

State of California  
Governor's Office of Emergency Services  
Planning Section  
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# CASCADIA LOGISTICS SUPPORT PROTOCOL

For planning and coordination purposes only.

5/24/01

# CASCADIA LOGISTICS SUPPORT PROTOCOL

## INTRODUCTION

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### *Purpose*

The *Cascadia Logistics Support Protocol* has been prepared to provide direction relative to logistics to those state and federal agencies responding to a catastrophic earthquake along the Southern Cascadia Subduction zone.

The *protocol* reflects how and when responsible state and federal agencies will support the various organizational levels within the Standardized Emergency Management System (SEMS) based upon the requested and anticipated needs of the jurisdictions with responsibility for the disaster.

The purpose of the *Cascadia Logistics Support Protocol* is to:

- Outline concepts and potential operational procedures in support of all jurisdictions with responsibility for the incident within the affected Operational Areas (OA) for the rapid establishment of a logistical support system to ensure effective supply of North Coast communities within Humboldt and Del Norte Counties following a great earthquake [magnitude (M) 8.4] and possible tsunami.
- Promote rapid establishment of alternate transportation methods for effective emergency response and timely supply of emergency equipment, personnel, and supplies.
- Improve efforts of governmental response organizations by describing in a single document the potential unique and critical needs resulting from the disaster and defining the responsibilities and anticipated tasks of key response/supporting agencies.

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### *System Description*

This support *protocol* is based on the premise that local jurisdictions and the Operational Areas are responding, have activated their emergency system, have determined that their capabilities have or will soon be exceeded, and have requested assistance from both the State and Federal Governments.

As their response continues, it is assumed that they will already be in contact with and be receiving assistance from State and Federal agencies that have jurisdictional responsibilities/authority at the incident and are responding with their resources located in the impacted area. SEMS is being closely followed and will include multi-agency coordination groups at the Operational Area

## INTRODUCTION, continued

Emergency Operations Center, Regional Emergency Operations Center, and the State Operations Center. Multi-agency coordination at the emergency operations center involves the participation of agencies with legal and jurisdictional responsibility in the disaster area, working together in a coordinated effort to facilitate prioritization of resources.

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### *Scope*

This *protocol* is a result of planning and exercises with local, state, and federal agencies beginning in 1995. It was developed in close cooperation with those state and federal agencies that may be expected to respond to a Cascadia-driven event.

This *protocol* does not replace existing State Operations Center, Regional Emergency Operations Center, and agency procedures, or constitute a separate task force group plan. It should, however, be overlaid on existing procedures as additional detail for a Cascadia-driven event.

It is expected that damages will be so significant that the Operational Areas within the disaster area will require assistance from the state and federal governments.

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### *Precepts*

The following precepts govern the Cascadia event operations:

- Implementation of the protocol will be exercised as set forth in the Emergency Services Act and the State of California Emergency Plan.
- The Standardized Emergency Management System (SEMS) will be used in conducting all state operations.
- Consistent with SEMS, local government will retain legal and jurisdictional authority for response efforts.
- The *Federal Response Plan* (FRP) shall provide additional guidance on the conduct of coordinated state/federal operations as federal resources are requested.
- State agencies are required to develop any supporting plans required to carry out their jurisdictional or anticipated role as outlined in Chapter 5, Concept of Operations, and Chapter 7, State Agency Taskings. See also Governor's Executive Order W-9-91.

## INTRODUCTION, continued

### References

The following documents were used in the development of this *protocol*:

- California Division of Mines and Geology Special Publication 78.
- California Emergency Services Act as Amended (Chapter 7 of Division 1 of Title 2 of the Government Code).
- State of California Emergency Plan.
- Governor's Office of Emergency Services "Regional Emergency Operations Center Standard Operating Procedures" (Regional Emergency Operations Center SOP).
- Map Series USGS 15' (United States Geologic Survey)
- Statewide Emergency Planning Committee proceeding/notes from North Coast Tabletop Exercise August 24, 1995, Office of Emergency Services/Department of Transportation Region 9 Tabletop exercise on December 4, 1997.
- California-Federal Emergency Operations Center Guidelines, 4/98
- OES/FEMA Memorandum of Understanding (as finalized – January, 1995)

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## CHAPTER 2

### BACKGROUND

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#### *Situation*

The *Cascadia Logistics Support Protocol* will be activated in response to a catastrophic earthquake along the Southern Cascadia Subduction zone, which is assumed to generate a local seismic sea wave or tsunami that will arrive just minutes after the earthquake. The nature of anticipated damages are expected to isolate the counties of Humboldt and Del Norte from all transportation modes.

The damage assessments, as postulated for this scenario, necessitate the creation of a multi-modal and phased establishment of emergency air, land, and water transportation routes into the area. To review the North Coast scenario, refer to Annex A, Executive Summary of the California Division of Mines and Geology (CDMG) Special Publication 115, 1995.

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#### *The threat*

The Cascadia Subduction Zone Gorda Segment (Extracted from CDMG Special Publication 115, Executive Summary)

The Cascadia Subduction Zone is a 750 mile (1,200 km) long offshore major thrust fault zone extending from northern California to southern Canada. This planning scenario hypothesizes a M8.4 (moment magnitude) earthquake on the southernmost 150 mile (240 km) Gorda segment of the Cascadia Subduction Zone.

This may not be the largest event that could occur along the Cascadia Subduction Zone, but it will produce within California about as much destruction as would a rupture of the entire zone. The probability of occurrence of the scenario earthquake is not known, but is sufficient to justify preparedness planning.

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#### *Tsunami*

The scenario earthquake is assumed to generate a local seismic sea wave or tsunami that will arrive just minutes after the earthquake occurs and has the potential to cause high seas for up to eight hours. The lack of warning time for such a nearby event will result in higher casualties than if it were a distant tsunami source wherein the Tsunami Warning System for the Pacific Ocean could warn threatened coast areas in time for evacuation.

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## BACKGROUND, continued

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### *Planning assumptions*

The planning assumptions used in developing the *Cascadia Logistics Support Protocol* are presented below:

1. The earthquake will be of such magnitude that it will initially isolate the affected Operational Areas from ground re-supply by air, ground, and sea.
2. The damage and threat to population will greatly exceed local capabilities, necessitating emergency re-supply for life saving, and life threatening conditions.
3. Very limited communications with the counties will be available by radio/Operational Area Satellite Information System (OASIS).
4. The major airfields survive and are rapidly reparable for rotary wing within two hours and 24 to 48 hours for fixed wing aircraft.
5. The actions outlined in this protocol begin soon after the emergency occurs and are carried out at the REOC/SOC levels. Ideally, the following activities have occurred prior to initiating the actions detailed in this protocol
6. When the need is identified, the State will attempt to establish logistical re-supply to the two counties by air, ground (rail and road), and sea. Due to the nature of the disaster, a federal Major Disaster declaration will be forthcoming.
7. Even though the airfields may be damaged, major portions of the freeway system will remain intact and may be used as emergency landing areas by C-130 and smaller fixed wing aircraft.
8. The protocol will be constructed to initially use resources under the direct control of the State of California and augmented by federal assets.
9. Upon receipt of the federal declaration or presidential order to commit federal resources, a coordinated command will be established to manage the emergency re-supply of the Operational Areas affected.
10. Federal emergency funds will be made available to rapidly repair, deploy, and assemble infrastructure and assets to establish an air bridge, pending the restoration of ground transportation.
11. Fire and hazardous material incidents affect all activities.
12. It is expected that there will be damage to both the States of California and Oregon, necessitating close coordination of Federal Regions IX and X with the States of California and Oregon for re-supply.

## BACKGROUND

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13. This protocol represents anticipated support and coordination activities as a system that may need to be activated (and expand and contract) to meet the needs of the jurisdictions impacted. Planning for such support will be driven by the projected needs of the responsible jurisdictions--federal, state, and local government.
  14. With the proclamation of a State of Emergency and a Presidential Disaster Declaration, or with the activation of two or more OA EOC's, the REOC(s) and the SOC are activated.
  15. Through consultation with state agencies, the following represents anticipated state agency support requirements that could be utilized in support of disaster relief and recovery operations.
  16. State resources will be mission-tasked to respond to meet field needs as identified and requested by the affected jurisdictions.
  17. Federal and state agency personnel may be responding directly to the incident based upon their own statutory authorities and will be part of the unified command.
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### **Local Emergency Response Assumptions**

#### *Local emergency response assumptions*

The local emergency response assumptions used in developing the *Cascadia Logistics Support Protocol* are presented below:

1. While Operational Areas will be greatly impacted, their anticipated needs will be included in the development of a pre-deployment materials list (to be developed).
2. Local jurisdictions have established their emergency organization.
3. Local jurisdictions have responded to the disaster by activating their emergency response plan and response teams.
4. Local jurisdictions are responding, calling upon their local resources, implementing mutual aid and cooperative agreements for additional services and personnel.
5. The disaster has overwhelmed local jurisdiction's resources and capabilities and assistance is required from outside the OA.
6. It is expected that damages will be so significant that the OAs within the disaster area will require significant assistance from the state and federal governments.
7. The local jurisdictions, through their EOCs, have requested assistance from the OA.
8. The OA, through its EOC, has requested assistance from the State.
9. The State assumes that local jurisdictions have taken all necessary actions to respond to the disaster prior to requesting assistance from the State.

## BACKGROUND

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10. Jurisdictions (federal, state, and local government) with responsibility for the disaster will operate at the field level, conducting direct incident operational tasks related to their jurisdictional responsibility for disaster abatement.
  11. A unified command structure will be employed at the field level, with multi-agency coordination at the local, regional, and state levels to include all jurisdictions with responsibility for disaster abatement.
  12. All other assistance requested by the local jurisdiction will connect with the local command to establish contact with the local jurisdiction and be included in its response structure.
  13. For those state and federal personnel responding to a disaster, it is incumbent upon the respective state and federal personnel to check in, upon arrival. Check-in should be done either with the local government Emergency Operations Center, if activated, or the county's 24-hour contact/dispatch. This is necessary to allow the local government to coordinate responsibilities, to ensure that those responding receive safety information for access into disaster areas, and to integrate those responding into the local government emergency response.
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## CHAPTER 3

### INITIATION OF THE PROTOCOL

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<i>Mission</i>	Following a major event similar to the planning scenario described in California Division of Mines and Geology Special Publication 115, the California Office of Emergency Services, in coordination with participating state and federal agencies, and upon the request of affected Operational Areas, will establish an integrated system of emergency re-supply to Humboldt and Del Norte Counties, using all available state, local, and commercial assets by air, ground, and sea to provide requested resources and assistance.
<i>When mission accomplished</i>	This mission will be accomplished upon direction of the Director of the Governor's Office of Emergency Services, and in coordination with an appointed OES Coordinating Officer, the Director of the Coastal Regional Emergency Operations Center, or a duly authorized representative, and an appointed Federal Coordinating Officer.
<i>Federal assets</i>	As federal assets become available to be used in or respond into the State, they will be integrated into California's Standardized Emergency Management System (SEMS) and throughout the disaster response period. (Chapter 4 contains more detailed information). A coordinated command will be established to maintain and sustain the system throughout the disaster response period.
<i>Multi-state impacts</i>	It is expected that there will be damage to both the States of California and Oregon, necessitating close coordination of Federal Regions IX and X with the States of California and Oregon for re-supply.
<i>Initiation of protocol</i>	Implementation of this <i>protocol</i> will be initiated by the Director of the Office of Emergency Services or a duly authorized representative of the Governor within the Governor's Office of Emergency Services.  When federal assets are fully integrated into the operations, a coordinated overall command will be established with the designated representative of the President of the United States and the Governor.

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## INITIATION OF THE PROTOCOL, continued

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### *Coastal REOC*

The Coastal REOC will coordinate the implementation of this protocol and will, in accordance with SEMS, act as the single point of contact for the Operational Areas in order to prioritize and facilitate all essential mission requests.

1. Each Airport of Embarkation (APOE) will be controlled by the owning agency, at Crescent City, Humboldt County, Redding Airport, and the U.S. Air Force at Travis.
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## CHAPTER 4

### INTEGRATION OF FEDERAL RESPONSE ASSISTANCE WITH CALIFORNIA'S STANDARDIZED EMERGENCY MANAGEMENT SYSTEM (SEMS)

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*How accomplished* To facilitate the expeditious deployment of resources to the affected disaster areas, integration of federal response assistance will be accomplished in accordance with California's Standardized Emergency Management System. The process outlined below is consistent with the California-Federal Emergency Operations Center Guidelines, April 1998.

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**SOC** The State Operations Center is the top level of California's emergency response support structure. The State Operations Center through the use of multi-agency coordination facilitates the prioritizing of resource requests when more than one OES Administrative Region is in need of resources, and acts as a conduit for formal requests of federal aid when the need arises.

The SOC facilitates the provision of state agency resources per requests from the REOC. The SOC also handles the prioritization of requests for scarce resources and requests for federal assistance.

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*Concept Operations*

The Concept of Operations for the State Operations Center is as follows:

- State Operations Center requests a Federal Coordinating Officer (or other official), who can approve Requests for Federal Assistance, to locate at the State Operations Center.
  - If the Federal Coordinating Officer moves to a Disaster Field Office, request that a decision maker remains at State Operations Center.
  - Emergency Support Functions to respond consistent with the Federal Response Plan, California/FEMA Memorandum of Understanding (1/95), and a Presidential declaration.
  - State Operations Center contacts FEMA to coordinate Emergency Support Function assistance. Emergency Support Functions locate at the Regional Emergency Operations Center and/or State Operations Center as appropriate.
  - If a multi-region event, Emergency Support Function coordination centralized at State Operations Center with staff also at Regional Emergency Operations Centers.
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## INTEGRATION OF FEDERAL RESPONSE ASSISTANCE WITH THE STANDARDIZED EMERGENCY MANAGEMENT SYSTEM, continued

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### *Primary roles*

The State Operations Center's primary roles are to:

- Submit formal requests for federal aid received from the REOC.
  - Coordinate activities in multi-OES region events
  - Coordinate the application/assignment of scarce resources.
  - Gain approval of state cost share.
  - Coordinate state declaration process.
  - Support OES Director in Governor's Office and Legislature issues.
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### *REOC*

The Coastal Regional Emergency Operations Center will coordinate the operations associated with this *protocol* and will act as the single point of contact for the Operational Areas in order to prioritize and facilitate all essential mission requests.

The Regional Emergency Operations Center functions as the central point of coordination for state and federal assistance within the OES Region.

The OES Regional Administrator or Regional Emergency Operations Center Director will coordinate with the State Operations Center and FEMA Region IX to request, through the State Operations Center, Emergency Support Function personnel in the Regional Emergency Operations Center and requests for assistance.

The REOC Director has overall responsibility for planning and coordinating all state support response activities in support of local government within the region. The REOC Director provides the support framework for the Emergency Support Functions during federal response activities occurring within the Region after deployment. This includes federal agencies operating under their own authorities.

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### *Roles and responsibilities*

The Regional Emergency Operations Center's roles and responsibilities are as follows:

- Mission-task state resources within their region at the request of local government.
  - Determine federal assistance required through consultation with Emergency Support Functions, State Operations Center, FEMA, and Federal Coordinating Officer.
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## INTEGRATION OF FEDERAL RESPONSE ASSISTANCE WITH THE STANDARDIZED EMERGENCY MANAGEMENT SYSTEM, continued

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- Draft Request For Assistance, forward to State Operations Center for approval/action.
  - Coordinate with the Disaster Field Office, State Operations Center, and others through transition from response to recovery.
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### *Concept of Operations*

The Concept of Operations for the Regional Emergency Operations Center is as follows:

- The Regional Emergency Operations Center is the initial point of coordination for state and federal assistance responding into the (OES) region.
  - Emergency Support Function representatives at Regional Emergency Operations Centers are federal Agency Liaison Representatives. (Agency representatives are individuals assigned to an incident from assisting or cooperating agencies. They are personnel other than those on direct tactical assignments or those involved in a unified command).
  - The REOC/SOC will coordinate with federal agencies operating under their own authorities.
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### *Federal agencies*

Federal Emergency Management Agency and Emergency Support Functions roles follow:

- Deploy Emergency Response Team-A components to the State Operations Center and/or Regional Emergency Operations Center in accordance with the OES/FEMA Memorandum of Understanding (1/95).
  - Deploy Federal Coordinating Officer (or other federal official with authority to commit resources) to State Operations Center.
  - Assess best use and application of federal capabilities.
  - Assist Regional Emergency Operations Center and/or State Operations Center staff in the integration and coordination of federal response activities.
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## INTEGRATION OF FEDERAL RESPONSE ASSISTANCE WITH THE STANDARDIZED EMERGENCY MANAGEMENT SYSTEM, continued

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- Coordinate with Regional Emergency Operations Center, State Operations Center, OES/Disaster Assistance Division and Disaster Field Office staff on transition response to recovery.
  - Emergency Support Function Representatives will serve as Agency Liaison Representatives at the Regional Emergency Operations Center.
  - Coordinate and share information.
  - Clarify cost sharing early.
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## CHAPTER 5

### CONCEPT OF OPERATIONS

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This Concept of Operations is based on anticipated needs and requests from local government.

The discussion and use of an air bridge in this document is included as an option and would be initiated to quickly facilitate the inflow of resources into the area.

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#### Mobilization Centers

Mobilization Centers will be used to facilitate the movement of resources not yet assigned to an incident. Representatives from state and federal agencies will be deployed to: Redding Airport, Crescent City, and Humboldt County, and Travis Air Force Base (AFB) for the coordination of mobilized resources.

The Mobilization Centers will serve as a temporary location for emergency services personnel and equipment pending assignment or release that will be under the direction of the Coastal Regional Emergency Operations Center Director.

Resources will be located at mobilization centers pending assignment by the Coastal Regional Emergency Operations Center. Upon completion of assignments they will return to the Mobilization Centers for reassignment.

Mobilization Centers are anticipated to be established at:

1. Redding Airport
2. Humboldt County
3. Crescent City
4. Travis AFB
5. Medford, Oregon (federal)

The federal government will establish a Mobilization Center at the Medford, Oregon airfield. This will necessitate the State providing an agency representative to the Mobilization Center to assist in the coordination of personnel and resources.

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## CONCEPT OF OPERATIONS, continued

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### *Phase I. Mobilization centers.*

- Capability to use Crescent City Airport (McNamara Field) and Humboldt County Airport as additional Mobilization Centers will be evaluated and implemented, if appropriate.
- The Logistics Transportation Branch will be involved in ensuring pier access and establishing ocean going shipping for supply.

### *Phase IV. Demobilization.*

- Demobilization of all OES controlled mobilization centers will be situation driven and coordinated by the Regional Emergency Operations Center.

## Transportation Coordination

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### Air operations

Air Operations refers to the Branch responsible for the provision and coordination of air resources at the request of emergency management at the field level.

The Air Operations Branch is staffed at the field level under the direction of the Operations Chief.

Air Operations is supported at the Regional Emergency Operations Center with an Air Operations Branch. The Regional Emergency Operations Center Air Operations Branch reports to the Regional Emergency Operations Center Operations Chief and works directly with the Field Air Operations Branch in the provision and mission tasking of air resources.

The State Operations Center, Air Operations Branch, is under the State Operations Center Operations Chief who coordinates with the Regional Emergency Operations Center Air Operations Branch to facilitate the acquisition of resources and policy coordination issues.

The State Operations Center, through the use of multi-agency coordination, coordinates scarce resources or those resources moved from region to region.

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## CONCEPT OF OPERATIONS, continued

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Helispots are anticipated to be established at:

1. Travis AFB
2. Redding Airport
3. Rohnerville
4. Crescent City
5. Humboldt County

Airfields are anticipated to be used at:

1. Crescent City
2. Humboldt County
3. Redding Airport
4. Travis AFB

Airports of Embarkation are anticipated to be established at:

1. Crescent City
  2. Humboldt County
  3. Redding Airport
  4. Travis AFB
- 

### Air bridge

The Coastal Regional Emergency Operations Center will establish an air bridge initially using rotary wing assets belonging to the private sector, California Department of Forestry, California National Guard, and California Air National Guard for the transport of critical supplies and personnel into the affected area. If other OES regions become involved, establishment of the air bridge will be elevated to the State Operations Center.

### *Fixed wing cargo operations.*

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Phase 1 Quake To Quake + 24 Hours

#### *Rohnerville Staging Area and helibase.*

At Rohnerville, a helibase and subsequent staging area will be established for the initial receipt of critical supplies and equipment.

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## CONCEPT OF OPERATIONS, continued

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### *Supply delivery*

At the direction of the Incident Commander and in coordination with the Operations Section Chief, surface assets and dedicated rotary wing assets will be used by the helibase manager to disperse and deliver supplies, equipment, and personnel as they arrive at the base to the requesting jurisdictions.

### *High priority passengers and cargo.*

Medium and heavy lift helicopters will carry the high priority passengers and cargo from Redding; Crescent City and Humboldt County; or Medford, Oregon until more forward operating locations can be identified and secured.

Murray field, Crescent City, and Humboldt County airfields will be evaluated and certified for emergency light and medium fixed wing flight operations.

### *Medical evacuation.*

Medium and heavy lift helicopters returning from the affected area will have medical evacuation as a primary mission in order to clear medical beds within the affected area and evacuate critical patients to fixed medical facilities outside the affected area.

As reconnaissance of the surviving fixed assets in the two county area is concluded, Phase II will be the establishment of fixed wing cargo operations into the Crescent City, and Humboldt County airfields.

### *Phase II*

Limited fixed wing operations will begin to augment rotary wing operations. Light aircraft contracted from the civil sector, and Air National Guard (ANG) aircraft up to and including C-130 aircraft will begin moving bulk cargoes from Travis AFB; Redding; Medford, Oregon; and other designated airfields.

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## CONCEPT OF OPERATIONS, continued

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### *Phase 4 Quake + 96 To Quake Plus Two Weeks*

#### *Rotary wing assets.*

- Rotary wing assets will be dedicated to spot delivery of critical cargoes to isolated areas and the transport of injured persons from remote sites.

#### *Airfields.*

- The airfields will serve as main support areas, until normal commercial re-supply of all classes of supply are re-established.

#### *High priority cargo.*

- Light aircraft under contract will still be used for high priority cargoes and the movement of critical personnel.
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The overall transportation coordination occurs at Coastal REOC. U.S. DOT staffs the REOC and the FEMA Regional Operations Center. U.S. DOT will carry out coordination with federal agencies providing resources and need for movement.

U.S. DOT will coordinate with CNG by providing liaisons to each other and coordinating with Coastal REOC (U.S. DOT liaison to Sacramento CNG Headquarters).

Until the Disaster Field Office is established. ROC stands down; REOC still activated.

U.S. DOT will be coordinator for federal resources (DOD, USCG, USFS), commercial assets.

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## CONCEPT OF OPERATIONS: Phase 1 Quake To Quake + 24 Hours

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### *Communications and reconnaissance.*

- The California National Guard will establish long-range communications at Rohnerville, Crescent City and Humboldt County. Concurrently, reconnaissance of ground routes into the area and harbor conditions will be coordinated with local agency.

### *Surface restoration task force.*

- Based upon best available data, a surface restoration task force of heavy equipment directed by field operations will attempt to establish at least one lane of emergency surface road to Crescent City, Eureka, and Garberville from outside the affected area.

### *Shipping.*

- Available commercial passenger and cargo shipping will be contracted and dispatched to assist with emergency care and shelter, communications, water and food, and transport of bulk cargoes to the affected area.
  - Maritime assets will be tasked to re-supply.
  - Port access will be limited due to debris from the tsunami and hazardous materials spills in the harbor.
  - Verify that harbor depths have been checked prior to scheduling large vessels to enter or exit the harbor due to uplifting actions of an earthquake that may severely change the actual depth of water.
  - Humboldt County and Crescent City will need to re-establish pier access. (This will be a DOD or ACOE mission. They will build the pier and then bring in commercial assets).
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## CONCEPT OF OPERATIONS: Phase III: Quake + 48 To 96 Hours

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### *In-state medical evacuations.*

- In coordination with the Field Operations Section and Medical/Health Branch the Emergency Medical Services Authority will coordinate in-state medical evacuations with the local EMS Agency through the Regional Disaster Medical/Health Coordinator system and with National Disaster Medical System, as necessary.
  - Medical evacuations using the National Disaster Medical System should be implemented during this phase, when requested by the Emergency Medical Services Authority with air cargoes initially limited to lifesaving and life sustaining supplies, personnel, and equipment. Consideration will always be given first to in-state placement of medical evacuees. Out-of-state placement will only occur when in-state capacities have been exceeded.
  - Switch from a (priority based) push situation to a demand-based system.
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## CONCEPT OF OPERATIONS: Phase IV: Quake + 96 To Quake Plus Two Weeks

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### Tasks

In support of tactical operations, objectives to be accomplished during this phase are:

- Restoration of surface routes and port operations,
  - Demobilization of the air bridge (as bulk cargo capacity is re-established using surface routes), and
  - High volume tactical aircraft will be released to normal National Command authority missions.
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## CHAPTER 6

Through consultation with state agencies, the following represent anticipated state agency support requirements that could be utilized in support of disaster relief and recovery operations. These state agency taskings are grouped by phase. Chapter 7 consists of these same taskings; however, they are grouped by state agency, in alphabetical order.

### STATE AGENCY ACTION TABLE PHASE I: QUAKE TO QUAKE + 24 HOURS

PHASE I: QUAKE TO QUAKE + 24 HOURS		
Task	Who	Be Prepared To
Establish Mobilization Centers	California Department of Forestry and Fire Protection	<ul style="list-style-type: none"> <li>• Mobilize the north coast interagency logistical management support team.</li> <li>• Assign team to establish initial staging area at Rohnerville using local staff and fire cache located at Rohnerville.</li> <li>• Mobilize and deploy support assets to establish a Mobilization Center at Humboldt County and Crescent City.</li> <li>• Establish a Mobilization Center at Redding for the reception, coordination, and further movement of resources into the disaster area.</li> <li>• Identify and establish helibases at Redding Airport, Rohnerville, Humboldt County and Crescent City.</li> <li>• Establish helispots within the disaster area for distribution of incoming supplies, resources, and personnel.</li> <li>• Identify and order resources to expand operations to Humboldt County and Crescent City.</li> </ul>
	California National Guard	<ul style="list-style-type: none"> <li>• Deploy logistics Agency Representatives to provide port support at Humboldt County airfields and Crescent City.</li> <li>• Deploy engineer and damage assessment teams to air support locations.</li> </ul>

PHASE I: QUAKE TO QUAKE + 24 HOURS		
Task	Who	Be Prepared To
	California Conservation Corps	<ul style="list-style-type: none"> <li>• Mobilize all available California Conservation Corps resources within the disaster area.</li> <li>• Assign hand crews to assist California Department of Forestry in establishing initial staging area at Rohnerville using local staff and fire cache located at Rohnerville.</li> <li>• Mobilize hand crews and prepare to deploy in support of establishing an incident base and Mobilization Center at Humboldt County and Crescent City.</li> <li>• Dispatch crews with overhead to Mobilization Center at Redding Airport to assist with the loading, sorting, and packing for movement of resources into the disaster area.</li> <li>• Provide hand crews to assist helibase operations at Redding, Rohnerville, Humboldt County and Crescent City when requested.</li> <li>• Provide hand crews to established helispots within the disaster area to assist with distribution of incoming supplies, resources, and personnel.</li> <li>• Identify and order resources to expand operations to Humboldt County and Crescent City.</li> </ul>
Mobilize air operations	California National Guard	<ul style="list-style-type: none"> <li>• Deploy Agency Representatives to all affected Emergency Operations Centers, Regional Emergency Operations Centers, and State Operations Center.</li> <li>• Mobilize Tactical Air Lift Control Element team for Humboldt County.</li> <li>• Mobilize flight crews, air evacuation/air evacuation support medical assets, and all available rotary and fixed wing assets.</li> <li>• Mobilize and return to state control CA ANG C-130 and other fixed wing assets.</li> </ul>
Establish communications into the affected area	California National Guard	<ul style="list-style-type: none"> <li>• Construct high frequency and microwave links between Redding, Travis AFB, Crescent City, Humboldt County, Eureka, Arcata, Coastal Regional Emergency Operations Center, and State Operations Center as needed.</li> <li>• Provide and operate long-range communications and air to ground communications until relieved.</li> </ul>

PHASE I: QUAKE TO QUAKE + 24 HOURS		
Task	Who	Be Prepared To
	Department of Fish and Game	<ul style="list-style-type: none"> <li>• Radio repeater stations for Department of Fish and Game. Department of Fish and Game wardens can provide emergency communications relays using vehicle or hand held radios from the affected area to the Department of Fish and Game communication center in Sacramento.</li> </ul>
	Department of General Services	<ul style="list-style-type: none"> <li>• Identify existing and available state-owned transportation and communications assets to the Regional Emergency Operations Center Logistics Section.</li> <li>• Prioritize restoration of the state microwave net into the affected area.</li> <li>• Survey damage to key state radio systems (California Highway Patrol, California Department of Forestry, OES, Department of Transportation) and prioritize restoration.</li> </ul>
Coordinate medical evacuations	Department of Health Services and Emergency Medical Services Authority	<ul style="list-style-type: none"> <li>• Activate Joint Emergency Operations Center to coordinate statewide medical treatment, evacuation, and supply operations.</li> <li>• Activate Emergency Medical Services Authority and Department of Health Services response organization and Joint Emergency Operations Center checklists.</li> <li>• Activate Regional Disaster Medical Health Coordinator system.</li> <li>• Coordinate with the United States Public Health Service for the activation and deployment of Disaster Medical Assistance Teams and supporting Medical Support Unit.</li> <li>• Activate medical and health rapid assessment team.</li> <li>• Activate California Amateur Radio Emergency Services in and out of the affected area.</li> <li>• Request Department of General Services activate medical procurement system. Procure medical supplies and stage for delivery.</li> <li>• Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for movement of Disaster Medical Assistance Teams and other medical/health personnel and supplies.</li> </ul>

PHASE I: QUAKE TO QUAKE + 24 HOURS		
Task	Who	Be Prepared To
	California National Guard	<ul style="list-style-type: none"> <li>• Mobilize Battalion aid stations and medical companies of the division support battalions for forward deployments into the disaster area to provide base medical support and augment local capabilities.</li> <li>• Prepare to coordinate with Emergency Medical Services Authority long-range patient evacuation from the affected area to unaffected areas of the state and into the National Disaster Medical System hospitals.</li> </ul>
	Department of Corrections	<ul style="list-style-type: none"> <li>• Evaluate surplus capacity for emergency medical assistance at Pelican Bay.</li> </ul>
	Department of Health Services	<ul style="list-style-type: none"> <li>• Deploy inspection teams to inspect medical facilities . . CHECK WITH RAY NIKKEL, DHS</li> </ul>
	Office of Statewide Health Planning and Development	<ul style="list-style-type: none"> <li>• Deploy inspection teams to address acute care hospitals, skilled nursing and intermediate care facilities for structural, critical nonstructural, and fire and life safety issues.</li> </ul>
Conduct reconnaissance of the area	California Department of Transportation	<ul style="list-style-type: none"> <li>• Activate California Department of Transportation planning scenario checklist.</li> <li>• Evaluate road net within the disaster area.</li> <li>• Prioritize restoration of surface routes needed for emergency services.</li> <li>• Identify surviving agency resources within the disaster area.</li> <li>• Establish with local road departments a minimal road net that connects airfields of and Crescent City and Humboldt County with the impacted areas (in Humboldt and Del Norte counties).</li> <li>• Mobilize statewide agency resources.</li> <li>• Conduct reconnaissance of highways 101, 199, 299 and evaluate the possibility of creating a surface corridor into the affected area.</li> <li>• Identify a surface route passable by all wheel drive cargo carriers into the disaster area.</li> <li>• Identify needs for emergency bridges, ferries, and bypasses.</li> <li>• Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for supporting medical/health personnel dispatched to work in the affected area (e.g., ground transportation, food, lodging).</li> </ul>

PHASE I: QUAKE TO QUAKE + 24 HOURS		
Task	Who	Be Prepared To
	California National Guard	<ul style="list-style-type: none"> <li>• Provide aircraft with camera mount for air reconnaissance.</li> <li>• Conduct overflight of Crescent City and Humboldt County area with above.</li> </ul>
	California Department of Fish and Game and Department of Toxics Substances Control	<ul style="list-style-type: none"> <li>• Assist with identification of disaster hazardous materials impacts on response and recovery efforts.</li> <li>• As resources become available, coordinate oil spill and petroleum fuel recovery and clean-up operations.</li> <li>• Dispatch assessment teams into the area as needed.</li> </ul>
	Department of Fish and Game	<ul style="list-style-type: none"> <li>• If requested, use local Department of Fish and Game wardens to report oil and hazardous material spills for response by appropriate agencies</li> </ul>
	Department of General Services	<ul style="list-style-type: none"> <li>• Identify status of state-owned facilities in the affected area.</li> </ul>
Provide security support	California National Guard	<ul style="list-style-type: none"> <li>• Mobilize Military Police for base security missions at Mobilization Centers in Phase II.</li> <li>• Coordinate with OES Law Enforcement Branch regarding need for Law Enforcement Mutual Aid.</li> </ul>
	Department of Corrections	<ul style="list-style-type: none"> <li>• Evaluate surplus capacity for emergency law enforcement at Pelican Bay.</li> </ul>

**STATE AGENCY ACTION TABLE**  
**PHASE II: QUAKE TO 24 TO QUAKE TO 48 HOURS**

Through consultation with state agencies, the following represent anticipated state agency support requirements that could be utilized in support of disaster relief and recovery operations.

PHASE II: QUAKE TO 24 TO QUAKE TO 48 HOURS		
Task	Who	Be Prepared To
Establish fixed wing cargo operations	Department of Forestry and Fire Protection	<ul style="list-style-type: none"> <li>• Expand Mobilization Center and base operations at Crescent City and Humboldt County.</li> <li>• Establish helispots between Travis AFB and Redding at surviving road heads outside the disaster area to minimize blade time on rotary wing assets flying into the disaster area.</li> <li>• Release rotary wing assets and reassign them to support distribution efforts within the disaster area.</li> </ul>
	California National Guard	<ul style="list-style-type: none"> <li>• Deploy available follow-on forces to conduct medical air evacuation operations.</li> <li>• Deploy available follow-on forces to conduct air traffic control operations through Phase IV</li> </ul>
		•
Establish communications	California National Guard	<ul style="list-style-type: none"> <li>• Establish long-range communications.</li> </ul>
Establish transportation into the affected area	Department of Transportation	<ul style="list-style-type: none"> <li>• Open at least one surface route into the greater Eureka area and Crescent City.</li> <li>• Assist affected Operational Areas in opening internal critical routes for life safety and population protection.</li> <li>• Identify alternate surface route into the affected areas to allow daylight transport of bulk cargo by commercial carrier.</li> <li>• Work with California Highway Patrol regarding convoys as routes become available.</li> <li>• Establish relationship with Oregon Department of Transportation.</li> </ul>

PHASE II: QUAKE TO 24 TO QUAKE TO 48 HOURS		
Task	Who	Be Prepared To
Provide logistical support	Department of General Services	<ul style="list-style-type: none"> <li>• Establish centralized Petroleum, Oil and Lubricants accounts to support all state agency operations during Phases I-IV.</li> <li>• Establish centralized food and water accounts to provide centralized purchasing and payment of all food and water needed to support incident personnel in or deployed to the affected area.</li> <li>• Provide affected Operational Areas a list of available state surplus to assist in rebuilding Operational Area capabilities.</li> <li>• Activate medical procurement system and purchase supplies of all-pharmaceuticals and medical supplies in support of Emergency Medical Services Authority/Department of Health Services Joint Emergency Operations Center.</li> </ul>
	Department of Corrections	<ul style="list-style-type: none"> <li>• Evaluate surplus capacity for emergency shelter at Pelican Bay.</li> <li>• Evaluate surplus capacity for emergency Food Services at Pelican Bay.</li> <li>• Evaluate surplus capacity for emergency manpower at Pelican Bay.</li> </ul>
	California Conservation Corps	<ul style="list-style-type: none"> <li>• Establish at each Mobilization Center a pool of available crews to assist Operational Areas in performing emergency missions.</li> </ul>
Establish port operations	California National Guard	<ul style="list-style-type: none"> <li>• Deploy available follow-on forces to conduct port operations.</li> <li>• Deploy available follow-on forces to conduct port security operations.</li> <li>• Deploy available follow-on forces to conduct base support port operations.</li> </ul>

**STATE AGENCY ACTION TABLE  
PHASE III: QUAKE + 48 TO 96 HOURS**

Through consultation with state agencies, the following represent anticipated state agency support requirements that could be utilized in support of disaster relief and recovery operations.

PHASE III: QUAKE + 48 TO 96 HOURS		
Task	Who	Be Prepared To
Mobilization Centers/Aerial Port Operations	California National Guard	<ul style="list-style-type: none"> <li>• Plan integration of available Department of Defense Title 10 Units into the Mobilization Center/Aerial Port Operations.</li> </ul>
Provide transportation into the affected area	Department of Transportation	<ul style="list-style-type: none"> <li>• Open at least one daylight accessible commercial carrier route into both the Eureka and Crescent City Area.</li> <li>• Continue support operations to Operational Areas.</li> <li>• Coordinate a surface traffic control plan with the California Highway Patrol to control traffic in and out of the affect areas.</li> </ul>
Coordinate in-state medical evacuation	Department of Health Services and Emergency Medical Services Authority	<ul style="list-style-type: none"> <li>• Assess, in coordination with the local health officers, public heath and medical threats in the disaster area. This may include unsafe water supplies, including damage to water systems and medically fragile requiring sheltering.</li> <li>• Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for movement of Disaster Medical Assistance Teams and other medical/health personnel and supplies.</li> <li>• Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for supporting medical/health personnel dispatched to work in the affected area (e.g., ground transportation, food, lodging).</li> <li>• Prepare demobilization plan for deployed Disaster Medical Assistance Teams and other state/federal medical/health assets.</li> <li>• Identify long-term logistical requirements to support medical/health response.</li> <li>• Continue medical evacuation as required.</li> </ul>

PHASE III: QUAKE + 48 TO 96 HOURS		
Task	Who	Be Prepared To
Continue support of Mobilization Centers	Department of Forestry and Fire Protection	<ul style="list-style-type: none"> <li>Integrate federal resources into the base and Mobilization Center structures.</li> <li>Maintain base support operations at all Mobilization Centers until relieved.</li> </ul>
	California Conservation Corps	<ul style="list-style-type: none"> <li>Crews continue to assist base support operations at all mobilization centers until relieved.</li> </ul>
Demobilize helispots and air terminal operations	Department of Forestry and Fire Protection	<ul style="list-style-type: none"> <li>Plan demobilization of helispots and rotary wing cargo distribution operations as surface routes are restored.</li> <li>Plan reduction or demobilization of air terminal operations with federal counterparts as surface routes are restored.</li> </ul>
	California National Guard	<ul style="list-style-type: none"> <li>Plan integration of available Department of Defense Title 10 Units into the Mobilization Center/Aerial Port Operations.</li> <li>Continue Phase II missions.</li> </ul>
	California Conservation Corps	<ul style="list-style-type: none"> <li>Plan rehabilitation and reassignment of base support crews when they are relieved with other agency or federal assets.</li> </ul>
Provide logistical support	Department of General Services	<ul style="list-style-type: none"> <li>Provide technical assistance in dealing with donated supplies and materials.</li> <li>Provide warehouse and transport of essential purchased supplies to the disaster support area at Travis AFB and Redding County Airfields.</li> <li>Coordinate with federal General Services Administration for access to critical supplies and materials.</li> </ul>
	Department of Corrections	<ul style="list-style-type: none"> <li>Report identified surpluses through agency Department Operations Center to Regional Emergency Operations Center Logistics.</li> <li>Be prepared to provide surplus capacity to the Del Norte Operational Area in support of disaster relief operations.</li> </ul>
	Department of Fish and Game and Department of Toxics Substances Control	<ul style="list-style-type: none"> <li>Coordinate Regional Emergency Operations Center Logistics to share current resource/contractor directory to meet emergency needs in the affected area.</li> </ul>

STATE AGENCY ACTION TABLE  
 PHASE IV: QUAKE + 96 TO QUAKE PLUS TWO WEEKS

Through consultation with state agencies, the following represent anticipated state agency support requirements that could be utilized in support of disaster relief and recovery operations.

PHASE IV: QUAKE + 96 TO QUAKE PLUS TWO WEEKS		
Task	Who	Be Prepared To
Demobilize air bridge	California National Guard	<ul style="list-style-type: none"> <li>• As airfield and local capabilities return, turn over or contract functions to local contractors.</li> <li>• Coordinate a general demobilization plan of California National Guard assets and be prepared to execute or order same.</li> <li>• Release high volume tactical aircraft to normal National Command Authority missions.</li> <li>• Coordinate relief of redundant California National Guard assets by Title 10 military.</li> </ul>
Demobilize Mobilization Centers	Department of Forestry and Fire Protection	<ul style="list-style-type: none"> <li>• Demobilize bases and centers when adequate commercial re-supply of all necessary categories is available.</li> </ul>
	California Conservation Corps	<ul style="list-style-type: none"> <li>• Demobilize hand crews at bases and centers when adequate commercial re-supply of all necessary categories is available.</li> <li>• Rest and rehab base crews.</li> <li>• Reassign hand crews from bases to general support of Operational Area operations, as requested by Operational Areas.</li> </ul>
	Department of Health Services and Emergency Medical Services Authority	<ul style="list-style-type: none"> <li>• Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for returning deployed medical/health personnel and bringing back evacuated patients</li> </ul>
Provide logistical support	Department of Fish and Game and Department of Toxics Substances Control	<ul style="list-style-type: none"> <li>• Coordinate Regional Emergency Operations Center Logistics to share current resource/contractor directory to meet emergency needs in the affected area.</li> </ul>
		<ul style="list-style-type: none"> <li>•</li> </ul>

## CHAPTER 7

### STATE AGENCY TASKINGS

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**Background** Through the Governor's authority to assign to a state agency any activity concerned with the mitigation of the effects of an emergency of a nature related to the existing powers and duties of such agency, this chapter lists the potential state agency taskings in response to a Cascadia-driven event.

Through consultation with state agencies, the following represent anticipated state agency support requirements that could be utilized in support of disaster relief and recovery operations.

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**Plan development** State agencies are required to develop any supporting plans required to carry out their jurisdictional or anticipated or role as outlined this chapter and Chapter 5, Concept of Operations. See also Governor's Executive Order W-9-91.

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**State agencies** Following is the list of state agencies and their potential taskings. Note that this chapter contains the same information as that presented in Chapter 6; however, this chapter groups state agency taskings by state agency, in alphabetical order.

No.	Agency	Page
1	California Conservation Corps	35-36
2	California Department of Corrections	37
3	California Department of Fish and Game	38
4	California Department of Forestry and Fire Protection	39-40
5	California Department of General Services	41-42
6	California Department of Health Services	43-45
7	Emergency Medical Services Authority	43-45
8	California Department of Transportation	46
9	California National Guard	47-48
10	Department of Toxics Substances Control	38
11	Governor's Office of Emergency Services	40
12	Office of Statewide Health Planning and Development	50

## STATE AGENCY TASKINGS

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### Instructions

Following are instructions common to all state agency responders:

- Identify available and uncommitted resources through agency Department Operations Center to the Regional Emergency Operations Center.
- Report status of all assigned missions to the Regional Emergency Operations Center.
- Dispatch all resources as self-contained as possible.
- Track all expenditures of supplies, personnel, materials, force account equipment, and overtime for all disaster related activities, in order to file for reimbursement.
- Responders will dispatch with rations and water sufficient for 72 hours.

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## CALIFORNIA CONSERVATION CORPS

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### Phase I

#### Quake + 24 Hours

- Mobilize all available California Conservation Corps resources within the disaster area.
  - Assign hand crews to assist California Department of Forestry in establishing initial staging area at using local staff and fire cache located at Rohnerville.
  - Mobilize hand crews and prepare to deploy in support of establishing an incident base and Mobilization Center at Humboldt County and Crescent City.
  - Dispatch crews with overhead to Mobilization Center at Redding to assist with the loading, sorting, and packing for movement of resources into the disaster area.
  - Provide hand crews to assist helibase operations at Redding, Rohnerville, Humboldt County, and Crescent City when requested.
  - Provide hand crews to established helispots within the disaster areas to assist with distribution of incoming supplies, resources, and personnel.
  - Identify and order resources to expand operations to Humboldt County and Crescent City.
- 

### Phase II

#### Quake to 24 to Quake to 48 Hours

Establish at each Mobilization Center a pool of available crews to assist Operational Areas in performing emergency missions. Be prepared to perform other missions as assigned.

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### Phase III

#### Quake + 48 to 96 Hours

- Crews continue to assist base support operations at mobilization centers until relieved.
  - Plan rehabilitation and reassignment of base support crews when they are relieved with other agency or federal assets.
  - Be prepared to perform other missions as assigned.
- 

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## CALIFORNIA CONSERVATION CORPS, continued

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### Phase IV

#### Quake + 96 to Quake Plus Two Weeks

- Demobilize hand crews at bases and centers when adequate commercial re-supply of all necessary categories is available.
  - Rest and rehab base crews.
  - Reassign hand crews from bases to general support of Operational Area operations.
  - Be prepared to perform other missions as assigned.
-

## CALIFORNIA DEPARTMENT OF CORRECTIONS

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### Phase I

#### Quake to Quake + 24 Hours

- Evaluate surplus capacity for emergency shelter at Pelican Bay.
- Evaluate surplus capacity for emergency Food Services at Pelican Bay.
- Evaluate surplus capacity for emergency Medical Assistance at Pelican Bay.
- Evaluate surplus capacity for emergency manpower at Pelican Bay.
- Evaluate surplus capacity for emergency Law Enforcement at Pelican Bay.

### Phase II-IV

- Report identified surpluses through agency Department Operations Center to Regional Emergency Operations Center.
  - Be prepared to provide surplus capacity to the Del Norte Operational Area in support of disaster relief operations.
-

CALIFORNIA DEPARTMENT OF FISH AND GAME and  
DEPARTMENT OF TOXICS SUBSTANCES CONTROL

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Phases I-IV

- Identify disaster hazardous materials impacts on response and recovery efforts.
  - As resources become available coordinate oil spill and petroleum fuel recovery and clean up operations.
  - Coordinate with Regional Emergency Operations Center Logistics to share current resource/contractor directory to meet emergency needs in the affected area.
  - Dispatch assessment teams into the area as needed.
- 

DFG Phase I

- Establish communications into the affected area.
  - Department of Fish and Game wardens can provide emergency communications relays using vehicle or hand held radios from the affected area to the Department of Fish and Game Communication Center in Sacramento
- 

DFG Phase II

- Conduct reconnaissance of the area.
  - Use local Department of Fish and Game wardens to report oil and hazardous material spills for response by appropriate agencies.
  - Department of Fish and Game wardens are available for law enforcement mutual aid.
  - Use Department of Fish and Game Communications Center to relay messages concerning oil and hazardous materials spills.
  - Department of Fish and Game aircraft are available for emergency flights.
-

## CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

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### Phase I

#### Quake to Quake + 24 Hours

- Mobilize the north coast interagency logistical management support team.
  - Assign team to establish initial staging area at Rohnerville using local staff and cache located at Rohnerville.
  - Mobilize and deploy support assets to establish a Mobilization Center at Humboldt County and Crescent City.
  - Establish a Mobilization Center at Redding for the reception, coordination, and further movement of resources into the disaster area.
  - Establish helibases at Redding Airport, Rohnerville, Humboldt County and Crescent City.
  - Establish helispots within the disaster area for distribution of incoming supplies, resources, and personnel.
  - Identify and order resources to expand operations to Humboldt County and Crescent City.
  - Be prepared to perform other missions as assigned.
- 

### Phase II

#### Quake to 24 to Quake to 48 Hours

- Expand Mobilization Center and base operations at Crescent City and Humboldt County.
  - Establish helispots (use transportation links) between Travis AFB and Redding at surviving road heads outside the disaster area.
  - Release rotary wing assets and reassign them to support distribution efforts within the disaster area.
  - Be prepared to perform other missions as assigned.
- 

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- CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION, continued
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Phase III                      Quake + 48 to 96 Hours

- Integrate federal resources into the base and Mobilization Center structures.
  - Maintain base support operations at all Mobilization Centers until relieved.
  - Plan demobilization of helispots and rotary wing cargo distribution operations as surface routes are restored.
  - Plan reduction or demobilization of air terminal operations with federal counterparts as surface routes are restored.
  - Be prepared to perform other mission as assigned.
- 

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Phase IV                      Quake + 96 to Quake Plus Two Weeks

- Demobilize bases and centers when adequate commercial re-supply of all necessary categories is available.
  - Be prepared to perform other missions as assigned.
-

## CALIFORNIA DEPARTMENT OF GENERAL SERVICES

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### Phase I

#### Quake to Quake + 24 Hours

- Identify existing and available state owned transportation and communications assets to the Regional Emergency Operations Center Logistics Section.
  - Prioritize restoration of the state microwave net into the affected area.
  - Survey damage to key state radio systems (California Highway Patrol, California Department of Forestry, OES, Department of Transportation) and prioritize restoration.
  - Identify status of state-owned facilities in the affected area.
- 

### Phase II

#### Quake + 24 to Quake + 48 Hours

- Establish centralized Petroleum, Oil and Lubricants accounts to support all state agency operations during Phases I-IV.
  - Establish centralized food and water accounts to provide centralized purchasing and payment of all food and water needed to support incident personnel in or deployed to the affected area.
  - Provide affected local jurisdictions a list of available state surplus to assist in rebuilding Operational Area capabilities.
  - Request Department of General Services activate medical procurement system. Procure medical supplies and stage for delivery of pharmaceuticals and medical supplies in support of Emergency Medical Services Authority/Department of Health Services Joint Emergency Operations Center.
- 

### Phase III

#### Quake + 48 to 96 Hours

- Provide technical assistance in dealing with donated supplies and materials.
  - Provide warehouse and transport of essential purchased supplies to the Mobilization Center at Travis AFB and Redding County Airfields.
  - Coordinate with federal General Services Administration for access to critical supplies and materials.
- 

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CALIFORNIA DEPARTMENT OF GENERAL SERVICES, continued

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Phase IV

Quake + 96 to Quake Plus Two Weeks

- Continue Phase I-III Missions
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CALIFORNIA DEPARTMENT OF HEALTH SERVICES and  
EMERGENCY MEDICAL SERVICES AUTHORITY

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Phase I

Quake to Quake + 24 Hours

- Activate Joint Emergency Operations Center to coordinate statewide medical treatment, evacuation, and supply operations.
- Activate Emergency Medical Services Authority and Department of Health Services response organization and Joint Emergency Operations Center checklists.
- Activate Regional Disaster Medical Health Coordinator system.
- Coordinate with the United States Public Health Service for the activation and deployment of Disaster Medical Assistance Teams and supporting Medical Support Unit.
- Activate medical and health rapid assessment team.
- Activate California Amateur Radio Emergency Services in and out of the affected area.
- Request Department of General Services activate medical procurement system. Procure medical supplies and stage for delivery.
- Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for movement of Disaster Medical Assistance Teams and other medical/health personnel and supplies.
- Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for supporting medical/health personnel dispatched to work in the affected area (e.g., ground transportation, food, lodging).

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CALIFORNIA DEPARTMENT OF HEALTH SERVICES and  
EMERGENCY MEDICAL SERVICES AUTHORITY, continued

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Phase II

Quake + 24 to Quake + 48 Hours

- Establish daily medical operations conference calls to identify ongoing logistical support needs.
  - Identify available medical/health personnel through Department of Health Services, Regional Disaster Medical Health Coordinator system, and National Disaster Medical System, if necessary.
  - Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for movement of Disaster Medical Assistance Teams and other medical/health personnel and supplies.
  - Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for supporting medical/health personnel dispatched to work in the affected area (e.g., ground transportation, food, lodging).
- 

Phase III

Quake + 48 to 96 Hours

- Assess, in coordination with the local health officers, public health and medical threats in the disaster area. This may include unsafe water supplies, including damage to water systems and medically fragile requiring sheltering.
  - Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for movement of Disaster Medical Assistance Teams and other medical/health personnel and supplies.
  - Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for supporting medical/health personnel dispatched to work in the affected area (e.g., ground transportation, food, lodging).
  - Prepare demobilization plan for deployed Disaster Medical Assistance Teams and other state/federal medical/health assets.
  - Identify long-term logistical requirements to support medical/health response.
  - Continue medical evacuation as required.
- 

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CALIFORNIA DEPARTMENT OF HEALTH SERVICES and  
EMERGENCY MEDICAL SERVICES AUTHORITY

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Phase IV

Quake + 96 to Quake Plus Two Weeks

- Request logistical support through OES Regional Emergency Operations Center Logistics as necessary for returning deployed medical/health personnel and bringing back evacuated patients.
-

# CALIFORNIA DEPARTMENT OF TRANSPORTATION

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## Phase I

### Quake to Quake + 24 Hours

- Activate CalTrans planning scenario checklist.
  - Evaluate road net within the disaster area.
  - Prioritize restoration of surface routes needed for emergency services.
  - Identify surviving agency resources within the disaster area.
  - Establish with local road departments a minimal road net that connects airfields of Crescent City?? and Humboldt County with the impacted areas (in Humboldt and Del Norte Counties).
  - Mobilize statewide agency resources.
  - Conduct reconnaissance of highways 101, 199, 299 and evaluate the possibility of creating a surface corridor into the affected area.
  - Identify a surface route passable by all wheel drive cargo carriers into the disaster area.
  - Identify needs for emergency bridges, ferries, and bypasses.
- 

## Phase II

### Quake to 24 to Quake to 48 Hours

- Open at least one surface route into the greater Eureka area and Crescent City.
  - Assist Operational Areas in the affected area in opening internal critical routes for life safety and population protection.
  - Identify alternate surface route into the affected areas to allow daylight transport of bulk cargo by commercial carrier.
  - Work with California Highway Patrol regarding convoys as routes become available.
  - Establish relationship with Oregon Department of Transportation.
- 

## Phase III

### Quake + 48 to 96 Hours

- Open at least one daylight accessible commercial carrier route into both the Eureka and Crescent City Area.
  - Continue support operations to Operational Areas.
  - Coordinate a surface traffic control plan with the California Highway Patrol to control traffic in and out of the affected areas.
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## CALIFORNIA NATIONAL GUARD

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### Phase I

#### Quake to Quake + 24 Hours

- Deploy Agency Representatives to all affected Emergency Operations Centers, Regional Emergency Operations Centers, and State Operations Center.
- Provide aircraft with camera mount for air reconnaissance.
- Conduct overflight of Eureka-Arcata area with above.
- Mobilize TALCE team for Crescent City and /Humboldt County.
- Mobilize flight crews, air evacuation/air evacuation support medical assets, and all available rotary and fixed wing assets.
- Mobilize and return to state control CA ANG C-130 and other fixed wing assets.
- Construct high frequency (HF) and microwave links between Redding, Travis AFB, Crescent City, Humboldt County, Eureka, Arcata, Coastal Regional Emergency Operations Center, and State Operations Center as needed.
- Provide and operate long-range communications and air to ground communications until relieved.
- Mobilize Military Policy for base security missions at Mobilization Centers in Phase II.
- Coordinate with OES Law Enforcement Branch regarding need for Law Enforcement Mutual Aid.
- Mobilize Battalion aid stations and medical companies of the division support battalions for forward deployments into the disaster area to provide base medical support and augment local capabilities.
- Prepare to coordinate with Emergency Medical Services Authority long-range patient evacuation from the affected area into the National Disaster Medical System hospitals and regional trauma centers.
- Deploy logistic Agency Representatives to provide port support at Humboldt County airfields and Crescent City.
- Deploy engineer and damage assessment teams to Murray Field.

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## CALIFORNIA NATIONAL GUARD, continued

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### Phase II

#### Quake to 24 to Quake to 48 Hours

- Deploy available follow-on forces to conduct port operations.
  - Deploy available follow-on forces to conduct medical air evacuation operations.
  - Deploy available follow-on forces to conduct port security operations.
- 

### Phase III

#### Quake + 48 to 96 Hours

- Deploy available follow-on forces to conduct base support port operations.
  - Deploy available follow-on forces to conduct ATC operations through Phase IV.
  - Plan integration of available Department of Defense Title 10 Units into the Mobilization Center/Aerial Port Operations.
  - Continue Phase II Missions.
- 

### Phase IV

#### Quake + 96 to Quake Plus Two Weeks

- Coordinate relief of redundant California National Guard assets by Title 10 military.
  - As airfield and local capabilities return, turn over or contract functions to local contractors.
  - Coordinate a general demobilization plan of California National Guard assets and be prepared to execute on order same.
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## GOVERNOR'S OFFICE OF EMERGENCY SERVICES

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### Tasks to be Performed by OES Regional Emergency Operations Center and State Operations Center

- Task all state agencies involved to execute assigned portions of this protocol upon local request for assistance.
  - Issue mission taskings on Response Information Management System to all involved state agencies for Phase I activities.
  - Coordinate activation of Federal Response Plan with the Federal Emergency Management Agency Region IX to activate Emergency Support Functions 1 through 12 in support of this protocol.
  - In coordination with OES Disaster Assistance Division, request Governor to proclaim an event-triggered State of Emergency and request a federal Major Disaster declaration.
  - Request from federal government a list of all available support assets that could be utilized in support of disaster relief operations, especially aircraft, runway repair, air terminal operations, amphibious over the beach, rotary wing, ocean cargo and troop carrier capabilities.
  - Initiate situation reports and appropriate mission requests from the State Operations Center and all three Regional Emergency Operations Centers: Coastal to manage regional response, Inland and Southern to manage regional response and to mobilize mutual aid resources to assist affected Operational Areas in coordination with Coastal Region.
  - Assess the desirability to activate a significant number of California National Guard.
  - Consider contracts with available cruise lines to provide emergency shelter off shore for displaced populations in excess of local shelter capability.
  - In coordination with the Department of General Services, consider contracts with freight companies for use of light cargo aircraft to support fixed wing movement of critical supplies.
  - As necessary, task California Department of Forestry North Operations to contract with all available commercial rotary wing assets to augment the California National Guard fleet.
  - As necessary, activate system to receive donated supplies and materials.
  - As necessary, activate system to process convergent volunteers.
  - Coordinate with the State of Oregon as necessary (FEMA Region X coordinating body).
-

## OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

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### Phases I-IV

- Deploy inspections to address acute care hospitals, skilled nursing and intermediate care facilities for structural, critical nonstructural, and fire and life safety issues.
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## CHAPTER 8

### Anticipated Support Requirements From Federal Emergency Support Functions (ESFs)

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#### Background

Following is a listing of anticipated support requirements from the federal Emergency Support Functions that could be utilized in support of disaster relief operations. These assets can include aircraft, runway repair, air terminal operations, amphibious over the beach, rotary wing, ocean cargo and troop carrier capabilities.

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#### ESF 1 Transportation

- Mobilize federally controlled tactical airlift assets (rotary and fixed wing).
  - Coordinate with Maritime Sealift Command and U.S. Navy for deployment of available surface support shipping to the disaster area.
  - Coordinate harbor restoration and over-the-beach supply operations if available.
  - Establish a disaster area wide system of air traffic control to maintain efficient and safe air operations.
  - Augment California rotary and fixed wing with available federal assets.
  - Make available airfield repair, aerial port operations, and air traffic control teams to sustain the Mobilization Center operations in the disaster area.
  - Coordinate with Oregon Department of Transportation to assist as necessary.
- 

#### ESF 2 Communications

- Augment Operational Area and Mobilization Center communication resources with federally controlled fire cache radio systems, and repeater systems.
  - Augment Operational Area and Mobilization Center communications resources with multi-line satellite communications (SATCOM) phone systems.
  - Provide technical assistance to restore public and private communication systems within the disaster area.
  - Coordinate with United States Navy the provision of a command and control ship for initial transition to recovery and Disaster Field Office operations.
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## Anticipated Support Requirements From Federal Emergency Support Functions (ESFs), continued

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### ESF 3 Public Works/Engineering

- Provide technical assistance in regaining and maintaining airfield capability.
  - Coordinate the provision of Department of Defense airfield repair units to each of the Mobilization Centers.
  - Coordinate the provision of heavy engineering assets to reopen the ports at Eureka and Crescent City.
- 

### ESF 4 Fire Fighting

- Mobilize and provide the United States Forest Service to assist in the Mobilization Center operations.
  - Mobilize and provide access to the United States Forest Service logistics/fire cache system to support disaster operations.
  - Mobilize and provide United States Forest Service air attack resources for either air attack or cargo operations.
  - Activate United States Forest Service Overhead Teams, Strike Teams and Logistics Teams to augment state response into and in support of the disaster area.
- 

### ESF 5 Information and Planning

- Assist the state by authorizing and providing federally controlled air and satellite reconnaissance assets.
  - Provide the state with information summaries on area federal agencies and activities.
  - Provide the State with available federal resources and their anticipated arrival times (Department of Transportation time-phased deployment list data).
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## Anticipated Support Requirements From Federal Emergency Support Functions (ESFs), continued

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### ESF 6 Mass Care

- Coordinate national level activities to provide emergency care and shelter with the American Red Cross.
  - Coordinate with the United States Navy or commercial assets to provide aboard ship shelter for displaced populations to augment state and Operational Area capabilities.
  - Coordinate with the State and Operational Area to implement a survivors information service to inform out of area family and friends as to survivor status.
- 

### ESF 7 Resource Support

- Dispatch, if available, Naval surface units with medical, air, shore support or maintenance capabilities as coordinated with the State Operations Center.
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### ESF 8 Health and Human Services

- Make available the medical push package, including DMATs and the Management Support Team; transport, and support the same.
  - Activate the National Disaster Medical System to support out-of-area patient evacuation as needed.
  - Make available Department of Defense air transportable medical teams to augment state and Operational Area medical capabilities.
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### ESF 9 USAR

- Coordinate the provision, transport, and mobilization of national Urban Search and Rescue support of state and Operational Area operations.
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### ESF 10 Hazardous Materials

- Coordinate provision of United States Coast Guard and Environmental Protection Agency Region IX assets in support of HazMat/Oil spill operations.
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## Anticipated Support Requirements From Federal Emergency Support Functions (ESFs), continued

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### ESF 11 Food

- Provide technical expertise in restoring food supply system in the disaster area.
  - Provide, if needed, access to the federal surplus food program to assist displaced populations in shelters.
  - Provide, if possible, temporary access to the U.S. Department of Agriculture food stamp program for disaster victims.
- 

### ESF 12 Energy

- Provide technical expertise and services in assisting the restoration of the power grid, gas services, and fuel within the disaster area.
  - Access as needed federal resources for emergency power generation, fuel, and bulk transport of emergency supplies of liquefied petroleum gas.
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## CHAPTER 9

### SUPPLY

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Background	<p>The following describes a method to organize supplies to support the Cascadia operations. These categories, which are similar to those used by military logistics, should be used throughout the duration of operations.</p> <hr/>
Class One	<p>Food, Water, Subsistence</p> <ul style="list-style-type: none"><li>• All state responders and elements will deploy with 72 hours of emergency rations and water into the disaster area.</li><li>• Meals Ready to Eat will be purchased by Department of General Services in coordination with General Services Administration (ESF 11) and issued to all deploying units or to replenish agency-owned stocks deployed into the area.</li><li>• Commercial reverse osmosis units will be a priority rental/purchase item by State Operations Center Logistics to alleviate need for moving bulk potable water into the disaster area.</li></ul> <hr/>
Class Two	<p>Clothing, individual equipment, tentage, tool kits, and housekeeping supplies</p> <ul style="list-style-type: none"><li>• All deploying elements will bring required tentage and sleeping bags to support deploying personnel.</li><li>• Units will deploy with the maximum practical amount of organizational tool kits and equipment consistent with the available space and weight determined by the available mode of transportation.</li><li>• Due to the nature of the emergency, Class Two is expected not to be available within the disaster area, or to be allocated to affected population first.</li></ul> <hr/>

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## SUPPLY, continued

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### Class Three

#### Fuels, Oils, Lubricants

- California Department of Forestry and California National Guard have as a priority mission to evaluate adequacy of fuel supplies available commercially to support operations.
  - California Department of Forestry and California National Guard will have priority on petroleum, oil, and lubricants transported into the area to ensure the establishment of the rotary wing air bridge and subsequent local distribution network for emergency supplies.
  - Fuel re-supply into the area will be considered a top priority mission.
  - California Department of Forestry and California National Guard will establish Forward Area Re-Fuel Points as near to the disaster area as possible along surviving segments of the surface access routes.
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### Class Four

#### Construction Materials.

- Finished wood products should be readily available for purchase in the affected area.
  - Sand, gravel, and cement products are produced locally.
  - Sandbags and visquine are of limited availability.
  - All other construction materials will need to be transported in to avoid depleting needed local supplies.
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### Class Five

#### Pyrotechnics and ammunition.

- Pyrotechnics needed to support helibase and helispot operations will not be available locally.
  - Small arms ammunition for security forces should be carried in accordance with agency basic loads.
  - Demolition supplies are very limited locally and if needed should be transported in for road, debris, or harbor clearance operations.
  - Each Mobilization Center will designate a safe and secure location for Class Five storage.
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## SUPPLY, continued

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### Class Six

#### Personal Demand Items

- Worker comfort packs of toiletries, soaps, sunscreens, insect repellent, and laundry items should be provided by California Department of Forestry during Phase III to all state responders.
  - Small radios should be purchased locally if needed.
  - Mobilization Center rest and recreation facilities can be established at the base commander's discretion.
- 

### Class Seven

#### Major End Items.

- Major End Items of heavy equipment not available but required for emergency operations should be acquired in the following manner:
    - Rented by the using agency from a local commercial vendor.
    - Borrowed from an allied federal agency.
    - Purchased from a local commercial vendor.
    - Ordered from agency Department Operations Center.
    - Ordered from Regional Emergency Operations Center Logistics.
- 

### Class Eight

#### Medical supplies

- Medical supplies needed to support Mobilization Center operations will be transported with the deploying units during Phase I. (EMSA – what are these? Supplies that stay at the Mob Center?)
  - All other Class Eight supplies will be ordered through agency channels.
  - Class Eight supplies to support response will be coordinated through the Department of Health Services/Emergency Medical Services Authority Joint Emergency Operations Center.
  - Porta potties will be locally contracted for when possible; additional porta potties will be brought in from outside the Operational Area only if needed.
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## SUPPLY, continued

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### Class Nine

#### Repair Parts.

- Repair parts will be coordinated through the Mobilization Center Base Support unit logistics section.
  - Parts not on hand will be initially purchased locally.
  - Parts not available will be order through the agency Department Operations Center.
  - Parts needed to support Mobilization Center operations upon the declaration of a federal emergency should also be available through the federal General Services Administration.
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## CHAPTER 10

### SERVICES

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#### Background

The following describes a method to organize services to support the Cascadia operations. These categories, which are similar to those used by military logistics, should be used throughout the duration of operations.

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#### Transportation

- Responsibility of the agencies tasked to provide transportation resources (California Department of Forestry and California National Guard) at the Mobilization Centers (vs. agencies tasked for specific).
  - Use of contracted commercial assets are encouraged to augment agency resources.
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#### Communication

- Intra-agency communication will be coordinated by the allied state agencies through the OES Information Technology Branch.
  - Priority for portable OASIS trailers given to each of the three primary Mobilization Centers/Aerial Ports with priority going to Rehnerville, Crescent City, Humboldt then Murray Field.
  - One or more trailers shall be assigned to support each center.
  - RIMS will be the primary coordination tool for documenting and tracking state agency disaster relief efforts.
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#### Traffic control

- Area within the Mobilization Center is the base security detachment's responsibility.
  - Ground traffic control rests with CalTrans and California Highway Patrol.
  - Air traffic control will be coordinated with the Federal Aviation Administration by the California National Guard.
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## SERVICES, continued

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### Billeting

- Each Mobilization Center must be fully capable of billeting assigned personnel and contractors.
- Billeting at Mobilization Center locations, Travis AFB, Redding, and Crescent City and Humboldt County will be primarily by commercial vendor, secondly by base housing, lastly by temporary housing in tents.

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### Maintenance

- All deploying elements shall coordinate maintenance requirements with Mobilization Center service branch.
- Where possible, maintenance personnel and 96 hours of essential parts shall accompany the deploying element or unit.

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### Livestock support

- Use of local contract packers for remote re-supply is encouraged.
- Packer must be self sufficient in supporting their animals.
- Local requests for livestock support will be forwarded through the Operational Area EOC to the Regional Emergency Operations Center.

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### Medical

- The California National Guard is responsible for establishing clinic level care to support each Mobilization Center.
- Base or civilian contractor will provide medical support at the Mobilization Center for deployed state and federal personnel.

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### Search and Rescue

- Urban Search and Rescue teams will have second priority for airlift after movement of Disaster Medical Assistance Team Teams is completed.
  - Mobilization Centers will be tasked to support them (the Urban Search and Rescue teams) with rest and rehabilitation services.
  - Urban Search and Rescue operations will be coordinated through the Fire Branch of the Regional Emergency Operations Center and State Operations Center in support of the Operational Area.
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## ANNEXES

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Annex A	Executive Summary, CDMG Special Report 115, 1995
Annex B	Communications Plan (to be developed)
Annex C	Coastal Region Initial Action Checklist
Annex D	State Operations Center Initial Action Checklist
Annex E	Pre-deployment list (to be developed)
Annex F	List of acronyms

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## ACRONYMS

Acronym	Title
AFB	Air Force Base
ANG C-130	Air National Guard (C-130 is a cargo aircraft)
APOE	Airport of Embarkation
CalTrans	California Department of Transportation
CCC	California Conservation Corps
CDF	California Department of Forestry and Fire Protection
CDMG	California Department of Mines and Geology
CHP	California Highway Patrol
CNG	California National Guard
DGS	Department of General Services
DHS	Department of Health Services
DMAT	Disaster Medical Assistance Team
DOC	Department Operations Center
DOD	Department of Defense
DOT	Department of Transportation
DSA	Disaster Support Area
EMSA	Emergency Medical Services Authority
EOC	Emergency Operations Center
GSA	General Services Administration
HF	High Frequency
JEOC	Joint Emergency Operations Center
LNO	Liaison Officer
MSU	Medical Support Unit
NCA	National Command Authority (The President)
NDMS	National Disaster Medical System
OASIS	Operational Area Satellite Information System
OES	Office of Emergency Services
POL	Petroleum, Oil, and Lubricants
RDMHC	Regional Disaster Medical Health Coordinator
REOC	Regional Emergency Operations Center
RIMS	Response Information Management System
SEMS	Standardized Emergency Management System
SOC	State Operations Center
TALCE	Tactical Air Lift Control Element
USAF	United States Air Force
USAR	Urban Search and Rescue
USFS	United States Forest Service
USGS	United States Geologic Survey
USN	United States Navy
USPHS	United States Public Health Service