facilities to facilitate the movement of Field Teams
- Develops the plans for assessments and coordinates the movements of the Field Teams
- Coordinates the actions of the Task Force with other elements of the JFO operation and with other assessments that may be under way (e.g., EPA assessments of water and wastewater systems)
- Develops and maintains systems for information collection, analysis, and distribution
- Collects and compiles assessment information obtained by the Field Teams
- Develops reports, either directly or in coordination with the Planning Section, for agency and JFO leadership, and for the State

#### **3.4.1 Field Teams**

The Task Force includes one or more Field Teams to conduct the actual assessments. FEMA and the State determine the number of Field Teams based on:

- The geographic extent of the disaster
- The number of jurisdictions or counties in which the assessments are to be conducted
- The types of infrastructure to be assessed and the complexity of the facilities and systems
- The desired timeframe for completion of Task Force activities



### *Field Team Composition*

The Field Teams are composed of specialists from the following areas, which will depend on the type of disaster and any specific types of infrastructure that must be assessed:

- Design and construction of buildings, including planning, architecture, structural engineering, and building utility systems
- Design, construction, operation, and/or repair of utility systems
- Construction of temporary facilities
- Cost estimating for construction
- Environmental planning, including application of the National Environmental Policy Act

The Field Teams are accompanied by support staff, such as GIS specialists, to assist with information management, logistics, and other support functions.

- Emergency Support Functions (ESFs)
- FEMA/State personnel

The mix of technical specialties and the size of the Field Teams are situation-specific. For example, if a hurricane results in severe damage to a major port, FEMA and the State may determine that one Field Team should consist of professionals with expertise in design and operation of port facilities. Similarly, an earthquake may call for more emphasis on structural specialists.

### *Field Team Activities*

- Coordinate with local government officials and facility owners to schedule and conduct assessments
- Conduct assessments of individual facilities or of the community as a whole
- Document results of assessments using the reporting tools provided in Appendices B and C
- Provide assessment results to the Coordination Team

### **3.5 Prioritization and Scoping**

FEMA and the State must determine the scope of the assessment and set priorities for the Field Teams based on limited information available during the initial hours of the response. The Coordination Team, including State representatives, collects the data necessary to make decisions regarding the scope of, and priorities for, the assessment.



### **3.5.1 Sources of Information**

Potential sources of information for developing the scope of, and priorities for, the assessment include:

- State and Local Information
- Media Reports
- Initial Assessments of Damage

Federal resources deployed in advance of, or immediately after, the incident can provide initial accounts of conditions in the affected area. These resources include:

- FEMA's liaison to the State EOC
- IMAT infrastructure specialists
- Division Supervisors deployed to county or city EOCs
- Other Federal agencies conducting initial assessments under their respective authorities

### ***Modeling and Imagery***

The State and FEMA may prepare or obtain predictive and post-incident modeling regarding the impact of the incident. Such modeling includes SLOSH modeling of the effects of hurricane surge and HAZUS modeling of the impact of earthquakes. The GIS Unit in the Planning Section can synthesize this information for use by the Task Force.

### ***GIS Data***

The GIS Unit can provide the following to support the scoping and prioritization process:

- Mapping of the affected area
- Inventories of essential infrastructure
- Visualization, querying, and analysis capabilities

## **3.6 Coordination of Task Force Operations**

Coordination within the Task Force and between the Task Force and other response elements is described below. Figure 3-2 summarizes the channels of coordination.

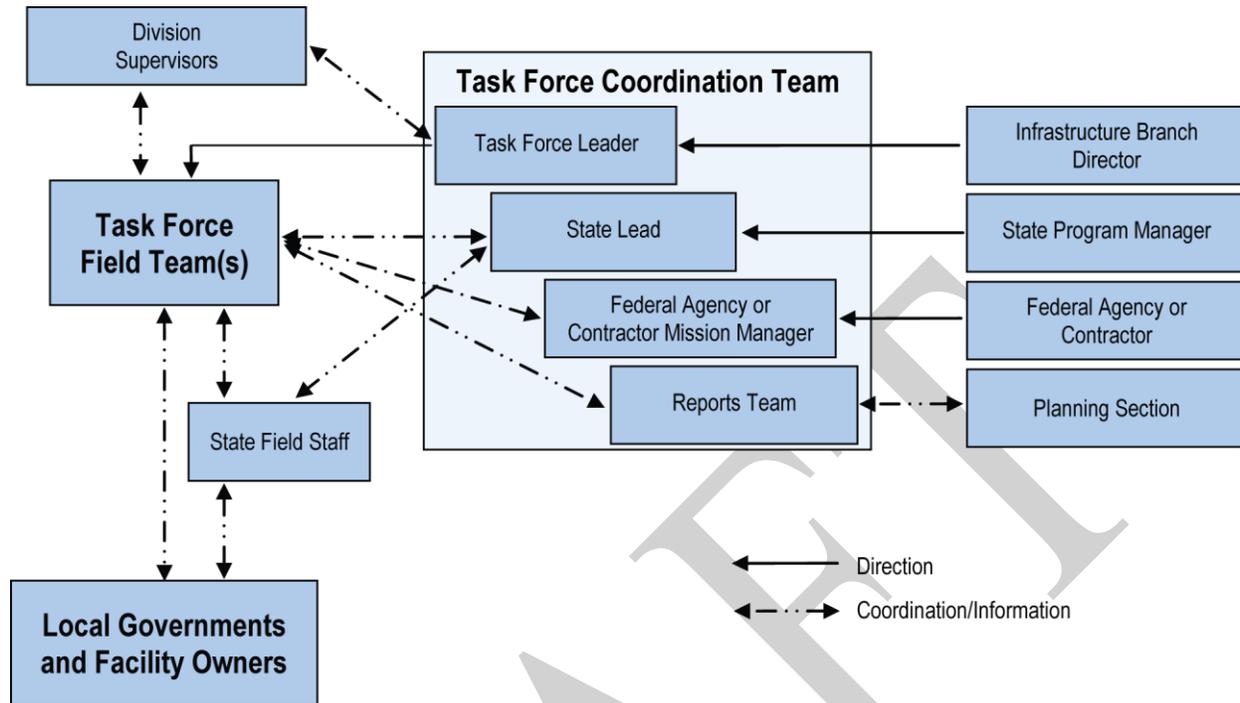


Figure 3-2: Coordination Channels

### 3.6.1 Command and Control

The Task Force Leader is responsible for coordination and for managing the movement of Field Teams, in accordance with priorities set by the State. The Field Team Leader reports directly to the Task Force Leader and is responsible for ensuring that the Field Team completes its assignments.

### 3.6.2 Coordination with Local Governments and Facility Owners

In general, the State should take the lead in contacting local government officials to identify priorities, determine whether a community should be assessed, and identify potential facilities for assessment. Also, the State should take the lead in contacting the owners of those facilities to arrange assessments.

It is possible that IMAT representatives, Division Supervisors, or representatives of other Federal agencies may be in contact with local government officials and facility owners. This information should also be captured for use in the planning process.

In coordinating with local governments and facility owners and conducting assessments, the Field Team must ensure that expectations are managed. The purpose



of the assessment is to gather information; completion of the assessment does not imply delivery of assistance.

### **3.6.3 Coordination Meetings**

Coordination meetings between the Coordination Team and the Field Teams should be held daily to report on progress, observations, and problems requiring resolution. Priorities and schedules are adjusted based on progress, additional information regarding conditions, and changes.

### **3.6.4 Equipment**

Field Teams should have, or be provided with a “go-kit” with the following:

- Appropriate safety equipment
- Global Positioning System units
- Laptop computers with mobile broadband capability
- Cellular or radio phones
- Contact details for Coordination Team members, other Field Teams, State field representatives, and local government officials and facility owners
- Mapping of the affected area and inventories of facilities to be assessed (see below)
- Forms for collecting and reporting assessment information
- Appropriate credentials that can be used to identify team members to local officials, law enforcement, and others
- Cameras

### **3.7 Field Team Assessments**

Field Teams conduct facility-specific and community-wide assessments in accordance with the procedures outlined in this section. The approach may be adjusted based on the conditions of the incident, the priorities set by the State, and situation-specific directives from JFO or agency leadership.

If directed, the Task Force may conduct facility-specific assessments to obtain information regarding:

- Damage caused by the incident
- Operating conditions
- Requirements for temporary repairs or a temporary facility
- Projected requirements for restoration, including cost and expected timeframe



The specific data requirements are outlined in the Facility Assessment Worksheet provided in Appendix A.

### *Guidelines for Preparing Assessments*

The Field Team should observe the following guidelines in preparing the facility assessment.

- Involvement of the facility owner: The Field Team should complete the assessment in the presence of a representative of the facility owner, who can provide safe access to the facility and information regarding requirements for emergency repair and permanent restoration.
- Level of detail for scope and cost: Given the compressed timeframe for completing the assessment and the limitations of available information, the Field Team is not expected to prepare a detailed scope of work and cost estimate for temporary or permanent repairs to the facility.
- Potential for assistance under the Stafford Act: The Field Team should exercise care with regard to assessing whether Federal assistance may be provided under the Stafford Act.
- Qualitative information: The Field Team should capture qualitative information, such as the expected impact if the facility is not restored, based on conversations with local officials, the facility owner, and observations of prevailing conditions.

### **3.7.1 Daily Field Team Reporting**

If communications are available, the Field Teams report their assessment results to the Coordination Team on a daily basis by submitting the completed assessment sheets, either electronically or by fax. The Field Teams should also report instances in which they assessed facilities that were undamaged.

On a daily basis, the Coordination Team compiles the information received from the Field Teams into a single dataset and uses the compiled information to prepare reports, which are described in the next section.

### **3.8 Compilation, Analysis, and Dissemination of Assessment Information**

The Infrastructure Branch, working with the Planning Section, compiles, analyzes, and disseminates information related to the condition of the infrastructure.

The general flow of information resulting from the Essential Infrastructure Assessment is summarized in Figure 3-1 and is described in more detail below.



### **3.8.1 Cross-Functional and Interagency Coordination**

To ensure effective integration of infrastructure information, paths for information flow and collection must be established at the initiation of assessment operations. These paths are established by the Infrastructure Branch and the Planning Section.

#### ***Infrastructure Branch***

The Infrastructure Branch Director collects assessment information from the Task Force Coordination Team that is compiled from the information assessment results submitted by the Field Teams.

#### ***Planning Section***

The Planning Section assigns a technical specialist with infrastructure expertise to manage information related to infrastructure. This specialist monitors the Incident Action Plan and Situation Status Reports for information related to the condition of infrastructure and for actions taken by other JFO elements and other Federal agencies with regard to infrastructure.

#### ***Hazard Mitigation Division***

Infrastructure Assessment findings should be provided to Hazard Mitigation personnel for potential identification of mitigation opportunities. In addition to reducing loss of life and property associated with disasters, the Hazard Mitigation Grant Program (HMGP) can enable mitigation measures to be implemented during the immediate recovery from a disaster.

#### ***Infrastructure Recovery Working Groups***

While this SOP focuses primarily on the Response phase, longer term coordination efforts with agencies, other infrastructure working groups (e.g. Levee Task Force), and other stakeholders should begin as early as conditions warrant to promote comprehensive interagency recovery actions. To that end, Essential Infrastructure Assessment Task Force members may maintain a nucleus after initial assessments are conducted in order to foster support for ongoing assessments and restoration of essential infrastructure and infrastructure systems.

### **3.8.2 Use of Assessment Results**

Assessment results, as captured in the Infrastructure Report, can be used for a wide range of purposes throughout the JFO, including:

1. Situational Awareness



2. Briefings for Senior Leaders
3. Identification of Potential Requests for Essential Assistance
4. Prioritization of Federal Resources
5. PA Program Planning and Operations
6. Identification of Hazard Mitigation Grant Program opportunities

In conducting facility-specific assessments, Field Teams may collect damage, scope, and cost estimate data using the report format provided in Appendix A. This information is not intended to replace the data that FEMA must collect to prepare Project Worksheets; nor is it intended for entry into EMMIE. However, the PA Group may use this information to identify situations in which it is necessary to:

- Expedite Project Worksheets to assist PA Program applicants with temporary facilities or emergency repairs
- Deploy FASTs to conduct more detailed assessments of damaged facilities

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## 4.0 Appendix A: Facility Assessment Worksheet

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| Essential Infrastructure Assessment<br>FACILITY ASSESSMENT |   |  |  |   |
|--|---|--|--|---|
| FACILITY INFORMATION                                       |   |  |  |   |
| <b>Name:</b>   |   |  |  |   |
| <b>Type:</b>   | <input type="checkbox"/> Fire                       | <input type="checkbox"/> Water Treatment/<br>Distribution            | <input type="checkbox"/> Roads/ Bridges            | <input type="checkbox"/> Telecommunications           |
|  | <input type="checkbox"/> EMS                        | <input type="checkbox"/> Wastewater<br>Collection/ Treatment         | <input type="checkbox"/> Public Transit            | <input type="checkbox"/> Municipal/<br>Administrative |
|  | <input type="checkbox"/> Law Enforcement/<br>Police | <input type="checkbox"/> Fuel Storage/<br>Distribution               | <input type="checkbox"/> Airport                   | <input type="checkbox"/> School                       |
|  | <input type="checkbox"/> Hospital                   | <input type="checkbox"/> Natural Gas<br>Distribution                 | <input type="checkbox"/> Port/Harbor               | <input type="checkbox"/> Court/Jail                   |
|  | <input type="checkbox"/> Pipeline                   | <input type="checkbox"/> Dam   | <input type="checkbox"/> Levee                     | <input type="checkbox"/> Other Flood Control<br>Works |
|  | <input type="checkbox"/> Other Healthcare           | <input type="checkbox"/> Power Generation/Transmission/ Distribution |  |   |
| <b>Address:</b>  |   |  |  |   |
| <b>City:</b>   |   |  | <b>Longitude:</b>                                  |   |
| <b>Zip Code:</b>   |   |  | <b>Latitude:</b>                                   |   |
| FACILITY OWNER   |   |  |  |   |
| <b>Organization:</b>                                       |   |  |  |   |
| <b>Type:</b>   | <input type="checkbox"/> State                      |  | <input type="checkbox"/> Local                     | <input type="checkbox"/> Tribal                       |
|  | <input type="checkbox"/> Other Public               |  | <input type="checkbox"/> Private/PNP               |   |
| <b>Contact:</b>  |   |  | <b>Title:</b>                                      |   |
| <b>Phone #:</b>  |   |  | <b>Email:</b>                                      |   |
| SITUATION  |   |  |  |   |
| <b>Description of Damage:</b>                              |   |  |  |   |
| <b>Operating Capacity:</b>                                 | <input type="checkbox"/> Not Operating              | <input type="checkbox"/> <40% Capacity                               | <input type="checkbox"/> 40%–80% Capacity          | <input type="checkbox"/> >80% Capacity                |
|  | <input type="checkbox"/> Threat to Life/Safety      |  | <input type="checkbox"/> Loss of Essential Service | <input type="checkbox"/> Restriction of Access        |
| <b>Impact:</b>   | <input type="checkbox"/> Economic Loss              |  | <input type="checkbox"/> Limits Community Recovery |   |
|  | <b>Comments on Impact:</b>                          |  |  |   |



| Essential Infrastructure Assessment<br>FACILITY ASSESSMENT |                                       |  |                                      |
|--|---------------------------------------|--|--------------------------------------|
| <b>EMERGENCY WORK REQUIRED</b>                             |                                       |  |                                      |
| <b>Temporary Repairs:</b>                                  |                                       | <b>Temporary Facilities:</b>                 |                                      |
| <input type="checkbox"/> Yes                               | <input type="checkbox"/> No           | <input type="checkbox"/> Yes                 | <input type="checkbox"/> No          |
| <b>Description:</b>  |                                       | <b>Description:</b>                          |                                      |
|  |                                       |  |                                      |
| <b>Estimated Cost:</b>                                     |                                       | <b>Estimated Cost:</b>                       |                                      |
|  |                                       |  |                                      |
| <b>REQUIREMENTS FOR PERMANENT RESTORATION</b>              |                                       |  |                                      |
| <b>Restoration Required:</b>                               | <input type="checkbox"/> Minor Repair | <input type="checkbox"/> Major Repair        | <input type="checkbox"/> Replacement |
| <b>Comments on Restoration Needs:</b>                      |                                       |  |                                      |
|  |                                       |  |                                      |
| <b>Restoration Time Frame:</b>                             | <input type="checkbox"/> <30 Days     | <input type="checkbox"/> 30 Days to 6 Months | <input type="checkbox"/> >6 Months   |
| <b>Estimated Cost for Restoration:</b>                     |                                       |  |                                      |
| <b>ADDITIONAL COMMENTS</b>                                 |                                       |  |                                      |
|  |                                       |  |                                      |
| <b>ASSESSOR INFORMATION</b>                                |                                       |  |                                      |
| <b>Name:</b>   |                                       | <b>Organization:</b>                         |                                      |
| <b>Phone #.</b>  |                                       | <b>Date:</b>                                 |                                      |

NOTE: The purpose of this form is to provide preliminary assessment information only. This information is not intended to replace the data required for the formulation of a sub-grant application. Signature by the Federal Assessor is neither an indication of eligibility of this work; nor should the estimated cost presented within be utilized for funding purposes.