

**BY ORDER OF THE COMMANDER
SPACE LAUNCH DELTA 30**

**SPACE LAUNCH DELTA 30
INSTRUCTION 13-202**

9 MARCH 2022



***Nuclear, Space, Missile, Command and
Control***

OPERATIONS HAZARD NOTICE

COMPLIANCE WITH THIS INSTRUCTION IS MANDATORY

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OPR: SLD 30/SEL

Certified by: SLD30/SE
(Colonel Raymundo O. Tulier)

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This Instruction establishes policies, procedures, and responsibilities for those who issue Operations Hazard Notices required by Department of Defense (DoD) Instruction 4540.01, *Use of International Airspace by U.S. Military Aircraft and for Missile and Projectile Firings*, Air Force Instruction 11-208, *Department of Defense Notice to Airmen (NOTAM) System* and 30th Space Wing Instruction 13-207, *Range Surveillance*, except for offshore oil rigs which are covered under 30th Space Wing Instruction 13-210, *Evacuating or Sheltering of Personnel on Offshore Oil Rigs*. Security precautions are also stated for notices pertaining to classified operations. This Instruction applies to Space Launch Delta (SLD 30) personnel supporting ballistic and space launches, aeronautical tests, and other hazardous operations on the Western Range (WR). Refer recommended changes and questions about this Instruction to SLD 30/SEL, 806 13th Street, Suite 301, Vandenberg SFB CA 93437-5230, using AF Form 847, *Recommendation for Change of Publications*. Ensure that all records generated as a result of processes prescribed in this publication adhere to Air Force Instruction 33-322, *Records Management and Information Governance Program*, and are disposed of in accordance with the *Air Force Records Disposition Schedule* which is located in the *Air Force Records Information Management System*. This publication using a name or mark of any specific manufacturer, commercial product, commodity, or service does not imply Air Force endorsement.

SUMMARY OF CHANGES

This document was revised. The 30th Space Wing (30 SW) has been renamed Space Launch Delta 30 (SLD 30). Replaced office symbols 2 ROPS/DOUN and 2 ROPS/DOUS with 2 ROPS/DON and 2 ROPS/DOS. Changed launch personnel position name Aerospace Control Officer (ACO) to Aerospace Surveillance Officer (ASO) and added new position names for Range Safety Manager (RSM), Sea Surveillance Officer (SSO) and Surveillance Control Officer (SCO). Changed reference to the warning messages for aircraft and ships from *Page 4 of the Safety Data Letter Missile Flight Control Department* to the *NOTAM/Ntm Report*. Replaced railroad “mile post markers” with “mile posts”. Changed Vandenberg Air Force Base to Vandenberg Space Force Base. Updates *Glossary of References and Supporting Information, Abbreviations and Acronyms* and *Terms* (Attachment 1). Updates railroad notification letter example ([Attachment 7](#)).

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1. Background Summary. The embraces a geographical area extending from the west coast of the to 90 degrees longitude in the . Within these boundaries, SLD 30 conducts polar orbiting, ballistic missile, aeronautical operations, and recovery operations. The launch and ballistic reentry and/or recovery phases use airspace and ocean areas that other aviation or maritime interests can also use. Operation Hazard Notices provide real and constructive notice to the domestic and international aviation and maritime communities of the time and location of the hazards created by missile operations.

2. Responsibilities:

- 2.1. The SLD 30 Commander (SLD 30/CC) is assigned the responsibility for ensuring that flight safety criteria are consistent with operational requirements for all test activities the Western Range supports.
- 2.2. The SLD 30 Safety Office (SLD 30/SE), per SLD 30/CC delegated authority, ensures that all necessary safety precautions are implemented and requirements are met.
- 2.3. The 2d Range Operations Squadron (2 ROPS) ensures hazard notifications are disseminated to appropriate agencies prior to activation of an operation.

3. Operational Requirements:

3.1. Launch Safety (SLD 30/SEL) will:

- 3.1.1. Identify surface and airspace hazard areas to be provided to Airspace and Offshore Management Flight (2 ROPS/DON).
- 3.1.2. Provide information to comply with the provisions of Title 33, CFR 334.1130, *Pacific Ocean, Western Space and Missile Center (WSMC), Vandenberg AFB, California, Danger Zones*, and DoD Instruction 4540.01, *Use of International Airspace by US Military Aircraft and for Missile and Projectile Firings*.

3.2. 2 ROPS/DON will: Review airspace and surface area hazard coordinates and requirements. Request Range Scheduling (2 ROPS/DOS) write and issue Hydrographic Center Pacific (HYDROPACs), Broadcast Notice to Mariners (NTM), and Altitude Reservation (ALTRV) Approval Request (APREQ) as appropriate.

3.3. Range Scheduling (2 ROPS/DOS) will:

- 3.3.1. Create and issue HYDROPAC's, Broadcast Notice to Mariners and ALTRV APREQ from which Central Altitude Reservation Function (CARF) will issue the appropriate Notice to Airmen (NOTAM). However, 30 OSS/OSA will make airfield closure notices. All notices should allow sufficient time before the operation window opens to allow clearance of the area at the time of the potential hazard.
- 3.3.2. Make all hazard notification information available to the Mission Flight Control Officer (MFCO) / Range Safety Manager (RSM) (SLD 30/SE), Program Management Support Section (2 ROPS/DOF), Range Operations Commander (ROC) (2 ROPS/DOO), Base Operations (30 OSS/OSA), and 2 ROPS/DON to aid them in discharging their responsibilities, and to SLD 30/SEL for checking the hazard area coordinates accuracy.
- 3.3.3. Notify the Union Pacific Manager Railroad Operations (MRO) of all operations (30 SWI 13-207, *Range Surveillance*).

3.4. The Aerospace Surveillance Officer (ASO), in the Area Control Center (ACC), will: Track plots of all ships detected by radar surveillance in the local offshore area. This information, along with predicted positions at the time of the potential hazard, will be used by the MFCO/RSM, Surveillance Control Officer (SCO) and Sea Surveillance Officer (SSO). (See 30 SWI 13-207).

4. Range Procedures:

4.1. SLD 30/SEL will:

4.1.1. Establish the criteria, define the hazardous area for ships and aircraft in Broad Ocean Areas (BOAs), and provide the data to 2 ROPS/DON.

4.1.2. Notify Reagan Test Site (RTS) of areas they will include within their own ALTRV's. Notify Pacific Missile Range Facility (PMRF) of hazardous areas within their range operating area.

4.1.3. Check the accuracy of the above data and update, if necessary.

4.1.4. Ensure the warning messages for aircraft and ships (NOTAM/NTM Report) is completed and delivered to 2 ROPS/DON 30 days before the operation. (Quick reaction programs may prevent compliance with this deadline. If this occurs, notify 2 ROPS/DON of the non-compliance and deliver the completed NOTAM/NTM Report as soon as practicable.) 2 ROPS/DON cannot guarantee NOTAM/NTM publication for deliveries not provided by 30 days.

4.1.5. Notice and comply with security precautions listed in [Paragraph 5](#) below.

4.2. 2 ROPS/DON will:

4.2.1. Review data defining hazardous areas and request any necessary changes from SLD 30/SEL

4.2.2. Request 2 ROPS/DOS issue appropriate notifications.

4.2.3. Review the final scheduling package before transmission.

4.2.4. Confirm notifications are sent before the hazardous operation.

4.2.5. Notify 2 ROPS/DOS of any updates received from SLD 30/SEL.

4.3. 2 ROPS/DOS will:

4.3.1. Coordinate all notifications with the appropriate OPR (2 ROPS/DO/DON/DOF) before distribution.

4.3.2. For ALTRV APREQs:

4.3.2.1. Use the hazard areas defined in the NOTAM/NTM Report, to prepare a message for the FAA CARF with minimum information copies to FAA Los Angeles ARTCC Palmdale CA, FAA Oakland ARTCC Fremont CA, 2 ROPS/ DO, 2 ROPS/DOF and SLD 30/SEL.

- 4.3.2.2. Ensure that ALTRV APREQ's (typically for a three-day period) ([Attachment 5](#)) are sent no later than twelve working days prior to the scheduled operation, and as soon as possible when an operation is rescheduled within 48-hours of the original scheduled period. ALTRV APREQ time period coverage will begin 15 minutes before the launch window/period opens and end after a pre-established time specified in the NOTAM/NTM Report, ALTRV APREQ Information Sheet.
- 4.3.2.3. Cancel ALTRV by message after the period specified in the NOTAM/NTM Report, ALTRV APREQ Information Sheet. For rescheduled operations, request a new ALTRV APREQ by message as soon as possible.
- 4.3.3. For HYDROPAC's:
- 4.3.3.1. Use the NOTAM/NTM Report information to prepare a message to send to the National Geospatial-Intelligence Agency (NGA Navsafety), Bethesda MD, with information copies to: Commander Coast Guard District (CCGD) Eleven Alameda CA, CCGD Fourteen Honolulu HI, Channel Islands Harbor CA, COMCOGARD LALB Los Angeles CA, COMPACAREA COGARD Alameda CA, COMSUBPAC Pearl Harbor HI, NAVAIRWARCENWPNDIV Pt Mugu CA, 2 ROPS, SLD 30/SEL, and other agencies and organizations, as required. ([Attachment 2](#)).
- 4.3.3.2. Ensure a message is sent for a three-day period at least seven working days before the original schedule date. If an operation is rescheduled, the message is to be resent. HYDROPAC coverage will begin before the launch window/period opens and extend past the launch window/period based upon safety and operational procedures.
- 4.3.4. For Broadcast Notice to Mariners:
- 4.3.4.1. Ensure the Broadcast Notice to Mariners message is sent seven working days before the original schedule date. Use the NOTAM/NTM Report information to prepare a message to send to the Commander, Eleventh Coast Guard District, Long Beach, California (addressed as COMCOGARDGRU LALB Los Angeles CA), with information copies to COMPACAREA COGARD Alameda CA, CCGDELEVEN Alameda CA, Channel Islands Harbor CA, 2 ROPS, SLD 30/SEL, and other agencies and organizations, as required. Coverage will begin before the opening of the launch window/period and extend past the launch window/period based upon safety and operational procedures. Comply with security precautions listed in [Paragraph 5](#) below.
- 4.3.4.2. Use the NOTAM/NTM Report, to complete Broadcast Notice to Mariners Information Letter ([Attachment 3](#)). Ensure the letter is sent at least ten working days before the original schedule date. Coverage will begin before the opening of the launch window/period and reestablished time and extend past the launch window/ period based upon safety and operational procedures. Mail, fax, or dispatch to the Harbor Masters offices listed in [Attachment 4](#), by Thursday of each week, information about closures that will be necessary two or more weeks later. Comply with security precautions listed in [Paragraph 5](#) below.
- 4.3.5. For R2534A/B, ensure a NOTAM request is sent to Los Angeles Air Route Traffic Control Center requesting activating this airspace for 2 ROPS/DON operations.

4.3.6. Provide in a letter the following information to the Union-Pacific MRO ten working days before the original schedule date: Item number, operation number, window time, and mile posts affected ([Attachment 7](#)).

4.3.7. Provide 2 ROPS/DON with a copy of all operations hazard notices sent and make them available to SLD 30/SEL and other requesting agencies.

4.3.8. Notify 30 /OSA of airspace closure requirements.

4.4. The Area Control Center Duty Air Controller will:

4.4.1. During operations:

4.4.1.1. At T-30 minutes, advise the ASO of any vessels that will be within an impact hazard area at planned liftoff (T-0) or specified T+ time. The ASO will, in turn, notify the ROC, the MFCO/RSM and the SCO/SSO team.

4.4.1.2. When the ASO directs, request maritime position information from the United States Coast Guard (USCG) Command Centers (CC), at Long Beach CA (DSN 360-7129) or Honolulu HI (DSN 421-4845).

4.4.2. For Broadcast Notice to Mariners: Call the Port Control Offices (see Harbor Masters, [Attachment 4](#)) at L-1 day to verify the zones and vessel exclusion areas to be closed and the closure time. Comply with security precautions in [Paragraph 5](#) below.

4.4.3. For ALTRV APVL (issued by FAA CARF Washington DC):

4.4.3.1. At T-180 minutes, verify by telephone or voice page hotline that and Centers, have received ALTRV/NOTAM messages.

4.4.3.2. Notify the appropriate FAA centers of planned (realistic) T-60 milestones and update them as necessary to ensure the FAA is enforcing air traffic reroute procedures.

4.4.3.3. If an operation is scrubbed or rescheduled, notify the appropriate (or) by voice page hotline as soon as possible. Also, advise the appropriate center of the “release” time after an operation is completed. Follow periods outlined in the NOTAM/NTM Report .

4.5. 30 OSS/OSA will: Issue a NOTAM indicating airfield closures for Range operations that affect airfield operations. Airfield closure times on the NOTAM will coincide with the Range closure times indicated in the ALTRV APREQ provided by 2 ROPS/DOS. The NOTAM should state that aircraft may be turned away from Vandenberg SFB airspace during the closure time due to missile launch operations.

5. Security Precautions. The security requirements of some programs could be degraded by following the above routine hazard notice procedures. The following special measures will be considered and employed, to effectively promote the Commander’s security responsibility.

5.1. SLD 30/SEL will:

5.1.1. Perform a ship risk analysis and evaluate the degree of risk associated with each area normally defined in hazard notices.

5.1.2. Coordinate with SLD 30 Antiterrorist Officer/Defense Forces Commander to consider or implement one, or a combination, of the following procedures for issuing Operation Hazard Notices:

5.1.2.1. Delete those notices pertaining to areas where the risk level is less than the predetermined hazard criteria. Excluding all hazard notices for an operation is extremely unlikely due to predicted risk levels.

5.1.2.2. Enlarge, skew, or distort the defined hazard area boundaries.

5.1.2.3. Coordinate with 2 ROPS/DON and ensure message addressee lists are minimized to essential distribution and advanced time notification.

5.2. 2 ROPS/DON will:

5.2.1. Review the defined hazard area boundaries and coordinate with 2 ROPS/DOS to minimize to essential distribution and advance time notification

5.2.2. Instruct the air controllers and surveillance monitors to make routine Danger Zone and ship exclusion box telephone calls to Harbor Masters and broadcast the notices to mariners.

5.2.3. Instruct the Duty Air Controller and advise the ASO concerning any radio and land line communications restricted use that are normally routine to operations.

5.3. 2 ROPS/DOS will:

5.3.1. Coordinate the subject message traffic for classified operations with SLD 30/SEL. Provide SLD 30 /SEL, 2 ROPS/DO, 2 ROPS/DOF, and 2 ROPS/DON a copy of the message traffic.

5.3.2. Prepare the subject messages for routine release. Activate Danger Zones as called for in the NOTAM/NTM Report.

5.3.3. Issue Broadcast Notice to Mariners.

5.3.4. Advise 2 ROPS/DO concerning subject security precautions.

ROBERT A. LONG, Colonel, USSF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

DoD Directive 3200.11, *Major Range and Test Facility Base (MRTFB)*, 27 December 2007, Incorporating Change 2, October 15, 2018.

DoD Directive 3230.3, *DoD Support for Commercial Space Launch Activities*, 14 October 1986, Incorporating Change 1, March 7, 1988.

DoD Instruction, 3200.18, *Management and Operation of the Major Range and Test Facility Base (MRTFB)*, 1 February 2010, Incorporating Change 2, October 15, 2018.

DoD Instruction, 4540.01, *Use of International Airspace by U.S. Military Aircraft and for Missile and Projectile Firings*, 2 June 2015.

Title 33, CFR 334.1130, *Pacific Ocean, Western Space and Missile Center (WSMC), Vandenberg AFB, California, Danger Zones*, Revised as of 1 July 2007.

CINCPACFLT Instruction 3130.6F, *Surveillance Report Services*.

AFI 11-208, *Department of Defense Notice to Airmen (NOTAM) System*, 13 February 2018.

AFSPCMAN 91-710, *Range Safety User Requirements Manual*,

Volume 1, *Air Force Command Range Safety Policies and Procedures*, 3 November 2016

Volume 2, *Flight Safety Requirements*, 13 July 2017

Volume 3, *Launch Vehicles, Payloads, and Ground Support Systems Requirements*, 15 May 2019

Volume 4, *Airborne Flight Safety System Design, Test, and Documentation Requirements*, 20 November 2017

Volume 5, *Facilities, Structures and Reusable Launch Vehicle/Reentry Vehicle Operating Location Requirements*, 23 February 2018

Volume 6, *Ground and Launch Personnel, Equipment, Systems, and Material Operations Safety Requirements*, 18 February 2020

Volume 7, *Glossary of References, Abbreviations and Acronyms, and Terms*, 16 June 2020.

AFSPC Instruction 91-701, *Launch and Range Safety Program Policy and Requirements*, 1 February 2019.

30 SW Instruction 13-207, *Range Surveillance*, 20 November 2006

30 SW RSOR, *Range Safety Operations Requirements*, 15 July 2021

Adopted Forms

AF Form 847, *Recommendation for Change of Publications*

Abbreviations and Acronyms

2 ROPS/DON—2d Range Operations Squadron Airspace and Offshore Management Section

2 ROPS/DOS—2d Range Operations Squadron Scheduling Office

ACC—Area Control Center

AFB—Air Force Base

ALTRV—Altitude Reservation

ALTRV APREQ—Altitude Reservation Approval Request

ASO—Aerospace Surveillance Officer

CARF—Central Altitude Reservation Facility

CC—Command Center

CCGD—Commander Coast Guard District

CFR—Code of Federal Regulations

CINCPACFLT—Commander in Chief, Pacific Fleet

COMNAVAIRWARCEN—Commander, Naval Air Warfare Center

COMPACMISTESTCEN—Commander, Pacific Missile Test Center

COMSUBPAC—Commander, Submarine Forces Pacific

DPSCPAC—Data Processing Servicing Center, Pacific

EWR—Eastern-Western Range

FAA—Federal Aviation Administration

FACSFAC—Fleet Area Control and Surveillance Facility

HYDROPAC—Hydrographic Center, Pacific

KMR—Kwajalein Missile Range

LONOTE—Local Notice to Mariners

MFCD—Missile Flight Control Department

MFCO—Mission Flight Control Officer

MRO—Manager Road Operations

NAVSAFETY—Naval Safety Department

NGA—National Geospatial-Intelligence Agency

NOTAM—Notice to Airmen

NTM—Notice to Mariners

PMRF—Pacific Missile Range Facility

RCC—Rescue Coordination Centers

ROC—Range Operations Commander

RSM—Range Safety Manager

RSOR—Range Safety Operations Requirements

RTS—Reagan Test Site

SCO—Surveillance Control Officer

SLD 30/SELF—Space Launch Delta 30 Launch Safety-Flight Analysis Section

SSO—Sea Surveillance Officer

USAKA—United States Army Kwajalein Atoll

USCG—United States Coast Guard

WR—Western Range

WSMC—Western Space and Missile Center

Terms

Hydrographic Center, Pacific (HYDROPAC) Notice —This special notice to mariners is an urgent notice of hazards to navigation in the . The HYDROPAC message is sent to the National Geospatial-Intelligence Agency (NGA) NAVSAFETY, , and distributed by that office (**Attachment 2**).

Broadcast Notice to Mariners—This is information to surface vessels which is distributed when the SLD 30 sends written notification of offshore surface hazards to be published in a weekly United States Coast Guard (USCG) Long Beach Broadcast to Mariners (see **Attachment 3**). Scheduled blind radio broadcasts by USCG Long Beach provide the latest available hazard information to offshore surface vessels. (This includes Danger Zone closures and the vessel exclusion area.)

Frontier Control—Provides a blind radio broadcast notification on Danger Zones and vessel exclusion area activation on selected frequencies starting 24 hours before, and during, scheduled operations. 2d Range Operations Squadron Scheduling (2 ROPS/DOS) also notifies, by letter, the Port Control Offices (see **Attachment 4**). This information is posted on notice boards at the harbors for the benefit of small craft operators and fishermen. A recorded message about the status of Danger Zones and predetermined Ship Exclusion Areas that are to be cleared of maritime traffic is accessible by dialing 1-800-648-3019.

Mile Posts—These are signs posted at one-mile intervals along the Union Pacific railroad track. The name and location of the mile post are the same as used by Union Pacific. Mile posts are also used to identify railroad track hazard limits within the impact limit lines.

Notice to Airmen (NOTAM)—This is a notification to civil and military aircraft issued by the Federal Aviation Administration (FAA) (or), or other controlling agency for special use airspace (NAWC or FACSFAC), concerning the change in an aeronautical facility's service or procedure. The FAA Center/Controlling Agency issues NOTAMs based upon hazardous area inputs received from the 2 ROPS/DOS developed from operation hazard analyses conducted by SLD 30/SEL.

Altitude Reservation Approval Request (ALTRV APREQ)—This is a request made by the 2 ROPS/ DOS for airspace closures to the Central Altitude Reservation Facility (CARF) because of hazardous operations. If approved, CARF issues an ALTRV APVL for the requested airspace.

Commander, Coast Guard District (CCGD) Eleven or Fourteen—Commander, Eleventh Coast Guard District, Long Beach, California; or Fourteenth Coast Guard District, Honolulu, Hawaii.

Commander in Chief, Pacific Fleet (CINCPACFLT), Makalapa, Hawaii—Commander of the Pacific Fleet, Makalapa Hawaii.

Commander, Naval Air Warfare Center (COMNAVAIRWARCEN), Point Mugu CA—Commander of the Naval Air Warfare Center, Point Mugu, California.

Commander, Submarine Forces Pacific (COMSUBPAC), Pearl Harbor HI—Commander of submarine forces stationed in the Pacific Ocean, Pearl Harbor, Hawaii.

Fleet Area Control and Surveillance Facility (FACSFAC), San Diego CA—Naval facility responsible for control and surveillance of all Pacific Fleet operations.

Data Processing Servicing Center, Pacific (DPSCPAC), Pearl Harbor HI—The Pacific Naval data processing center located at .

Launch and Test Range Services (LTRS) Integrated Support Contract (LISC)—Contractor responsible for operating, maintaining and servicing 2 ROPS assets in support of launch operations at the Western Range.

Attachment 2

EXAMPLE OF HYDROPAC MESSAGE

Figure A2.1. Example of Hydropac Message.

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Subject: HYDROPAC NAVAREA XII REQUEST FOR W4233

Originator: 2ROPS DOS(UC)

DTG: 191623Z Sep 07 **Precedence:** IMMEDIATE **DAC:** General

To: 2ROPS DOS(UC), AL D5-NAVIGATION SAFETY INFO(UC), CCGDELEVEN ALAMEDA(UC), CCGDFOURTEEN HONOLULU(UC), STA CHANNEL ISLANDS HARBOR(UC), COMPACAREA ALAMEDA(UC), NAVSUBTRACENPAC PEARL HARBOR HI(UC), NAVAIRWARCENWPNDIV PT MUGU CA(UC), ACC(UC), SKD(UC), 30SW SEL(UC)

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SUBJECT: HYDROPAC NAVAREA XII REQUEST FOR W4233

1. REQUEST ISSUE HYDROPAC/NAVAREA XII FOR WESTERN RANGE OPERATION W4233 IAW THE FOLLOWING INFORMATION:

2. HAZARDOUS OPERATIONS WILL BE CONDUCTED IN THE AREAS DESCRIBED BELOW FROM 1947Z TO 0117Z DAILY BEGINNING 28 SEP 07 AND ENDING 03 OCT 07.

a. ASCENT DISPERSION AREA

(1) 34 DEG 52 MIN N 120 DEG 51 MIN W

(2) 34 DEG 52 MIN N 120 DEG 36 MIN W

(3) 34 DEG 51 MIN N 120 DEG 36 MIN W

(4) 34 DEG 49 MIN N 120 DEG 51 MIN W

b. FLIGHT INFORMATION REGION KZAK

(1) 34 DEG 48 MIN N 126 DEG 24 MIN W

(2) 34 DEG 51 MIN N 125 DEG 53 MIN W

(3) 34 DEG 09 MIN N 125 DEG 48 MIN W

(4) 34 DEG 07 MIN N 126 DEG 19 MIN W

c. FLIGHT INFORMATION REGION KZAK

(1) 31 DEG 51 MIN N 153 DEG 49 MIN W

(2) 34 DEG 15 MIN N 153 DEG 03 MIN W

(3) 36 DEG 50 MIN N 138 DEG 36 MIN W

(4) 35 DEG 34 MIN N 132 DEG 28 MIN W

3. VESSELS ARE ADVISED TO AVOID THE ABOVE AREAS DURING THE TIMES SPECIFIED.

4. MESSAGE RECEIPT CONFIRMATION IS REQUESTED VIA TELEPHONE CONTACT 2 ROPS/DOUS AT COMMERCIAL 888-240-1233 OR DSN 276-8826 OR EMAIL AT 2ROPS.DOS@VANDENBERG.AF.MIL. PLEASE LEAVE A MESSAGE ON ANSWERING MACHINE DURING NON-WORKING HOURS. OFFICE HOURS ARE 1500-0001Z DAILY MON - FRI. THE OFFICE IS MANNED DURING LAUNCHES.

Attachment 3

BROADCAST NOTICE TO MARINERS INFORMATION LETTER FORMAT

Figure A3.1. Broadcast Notice to Mariners Information Letter Format.

May 11, 2005

MEMORANDUM FOR DISTRIBUTION

FROM: 2 ROPS/DOS

1602 California Vandenberg SFB, CA 93437

SUBJECT: Broadcast Notice to Mariners -- Broadcast No. 0325

1. Operations considered hazardous to surface vessels will be conducted within the offshore areas of Vandenberg SFB.
2. The following danger zones will be closed to entry in accordance with Title 33, CFR 334.1130, as published in the current Federal Register. It is requested that this information be posted for local mariners' information in a manner that does not indicate association with Vandenberg SFB operations.
3. Mariners operating in the Vandenberg SFB areas should dial 1-800-648-3019 for the current status of Vandenberg Danger Zones:

DANGER ZONES	SCHEDULE DATE/TIME	TYPE OF OPERATION
1, 2	31 MAY 05/10:01 PM TO 1 JUNE 05/8:01AM	HAZARDOUS

Area enclosed by the following coordinates will be closed during the time specified above:

34	Deg	52	Min	N,	120	Deg	38	Min	W
34	Deg	52	Min	N,	120	Deg	34	Min	W
34	Deg	50	Min	N,	120	Deg	34	Min	W
34	Deg	50	Min	N,	120	Deg	38	Min	W

4. If there are any questions, please contact 2 ROPS/DOS at (805) 686-8825.

NAME, GRADE
Launch Forecaster
Attachment:
Distribution List
2 ROPS/ADO/DOF/DON
SLD 30/SEL
InDyne/ACC
DISTRIBUTION:
Harbor Master, Morro Bay
Harbor Master, Santa Barbara
Harbor Master, Oxnard
Harbor Master, San Luis
Harbor Master, Ventura Marina
Harbor Master, Port Hueneme
Commander, Eleventh Coast Guard

Attachment 4**ADDRESSES FOR HAZARD NOTICE "VANDENBERG AFB DANGER ZONE CLOSURES"****Figure A4.1. Addresses for Hazard Notice "Vandenberg AFB Danger Zone Closures".****PORT CONTROL OFFICES**

Morro

ATTN: Harbor Master

1275 Embarcadero

-2041\

Phone: (805) 772-1214, Ext 254

Phone: (805) 772-1217 after hours

FAX: (805) 772-6258

Port San Luis

ATTN: Harbor Master

Phone: (805) 595-5400

Ask for Harbor Patrol

FAX: (805) 595-5404

ATTN: Harbor Master

Drive

Phone: (805) 642-8618

FAX: (805) 658-2249

ATTN: Harbor Master

Phone: (805) 564-5520

FAX: (805) 897-2588

Port Services Officer (Code 63B)

Naval Construction Battalion Car

Phone: (805) 982-3121

ATTN: Harbor Master

Phone: (805) 385-8693

FAX: (805) 385-8698

COAST GUARD "BROADCAST NOTICES TO MARINERS"

Commander 11th Coast Guard District Attn: Aids to Navigation Section Federal Building
 501 West Ocean Blvd. SET 6200 Long Beach CA 90822-5399 Phone: (310) 980-4300,
 Ext. 507

Attachment 5

EXAMPLE OF ALTRV REQUEST

Figure A5.1. Example of ALTRV Request.

UNCLASSIFIED// FOR OFFICIAL USE ONLY

Subject: ALTRV APREQ 2 ROPS AIROP DO-0709 (1)**Originator:** 2ROPS DOS(UC)**DTG:** 112225Z Sep 07 **Precedence:** IMMEDIATE **DAC:** General**To:** 2ROPS DOS(UC), ACC(UC), LOS ANGELES ARTCC(UC), OAKLAND ARTCC(UC), WESTERN PACIFIC RGN OPS CTR(UC), NAVFRCOORD WESTERN US PT MUGU CA(UC), WASHINGTON CARF(UC)

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SUBJECT: ALTRV APREQ 2 ROPS AIROP DO-0709

1. STATIONARY ALTITUDE RESERVATION REQUEST FOR WESTERN RANGE OPERATION W4233 SURFACE TO UNLIMITED ALTITUDES WITHIN AN AREA BOUNDED BY THE FOLLOWING COORDINATES:

a. ASCENT DISPERSION AREA

- (1) 34 DEG 52 MIN N 120 DEG 51 MIN W
- (2) 34 DEG 52 MIN N 120 DEG 36 MIN W
- (3) 34 DEG 51 MIN N 120 DEG 36 MIN W
- (4) 34 DEG 49 MIN N 120 DEG 51 MIN W

b. FLIGHT INFORMATION REGION KZAK

- (1) 34 DEG 48 MIN N 126 DEG 24 MIN W
- (2) 34 DEG 51 MIN N 125 DEG 53 MIN W
- (3) 34 DEG 09 MIN N 125 DEG 48 MIN W
- (4) 34 DEG 07 MIN N 126 DEG 19 MIN W

c. FLIGHT INFORMATION REGION KZAK

- (1) 31 DEG 51 MIN N 153 DEG 49 MIN W
- (2) 34 DEG 15 MIN N 153 DEG 03 MIN W
- (3) 36 DEG 50 MIN N 138 DEG 36 MIN W
- (4) 35 DEG 34 MIN N 132 DEG 28 MIN W

THE ABOVE AREAS WILL BE CLOSED DAILY FROM 2002Z TO 0117Z FOR THE PERIOD BEGINNING 28 SEP 07 AND ENDING 03 OCT 07.

2. ADDITIONAL INFORMATION

- A. RESTRICTED AIRSPACE M1 AS PART OF W532, AND R2516 WILL BE CLOSED.
- B. FRONTIER CONTROL WILL NOTIFY LOS ANGELES/OAKLAND CENTER AT LEAST ONE HOUR PRIOR TO THE WITHDRAWAL OF RESTRICTED AIRSPACE M1 AS PART OF W532, AND R2516 AND RELEASE IT BACK UPON COMPLETION OF THE OPERATION.
- C. COORDINATION FOR USE OF WARNING AND RESTRICTED AREAS SHOWN IN PARA 1 HAS BEEN ACCOMPLISHED IAW FAA ORDER 7610.4 (SERIES).
- D. FAX ALTRV APPROVAL TO DSN 276-7086. PLEASE CONFIRM RECEIPT BY CONTACTING 2 ROPS/DOUS VIA DMS OR TELEPHONE AT DSN 276-8826 OR COMMERCIAL (805) 606-8826 OR EMAIL AT 2ROPS.DOS@VANDENBERG.AF.MIL. OFFICE HOURS 1500-0001Z DAILY MON-FRI.
- E. MARSAS IS IN EFFECT.

Figure A5.2. NOTAM Control Log.

NOTAM CONTROL LOG				
DELAYED HANDLING (if applicable)		DTG (YYMMDD)		
<input type="checkbox"/> = SPACE 1. DELETE "NOTAM" USING AUTODIN		4 0 2 0		
2. PRIORITY INDICATOR AND ADDRESSEE		5 1 2 3 4 5 6 7 8 9 0		
3. 4 DIG DTG & CAQ (if present)		1 2 3 4 5 6 7 8 9 0		
3. 4 DIG DTG & CAQ (if present)		1 2 3 4 5 6 7 8 9 0		
4. NEW NOTAM		1 2 3 4 5 6 7 8 9 0		
5. REPLACEMENT NUMBER		1 2 3 4 5 6 7 8 9 0		
6. CANCELLED		USE REVERSE SIDE		
7. INCIDENT (special use area)		1 2 3 4 5 6 7 8 9 0		
8. EFFECTIVE TIME: (for 5-digit time group)		1 2 3 4 5 6 7 8 9 0		
9. EXPIRATION TIME: (for 5-digit time group)		1 2 3 4 5 6 7 8 9 0		
10. TIME SCHEDULE (if applicable)		1 2 3 4 5 6 7 8 9 0		
11. TEXT (NOTAM Q Code, plus priority)		1 2 3 4 5 6 7 8 9 0		
12. LOCATION		1 2 3 4 5 6 7 8 9 0		
13. LOCATION		1 2 3 4 5 6 7 8 9 0		
14. FINANCIAL		1 2 3 4 5 6 7 8 9 0		
15. COORDINATE		1 2 3 4 5 6 7 8 9 0		
a. BASE EFLIGHT		1923	AER	
b. TO WEBER		HS	GG KVBC 131923 KC (MO17205 M... MO:7105 A) KVBC B) 06141500 C) 06141631 E) QFALC ;)	
c. ARTCC		N/A		
d. FSS		FAX		
e. LOCAL USE		AH		
f. LOCAL USE		BS		
g. POSTED TO DISPLAY		JC		
i. TIME SURMOR UPD RCVD		SK		
DD FORM 249, AUG 90 (E G)		PREVIOUS EDITIONS ARE OBSOLETE.		
		Designated Performance, VHS 10 OR, M...		

Attachment 6**SPECIAL USE AIRSPACE (EXAMPLE)****Figure A6.1. Special Use Airspace (Example).**

(Temporary Military Operations Area) Exercise Quick Force 95 (Effective June 14-20, 1995)
Quick Force TMOA, UT.

Boundaries. Beginning at lat. 30°23'00"N., long. 114°27'03"W.; to lat.39°23'00"N.,
long.114°03'03"W.; to lat. 39°11'00"N., long. 114°01'03"W.; thence to point of beginning.
Altitudes. 100 feet AGL to but not including FL 180. Time of use. 1330-2330 local time.
Controlling agency. FAA, Salt Lake City ARTCC. Using agency. USAF, USCENTAF
Battle Staff (USCENTAF/DOXE) Shaw AFB SC.

Attachment 7

EXAMPLE - RAILROAD NOTIFICATION LETTER

Figure A7.1. Example - Railroad Notification Letter.

27 Aug 21
MEMORANDUM FOR MANAGER, ROAD OPERATIONS (MRO), UNION PACIFIC RAILROAD (UPRR)
FROM: 2 ROPS/DON 1602 California Blvd Ste 248 Vandenberg SFB CA 93437-5233
SUBJECT: Space Launch Delta 30 (SLD 30) Range Safety Operations Requirements Railroad Posts for Western Range Operation W6678
1. The following SLD 30 Western Range schedule is provided for the week of 12 Sep 21: DATE / TIME (Primary) 12 Sep 21 at 08:15 AM through 12:30 PM (Back up) 13 Sep 21 at 08:15 AM through 12:30 PM RSOR RR POSTS 285-294
2. The Aerospace Surveillance Officer (ASO) will brief the UPRR MRO on any changes to train protection at T-180 minutes.
3. If you have any questions, please contact 2 ROPS/DOS at (805) 606-8825.
NAME, GRADE Airspace & Offshore Manager
cc: SLD 30/SEL 2 ROPS/DOF/DOS