Monthly Report
Issued Tuesday, November 22, 2016

(Presenting Progress from Preceding 5 Months)

Refugio Incident

This monthly report addresses elements listed in the *Order for Removal, Mitigation or Prevention of a Substantial Threat of Oil Discharge.* The elements include descriptions of 1) anticipated problems and planned resolutions, 2) significant developments, 3) work performed, 4) treatment and disposal information, 5) analytical data received (if applicable), and 6) schedule of work. The following attachments contain detailed information pertaining to each listed element:

- **Summary of Anticipated Problems and Resolutions**
  - Safety of crews and monitoring personnel will require continued vigilance and contractor hazard awareness and pre-cautions.

- **Progress Updates** (July 7, 2016 through November 22, 2016) – On August 28th 2015, FOSC approved a variance in frequency from weekly to monthly reports. Plains requested permission to remove the BMPs in Sections 1 and 4 as indicated in the April 2016 memo submitted by Stantec.
  - Work Performed
    - Section 1 – COMPLETE
      All work plans have been completed. No additional work is planned for this area.
    - Section 4 – MONITORING (thru 2018)
      The proposed work plan endpoint of 60% native plant species coverage has been met. This area will continue to be monitored monthly to ensure that this endpoint is upheld as stated in the approved work plan.
    - Section 5 – MONITORING (thru 2016 + 3.5" rainfall event)
      Four monthly monitoring events (July-October) and two trigger monitoring events (>0.5" rain Oct-20 & Nov-20) were conducted in Section 5. No notable observations were made regarding changes in oiling or geotechnical stability that may lead to additional oiling. Monthly monitoring efforts will continue until December 31, 2016, when they will cease until a 3.5" rainfall in a 24-hour period occurs. At this point, one final monitoring event will be conducted.
    - Drop Points – REVEGETATION (thru 2016)
      The six (6) drop point areas requiring additional vegetation are being weeded, planted and watered as proposed in the approved work plan, with watering and weeding efforts continuing until December 31, 2016 to encourage root growth to a depth that will encourage adequate soil moisture to maintain plants without irrigation.
  - Disposal Information
    - No waste was generated during activities during this reporting period.

- **Incident Action Plan** (Effective October 29, 2015 0600 – December 31, 2016 0600)
  - Schedule of Work to be Performed (Form 204)

Summary of Anticipated Problems and Resolutions

Refugio Incident

Month of May 2016

Anticipated Problems	Planned Resolutions
☐ Potential safety for field crews. Potential for fatigue/complacency.	☐ Brief all contractors on the need to remain vigilant and to ensure that personnel are appropriately informed and trained regarding hazards.

1. Incident Name	2. Operational Period to be covered byIAP (Date/Time)	CG IAP COVER SHEET
Refugio Incident	From: 29 OCT 2015/06:00 To: 31 DEC 2016/06:00 Operations Period 23	

3. Approved byIncident Commander(s):

ORG	NAME
USCG FOSC	
EPA FOSC	
SOSC	
LOSC	
RPIC	

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☒ ICS 202-CG (Incident Objectives)
- ☒ ICS 202B-CG (Critical Information Reporting)
- ☒ ICS 207-CG (Organization Chart)
- ☒ ICS 204-CGs (Assignment Lists)
  One Copy each of any ICS 204-CG attachments:
- ☒ ICS 206-CG (Medical Plan)
- ☒ ICS 230-CG (Meeting Schedule)

4. Prepared by:	Date/Time
Ryan Andersen, PSC	OCT2015 06:00

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Refugio Incident	2. Operational Period:	Date From: 10/29/2015	Date To: 12/31/2016
		Time From: 06:00	Time To: 06:00

3. Objective(s):

1) Ensure the safety of response personnel and the public.
2) Continue Phase III Monitoring.
3) Continue Section 5 Monitoring.
4) Protect and minimize impacts to environmental, cultural, historic and economic resources where feasible.
5) Continue to care for and monitor the disposition of previously captured, injured and oiled wildlife.
6) Continue to provide stakeholders and the community relevant information about progress of response efforts.

4. Operational Period Command Emphasis:

1) Conduct Phase III Monitoring.
2) Continue to emphasize safety in all operations with an emphasis on Sections 4 and 5.
3) Maintain cultural/historical coordination for all operations and SCAT sign-offs.
4) Identify or list the segments requiring phase 3 monitoring.
5) Provide daily and weekly progress reports

General Situational Awareness

5. Site Safety Plan Required? Yes ☒ No ☐
Approved Site Safety Plan(s) Located at: Available through the DOCL

6. Incident Action Plan (the items checked below are included in this Incident Action Plan)**:**

☐ ICS 203	☒ ICS 207	Other Attachments:
☒ ICS 204	☐ ICS 208	☐ ICS 202B Critical Reporting Requirements
☐ ICS 205	☒ Map/Chart	☐ _____
☐ ICS 205A	☐ Weather Forecast/Tides/Currents	☐ _____
☒ ICS 206		☐ _____

7. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

8. Approved by Incident Commander: Name: Unified Command Signature: _____

ICS 202	IAP Page	Date/Time: 10/28/2015 12:00 AM

1. Incident Name	2. Operational Period (Date/Time)	Critical Information Requirements
Refugio Incident	From: 29OCT2015 06:00 To: 31DEC2016 06:00	ICS 202B

3. Critical Information Requirements:

1) Work site accidents / mishaps resulting property damage or injuries to responders beyond first aid.
2) Any VIP visits or political interest and concerns.
3) Deviation of strategies or tactics from approved Incident Action Plan.
4) Severe weather condition which could impact Operations.
5) Publication of inaccurate, significant, or unfavorable media stories.
6) Reports of negative stakeholder interests.
7) Cultural/historical impacts and/or concerns.
8) Weekly updates of Section 5 and SCAT activities.

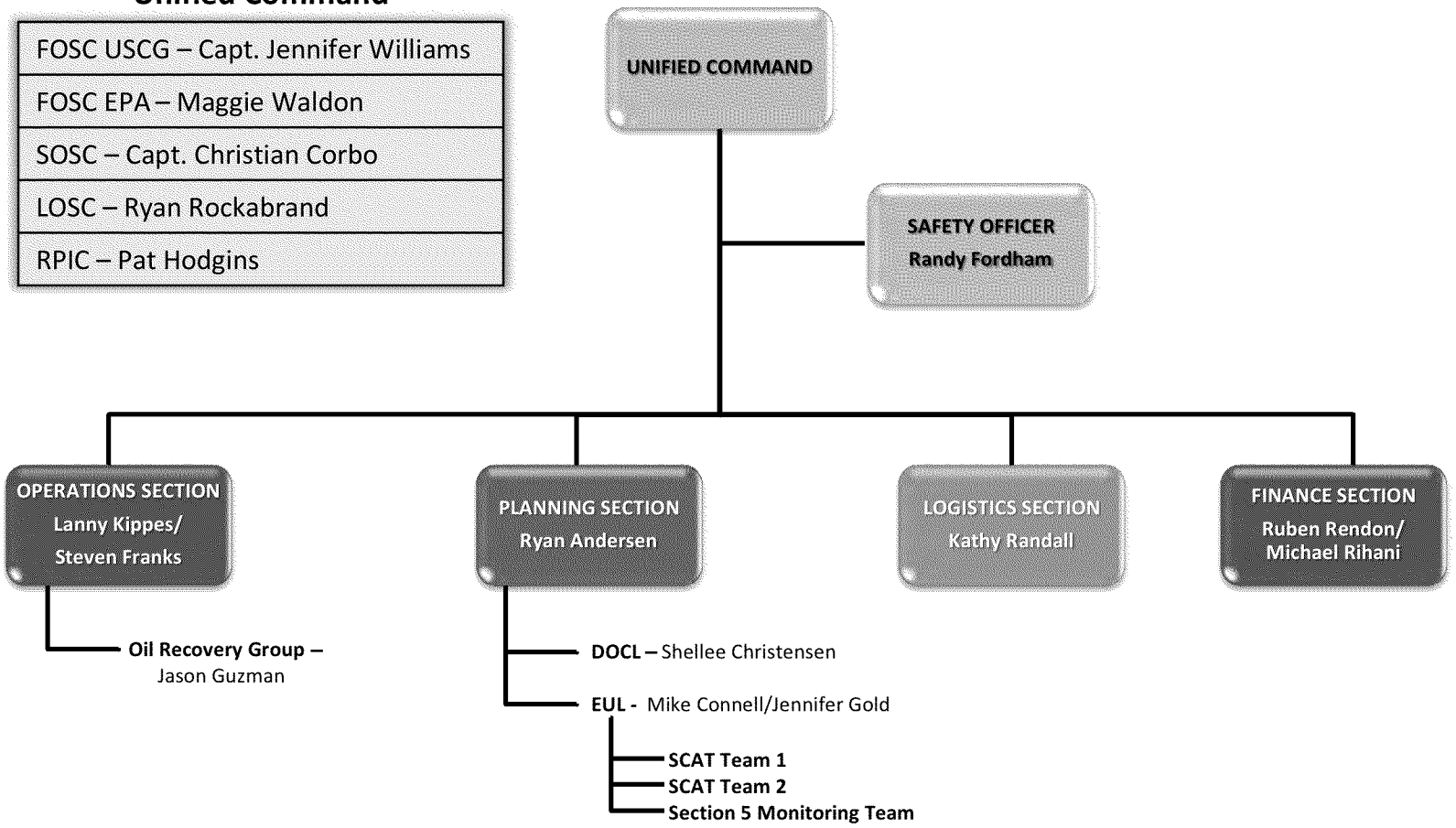
4. Prepared by: (Planning Section Chief)	Date/Time
Ryan Andersen	28OCT2015 06:00

INCIDENT ORGANIZATION CHART (ICS 207)

Incident Name:	Operational Period:	Date From:	Date To:
Refugio Incident	23	29OCT2015/06:00	31DEC2016/06:00

Unified Command

FOSC USCG – Capt. Jennifer Williams
FOSC EPA – Maggie Waldon
SOSC – Capt. Christian Corbo
LOSC – Ryan Rockabrand
RPIC – Pat Hodgins



ICS 207 **Prepared By:** Ryan Andersen (PSC) **Date/Time:** 28OCT2015/06:00

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 10/29/2015 Date To: 12/31/2016 Time From: 06:00 Time To: 06:00	Branch: Environmental Unit Division: SCAT Group: Staging Area:

4. Operations Personnel:	Name	Contact Number(s)
Operations Section Chief:	Lanny Kippes	562-221-4510
Branch Director:	EUL Mike Connel	805-331-1867
Division/Group Supervisor:	EUL Jennifer Gold	805-450-8695

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
SCAT Group #1				
SCAT Group #2				

6. Work Assignments:

- SCAT Teams will conduct Phase III, post emergency response monitoring as directed by the Phase III Plan and keep all stakeholders informed of SCAT activities and findings. During SCAT sctivities, Operations cleanup crews should remain on standby to react and be deployed as necessary to recover Refugio Incident source oil (Line 901 oil). Phase III will focus on the areas from Arroyo Hondo to Rincon Point (Santa Barbara Division SB-I to SB-T) which have not met Phase I or Phase II end points.

- Operations can request a SCAT team if needed outside of scheduled surveys but they need to be given 24 hour notice. Phase III Monitoring team members will be comprised of representatives for the Unified Command (UC). Official SCAT team members must have the authority to represent the USCG, CDFW-OSPR, SB County, and RP when making clean up recommendations and signing off segments.

7. Special Instructions:

- Any oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be called in to the Wildlife Hotline at 877-823-6926.

SAFETY MESSAGE

- All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.
- PPE: Hard hats, Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
- PFD's must be worn if the potential for drowning exists.
- All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.
- Report All Injuries require immediate notification to Direct Supervisor.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.
- In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and the Logistics Section Chief.
- No work in estuary or creek habitats without biological monitor and approval from EUL.

*** Weekly updates of SCAT activities will be reported to the Unified Command on a weekly basis. ***

*** If Line 901 Oil discharges or has the potential to discharge from the Section 5 Cliff Face into the water notifications must be made ti the National Response Center, Cal OES and Unified Command. ***

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
123.02 MHZ	/	VHF channel 10&16
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	**IAP Page**	Date/Time: 10/28/2015 6:00 AM

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 10/29/2015 Date To: 12/31/2016 Time From: 06:00 Time To: 06:00	Branch: Environmental Unit Division: Section 5 Monitoring Group: Staging Area:

4. Operations Personnel:

	Name	Contact Number(s)
Operations Section Chief:	Lanny Kippes	562-221-4510
Branch Director:	EUL Mike Connel	805-331-1867
Division/Group Supervisor:	EUL Jennifer Gold	805-450-8695

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Section 5 Monitoring Team				

6. Work Assignments:

- Section 5 Monitoring Team will conduct monitoring as directed by the Section 5 Monitoring Plan and keep all stakeholders informed of activities and findings. During Section 5 activities, Operations cleanup crews should remain on standby to react and be deployed as necessary to recover Refugio Incident source oil (Line 901 oil).

7. Special Instructions:

- Any oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be called in to the Wildlife Hotline at 877-823-6926.

SAFETY MESSAGE

- All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.
- PPE: Hard hats, Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
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- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.
- In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and the Logistics Section Chief.
- No work in estuary or creek habitats without biological monitor and approval from EUL.

*** Weekly updates of Section 5 activities will be reported to the Unified Command on a weekly basis. ***

*** If Line 901 Oil discharges or has the potential to discharge from the Section 5 Cliff Face into the water, notifications must be made to the National Response Center, Cal OES and Unified Command. ***

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
123.02 MHZ	/	VHF channel 10&16
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	**IAP Page**	Date/Time: 10/28/2015 6:00 AM

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:	3.
Refugio Incident	Date From: 10/29/2015 Date To: 12/31/2016 Time From: 06:00 Time To: 06:00	Branch: Division: Recovery Group Group: Staging Area:

4. Operations Personnel:

	Name	Contact Number(s)
Operations Section Chief:	Lanny Kippes	562-221-4510
Branch Director:	Steve Franks	713-417-8525
Division/Group Supervisor:	Jason Guizman	805-755-3322

5. Resources Assigned:

Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Recovery Group Supervisor	Jason Guzman			

6. Work Assignments:

- Remain on standby to react and be deployed to recover Refugio Incident source oil (Line 901 oil) as directed by the SCAT and Section 5 Teams.

7. Special Instructions:

- Any oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be called in to the Wildlife Hotline at 877-823-6926.

SAFETY MESSAGE

- All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.
- PPE: Hard hats, Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
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- All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.
- Report All Injuries require immediate notification to Direct Supervisor.

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- In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and the Logistics Section Chief.
- No work in estuary or creek habitats without biological monitor and approval from EUL.

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name	/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
123.02 MHZ	/	VHF channel 10&16
	/	
	/	
	/	

9. Prepared by: Name: Ryan Andersen Position/Title: PSC Signature: _____

ICS 204	**IAP Page**	Date/Time: 10/28/2015 6:00 AM

1. Incident Name: Refugio Incident **Location: Mariposa Staging**	**2. Operational Period 21** From: 29OCT2015 06:00 To: 31DEC2016 06:00	**MEDICAL PLAN** **ICS 206-CG**

3. Medical Aid Stations and contact information

Name	Location	Contact #	Transport Availability
Santa Barbara County Fire, water rescue, helicopter with hoist	4410 Cathedral Oaks, Santa Barbara, A	911	Yes
Montecito and Carpentaria Fire Water Rescue Team	Santa Barbara County South	911	No
Ventura Fire, Oxnard Fire, Ventura County Fire, water rescue, helicopter with hoist	Ventura County	911	No
US Coast Guard, Medi-Vac. Rescue Swimmers	1001 South Seaside, San Pedro, CA 90731	855-562-4900 510-437-3701	Yes

4. Transportation

Ambulance Service	Address	Contact #	Care Capability
American Medical Response	240 East Hwy 246 Buellton, CA 93117	805-245-3424	Paramedic/EMT team
CALSTAR 7 (air medical transport team, no hoist)	3996 Mitchell Road Santa Monica, CA 93455	805-938-9038	Advanced Practice, 2 Nurse team
Santa Barbara County Air Support (air medical transport team with hoist capabilities)	906 Airport Road Santa Ynez, CA 93460	805-692-5723 Or 911	2 Paramedic team with Rescue Swimmer
Santa Barbara County Fire Rescue, Helicopter, Medical, water rescue and dispatch center	4408 Cathedral Oaks Road Santa Barbra	805-692-5723 or 911	Paramedic
US Coast Guard	101 South Seaside Ave #20, San Pedro, CA 90731	855-562-4900 510-437-3701 VHF Channel 16	Rescue Swimmer/Medivac

5. Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Center	Helipad
			Air	Ground		
Goleta Valley Cottage Hospital	251 South Patterson Ave, Santa Barbara, CA 93111	805-967-3411	N/A	20/min		No
Grossman Burn Center	7300 Medical Center Drive West Hills CA	818-676-4177	20 min	1.25 hours	Yes	Yes
Santa Barbara Cottage Hospital (Anti-Venom is kept at this facility)	400 West Pueblo Street Santa Barbara, CA 93105	805-682-7111	8 min	27 min	No	Yes
Saint John Pleasant Valley Hospital	2309 Antonio Ave, Camarillo, CA 93010 Hyperbaric available Monday to Friday 0800-1800	(805) 389-5944	30	1 HR		

LA County Medical Alert (available 24/7)	200 UCLA Medical Plaza Suit B Los Angeles, CA 9005	1(866)940-4401	1 hour	N/A	No	Yes
UCLA Available 0800-1700	200 UCLA Medical Plaza Suit B Los Angeles, CA 9005	310-794-9014	30 min.	1 hour	No	Yes

6. Special Medical Emergency Procedures:

1. If medical, injury or dive emergency occurs on boat, call 911 and report location geographically where the incident is located (GPS Coordinates). 911 will dispatch appropriate emergency resources to scene.
2. Non-life/limb threatening illness or injury: notify direct supervisor, follow "medical reporting procedures" and render first aid.

All illnesses and injuries will be reported on Incident Reporting Line 805-618-5769.
For any situation in need of Anti-venom, Please see Santa Barbara Cottage Hospital.

Essential reporting information for EMS provider:

1. Nature of injury
2. Location of patient and point of contact
3. Point of contact
4. Age and gender of patient

7. Prepared by: (PSC)	**Date/Time**	**8. Reviewed by: (PSC)**	**Date/Time**
Ryan Andersen	28OCT2015		28OCT2015

1. Incident Name Refugio Incident	2. Operational Period (Date/Time) From:29 OCT2015/0600 To:31DEC2016/0600	DAILY MEETING SCHEDULE ICS 230-CG

3. Meeting Schedule (Commonly-held meetings are included)

Date/ Time	Meeting Name	Purpose	Attendees	Location
18NOV2015 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
16DEC2015 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
20JAN2015 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
17FEB2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
16MAR2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
20APR2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
18MAY2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
22JUN2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
20JUL2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
17AUG2016 10:00	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
21SEP2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
19OCT2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
16NOV2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference
15DEC2016 10:00 PST	UC Briefing	Teleconferencefor UC, CMD&GeneralStaffto discussongoingissues	IC/UC, CMD & General Staff	Teleconference

4. Prepared by: Ryan Andersen, PSC **Date/Time: 28 OCT 2015 06:00**

MEETING SCHEDULE ICS 230-CG (Rev.07/04)