# Table of Contents

**5000 Logistics**  3

**5100 Logistics Section Organization**  3
  - 5110 Logistics Section Planning Cycle Guide  3

**5200 Support**  3
  - 5210 Supply  3
  - 5220 Facilities  3
  - 5230 Vessel Support  6
  - 5240 Ground Support  6

**5300 Services**  6
  - 5310 Food Unit  6
  - 5320 Medical Unit  6

**5400 Communications**  6
  - 5410 Unified Command Calling and Coordination Frequencies  7
    - 5410.1 Unified Command/Responsible Party Calling and Coordination Frequency  8
    - 5410.2 U.S. Coast Guard Working Frequencies  8
    - 5410.3 CA Office of Oil Spill Prevention and Response (OSPR) working frequency  9
    - 5410.4 County OES and local government agency operating frequencies  9
    - 5410.5 Intra-agency and Intra-company communications:  9
  - 5420 Coast Guard Communications Capabilities  9
    - 5420.1 Mobile Communications Vehicle  10
    - 5420.2 Enhanced Mobile Incident Command Post  10
    - 5440 Local Government Communications  10
    - 5450 Mobile Communications Staging Areas  11
    - 5460 Communications Status Charts  11
    - 5470 Security Awareness  11

**5500**  15
  - *Reserved*  15

**5600**  15
  - *Reserved*  15

**5700**  15
  - *Reserved*  15

**5800**  15
  - *Reserved*  15

**5900**  15
  - *Reserved for Area/District*  15
5000 Logistics

5100 Logistics Section Organization

Refer to Section 5001 of the Region 9 Contingency Plan

5110 Logistics Section Planning Cycle Guide

Refer to Section 5001.01 of the Region 9 Contingency Plan

5200 Support

5210 Supply
Supply is primarily responsible for receiving, storing and distributing all supplies for the incident; maintaining an inventory of supplies; and storing, disbursing and servicing non-expendable supplies and equipment.

5220 Facilities
Facilities is primarily responsible for the layout and activation of incident facilities, (e.g., Base, Camp(s), and ICP). Facilities provides sleeping and sanitation facilities for incident personnel and manages Base and Camp(s) operations.

Incident Command Posts
5230 Vessel Support
Vessel Support is responsible for implementing the Vessel Routing Plan for the incident and coordinating transportation on the water and between shore resources. Since most vessels will be supported by their own infrastructure, the Vessel Support Unit may be requested to arrange fueling, dockage, maintenance and repair of vessels on a case-by-case basis.

5240 Ground Support
Ground Support is primarily responsible for: 1) support out-of-service resources; 2) transportation of personnel, supplies, food and equipment; 3) fueling, service, maintenance and repair of vehicles and other ground support equipment; & 4) implementing the Traffic Plan for the incident.

5300 Services

5310 Food Unit
The Food Unit is responsible for supplying the food needs for the entire incident, including all remote locations (e.g. Camps, Staging Areas), as well as providing food for personnel unable to leave tactical field assignments.

5320 Medical Unit
The Medical Unit is primarily responsible for the development of the Medical Plan, obtaining medical aid and transportation for injured and ill incident personnel, and preparation of reports and records. The following is a list of hospitals located in the Sector SF area:

- Alameda Hospital, 2070 Clinton Avenue Alameda CA 94501 (510) 522-3700
- Alta Bates Medical Center 2450 Ashby Avenue Berkeley CA 94705 (510) 204-4444
- Children's Hospital 747 52nd Street Oakland CA 94609 (510) 428-3000
- Eden Medical Center 20103 Lake Chabot Road Castro Valley CA 94546 (510) 537-1234
- Highland Hospital 1411 E. 31st Street Oakland CA 94602 (510) 437-4800
- Lucile Salter Packard Hosp, 725 Welch Road, Palo Alto, CA 94304, (650) 4978125
- San Leandro Hospital, 13855 E. 14th Street, San Leandro, CA 94578, (510) 3576500
- St. Rose Hospital, 27200 Calaroga Avenue, Hayward, CA 94545, (510) 264-4000
- Summit Medical Center, 350 Hawthorne Avenue, Oakland, CA 94609, (510) 6554000
- UCSF Medical Center, 505 Parnassus Avenue, San Francisco, CA 94122, (415) 476-1000
- Valley Memorial Hospital, 1111 E. Stanley Blvd, Livermore, CA 94550, (925) 447-7000
- Valley Care Health Systems, 5575 W Las Positas Blvd, Pleasanton, CA 94588, (925) 447-7000
- Washington Hospital, 2000 Mowry Avenue, Fremont, CA 94538, (510) 797-1111

5400 Communications

This section establishes the radio frequencies that will be used for inter-agency communication during an oil spill response. Most of the frequencies are within the marine band of the VHF-FM spectrum. Table 5-1 is a graphic representation of this frequency allocation. A secondary purpose is to identify the operating frequencies used by principal federal, state, and local agencies, and provide an overview of those agencies’ capabilities and resources.

Implementation of this plan will be a slow process. No party involved in the response should
expect communications to be established immediately. All aspects of this plan can be expected to be in place within the first two days.

5410 Unified Command Calling and Coordination Frequencies

VHF-FM Channel 81A (157.075Mhz) is the frequency for ground communication between the Unified Command and USCG units on-scene. It is also the secondary frequency for communication between the Unified Command and on-scene units from OSPR, U.S. Fish & Wildlife, local agencies, and Pacific Affiliates.

<table>
<thead>
<tr>
<th>VHF-FM</th>
<th>Freq</th>
<th>Use</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>156.3</td>
<td>Intership Safety</td>
<td>Also Sector SF Secondary, Public Liaison</td>
</tr>
<tr>
<td>12</td>
<td>156.6</td>
<td>Port Operations (VTS)</td>
<td>Also Sector SF (VTS) Offshore Sector</td>
</tr>
<tr>
<td>13</td>
<td>156.65</td>
<td>Bridge to Bridge</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>156.7</td>
<td>Port Operations (VTS)</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>156.8</td>
<td>International Calling and Distress</td>
<td>Only for hailing and distress</td>
</tr>
<tr>
<td>21A</td>
<td>157.05</td>
<td>Sector San Francisco Primary, Sector Humboldt Bay, Secondary</td>
<td>CG to CG</td>
</tr>
<tr>
<td>22A</td>
<td>157.1</td>
<td>USCG only, Public Liaison, Safety Boats</td>
<td></td>
</tr>
<tr>
<td>23A</td>
<td>157.15</td>
<td>Station Monterey Primary</td>
<td>CG to CG</td>
</tr>
<tr>
<td>83A</td>
<td>157.175</td>
<td>Sector Humboldt Bay Primary</td>
<td>CG only</td>
</tr>
<tr>
<td>CLEMAR</td>
<td>TBD</td>
<td>US Fish &amp; Wildlife, OSPR, CA Local Government Primary</td>
<td>CA and Fed Govt only</td>
</tr>
<tr>
<td>CALCORD</td>
<td>TBD</td>
<td>CA Local Government Secondary</td>
<td>CA and Fed Govt only</td>
</tr>
<tr>
<td>VHF</td>
<td>150.98</td>
<td>MSRC Primary</td>
<td>Not a Marine Band freq</td>
</tr>
<tr>
<td>UHF</td>
<td>381.8</td>
<td>CG Aircraft Primary</td>
<td></td>
</tr>
<tr>
<td>UHF</td>
<td>459.0</td>
<td>MSRC</td>
<td>Clean Bay also</td>
</tr>
</tbody>
</table>
secondary can assign VHF-FM freqs as required for working/liaison

| UHF | 459 |

Table 5-1 - Unified Command Calling and Coordination Frequencies

The primary frequency for communication between the Unified Command and OSPR, U.S. Fish & Wildlife, local agencies, and Pacific Affiliates during the initial phase of the response is CLEMAR, but is expected to shift at some point to CALCORD as additional organizations join the MAC.

5410.1 Unified Command/Responsible Party Calling and Coordination Frequency

Due to the range of different possible responsible parties, it is impossible to predesignate a frequency for this purpose which would work in all cases. Therefore, as early as possible in a response, the communications unit and RP should make contact by landline and choose a frequency accessible to both parties.

The UHF frequency 150.980Mhz is used by Marine Spill Response Corporation, while UHF frequency 454(Tx)/459(Rx) is used by Clean Bay cooperative. In the absence of direct communications with the RP, federal & state authorities might use these frequencies and communication with these parties as an interim measure.

5410.2 U.S. Coast Guard Working Frequencies

Channel 81A (157.075Mhz) - Communication between U.S. Coast Guard units and other Coast Guard personnel who are part of the OSC staff.

UHF 381.8 - The primary working frequency between the Unified Command and U.S. Coast Guard aircraft.

Channel 21A - Primary working/SAR frequency of Sector Humboldt Bay.

Channel 83A - Primary working/SAR frequency of Sector Humboldt Bay.

Channel 16 - (156.8Mhz) Designated under international convention for use for ship-to-ship and ship-to-shore hailing and distress in international waters. ALL users are required to use channel 16 for only these purposes and then switch to other channels for subsequent communications. Oil spill response is no exception.

Channel 13 - (156.65Mhz) Designated bridge-to-bridge hailing and navigation safety frequency in inland and offshore waters. It may be used only to establish contact and make arrangements between vessels in crossing, meeting, or overtaking situations in accordance with the International or Inland Navigation Rules.

Safety Frequency - Ch. 06 (156.3Mhz) is designated as the frequency which may be used by all parties for communication on matters involving human health and safety. FCC regulations require all vessels equipped with VHF-FM capability to have this channel. As there is expected to be little other traffic on this channel during an oil spill response, this should be monitored by all involved units that have this channel available, and regarded as a tertiary channel for the response.
5410.3 CA Office of Oil Spill Prevention and Response (OSPR) working frequency

In central and northern California, OSPR wardens’ and biologists’ working frequencies are 159.435Mhz (Tx) and 151.415Mhz (Rx). However, OSPR wardens have handheld radios with VHF channel 83A, and this may be the best way to establish and maintain contact between them and CG first responders during the initial stages of a spill response.

5410.4 County OES and local government agency operating frequencies:

County OES’s and local government agencies such as police, fire, county sheriffs, and environmental health departments have frequencies and communications systems established within their counties. It is not the intent of this plan to interfere with or change those established systems. The primary frequency during the initial response is CLEMAR, but is expected to shift at some point to CALCORD as additional organizations join the MAC. Either frequency will be used for coordination among those agencies and between those agencies and the Unified Command.

5410.5 Intra-agency and Intra-company communications

It is expected that each government agency and private company involved in the response operation will continue to use its own normal working frequency(s) for internal communication.

Alternate oil spill containment and cleanup frequencies: 47 CFR Part 90.60 designates the four primary VHF-FM frequencies and two primary UHF-FM frequencies listed below for use in oil spill containment and cleanup operations.

1 150.980Mhz VHF-FM*
2 154.585Mhz VHF-FM
3 158.445Mhz VHF-FM
4 159.480Mhz VHF-FM
5 454.000Mhz UHF*
6 459.000Mhz UHF*

* -- these are the primary operating frequencies used by Marine Spill Response Corporation and Clean Bay coop, respectively. See Table 5-1.

5420 Coast Guard Communications Capabilities

Sector San Francisco has a Contingency Communications Kit in reserve for an oil spill response. The kit consists of a portable VHF repeater system, 2 portable VHF base stations and a cache of VHF handheld radios. The equipment in the kit will provide adequate communication capabilities for initial responders. All VHF radios are tuned to the frequencies within the marine band.

The Coast Guard has a system of high sites along the coast designed to provide VHF-FM and HF coverage of the entire coast. Coast Guard Sectors Monterey, San Francisco, and Humboldt Bay all have VHF phone patch capability; therefore the Sector San Francisco Command Duty Officer (CDO) should be able to communicate with any vessel within range of one of the repeaters. The locations of these repeaters are listed in Table 5-3. By phone patch through Communications Area Master Station Pacific (CAMSPAC), located at Pt. Reyes, the Sector San Francisco watch office could communicate on either VHF or HF frequencies to a vessel offshore within 200 miles off the coast of California.

The Coast Guard Pacific Strike Team has a cache of programmable hand-held VHF-FM radios and a computer which can tune those radios to any desired frequency. The Strike Team also
owns several portable repeaters which can be tuned to a desired frequency and deployed wherever necessary. It also has one portable INMARSAT (satellite telephone) system.

5420.1 Mobile Communications Vehicle
Pacific Strike Team (PST) hosts the Mobile Communications Vehicle (MCV) equipped with VHF-FM radio, satellite, HF circuits, and multiple line telephones. The PST contact is 415-883-3311.

5420.2 Enhanced Mobile Incident Command Post (eMICP)
The eMICP is a self-contained, rapidly deployable Coast Guard manned and maintained communications module. It can provide a full range of telecommunications capabilities to support a large oil spill response. Its capabilities include:
- VHF circuits
- UHF/MILSAT circuit
- HF circuit
- World Wide Web access
- CGOne access
- VOIP access
- Unclassified fax
- Satellite/Local TV access
- ACU-1000
- Classified and Unclassified VTC
- CCTV

The eMICP is located at the Coast Guard Pacific Strike Team at Novato, CA in a twelve hour (B-12) recall status. A team of three persons (CG Electronic Technicians, Information Technician and Operations Specialists) accompanies the unit for maintaining the operational status. The eMICP is powered by generators (which accompany the unit) or directly connected to a power source.

Adequate space is required for the set up of the eMICP, approximately 200 feet by 200 feet. The antenna setup requires this space due to the power radiating from each of the transmit antennas. This is an important consideration in the decision where to locate the unit. After arrival, it will take approximately 2 hours to get the eMICP on line.

5430 OSPR Communications capabilities
OSPR also has a system of repeaters and high sites throughout the state. At present coastal coverage is approximately 80%. However, two portable repeaters are also available to provide coverage in remote areas and provide for a local net at a spill site. OSPR vehicles and personnel throughout the state have VHF-FM radios (150-174Mhz), and OSPR has a cache of 34 handheld “pool” radios for use by other agencies or groups assisting in spill response. The OSPR Communications Manager is Mr. Barnum Mesqua (916-324-7994).

5440 Local Government Communications
CALCORD (VHF-FM 156.075Mhz) is the primary frequency for coordination among state and local government agencies in a multi-agency response.

Local fire and emergency medical services agencies also use frequencies within the FIRESCOPE system.

Local law enforcement agencies, county sheriffs, and the California Highway Patrol use the
CLEMAR system for inter-jurisdictional coordination.

5450 Mobile Communications Staging Areas
The selected shore-side staging area for multi-agency operations will be directed via land line, or on CH81A VHF-FM Coordination NET. Once a communications site has been selected, mobile communications vehicles and trailers should be located no closer than 25 feet to each other. The need for alternate or multiple staging areas and attendant communications coverage will depend on the extent of the coastal area affected by the spill.

5460 Communications Status Charts
In order for all response agencies to effectively organize communications efforts, information on communications status must be shared by all agencies at the staging area. Once mobile communications trailers are in place, and agencies have checked into CH81A, a communications status chart listing each agency’s guard requirements should be prepared and updated as situations dictate. All agencies should fill in the appropriate information on a chart similar to the Communications Status Chart. The communications status chart should also be reproduced in paper form and distributed to all other response agencies located at the staging area. Additional updates or changes in unit status may be relayed via CH81A once communication status charts have been distributed.

5470 Security Awareness
Radio communications, unless encrypted for secure transmission, are subject to electronic surveillance and monitoring by private citizens and the public media. All agencies should be security conscious before transmitting information by radio that may be considered media sensitive, proprietary, or private. Good judgment is the only rule that applies; however, public affairs representatives should be consulted for guidance in specific instances if necessary.
### Table 5-2 - Coast Guard VHF-FM High Sites

<table>
<thead>
<tr>
<th>HIGH SITE</th>
<th>LOCATION</th>
<th>CONTROL</th>
<th>ELEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Point St. George</td>
<td>41-45N 124-15W</td>
<td>Sector Humboldt Bay</td>
<td>200 Ft</td>
</tr>
<tr>
<td>(B) Trinidad Head</td>
<td>39-41N 124-10W</td>
<td>Sector Humboldt Bay</td>
<td>300 Ft</td>
</tr>
<tr>
<td>(C) Cahto Peak</td>
<td>39-41N 123-35W</td>
<td>Sector Humboldt Bay</td>
<td>4200 Ft</td>
</tr>
<tr>
<td>(D) Pt. Cabrillo</td>
<td>39-25N 123-45W</td>
<td>Sta Noyo River</td>
<td>50 Ft</td>
</tr>
<tr>
<td>(E) Mt. Jenner</td>
<td>38-29N 123-11W</td>
<td>Sta Bodega Bay</td>
<td>1330 Ft</td>
</tr>
<tr>
<td>(F) Mt. Umunhum</td>
<td>37-09N 121-54W</td>
<td>Sta Monterey</td>
<td>3380 Ft</td>
</tr>
<tr>
<td>(G) Pt. Sur Light</td>
<td>36-18N 121-54W</td>
<td>Sta Monterey</td>
<td>200 Ft</td>
</tr>
<tr>
<td>(H) Cambria</td>
<td>35-32N 121-15W</td>
<td>Sta Monterey</td>
<td>500 Ft</td>
</tr>
<tr>
<td>(I) Tranquillion Mt.</td>
<td>34-35N 120-33W</td>
<td>Sta Channel Isl</td>
<td>2170 Ft</td>
</tr>
</tbody>
</table>

### Table 5-3 - HF High Sites

<table>
<thead>
<tr>
<th>HIGH SITE</th>
<th>LOCATION</th>
<th>CONTROL</th>
<th>ELEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>(J) Arcata</td>
<td>52-00N 124-05W</td>
<td>Sector Humboldt Bay</td>
<td>N/A</td>
</tr>
<tr>
<td>(K) Pt. Arena</td>
<td>38-57N 124-44W</td>
<td>Sector Humboldt Bay</td>
<td>N/A</td>
</tr>
<tr>
<td>(L) Pt. Bonita</td>
<td>37-48N 122-32W</td>
<td>Sector San Francisco</td>
<td>N/A</td>
</tr>
<tr>
<td>(M) Pt. Pinos</td>
<td>36-38N 121-56W</td>
<td>Sta Monterey</td>
<td>N/A</td>
</tr>
<tr>
<td>(N) Cambria</td>
<td>35-32N 121-15W</td>
<td>Sta Monterey</td>
<td>500Ft</td>
</tr>
</tbody>
</table>
COMMUNICATIONS STATUS CHART

AGENCY: _____________________________

COMMAND POST: ______________________ FREQUENCY GUARD: _____________

-----------------------------------------------

FIELD UNIT CALL SIGN STATUS

-----------------------------------------------
OTHER AGENCIES ON SCENE FREQUENCY

MISCELLANEOUS FREQUENCY

CELLULAR
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5500</td>
<td>Reserved</td>
</tr>
<tr>
<td>5600</td>
<td>Reserved</td>
</tr>
<tr>
<td>5700</td>
<td>Reserved</td>
</tr>
<tr>
<td>5800</td>
<td>Reserved</td>
</tr>
<tr>
<td>5900</td>
<td>Reserved for Area/District</td>
</tr>
</tbody>
</table>