

<b>Flight Procedure Tracking Form</b>		<b>Action:</b> AMENDMENT	<b>Task Type:</b> IAP	<b>Date Open:</b> 08/11/2010	<b>Task #:</b> 2010081126077901001	<b>Request #:</b> 20100811260779
<b>Procedure:</b> COPTER RNAV (GPS) 293 AMDT 1			<b>Airport ID:</b> KCL39	<b>Airport:</b> NAPA COUNTY FIRE DEPT.		<b>Reimbursable #:</b>
<b>City:</b> ST HELENA		<b>ST:</b> CA	<b>GPS #:</b>	<b>Estimated Chart Date:</b> 05/02/2013		<b>FICO #:</b> 1074462
<b>Fac ID:</b> RNAV			<b>Fac. Type:</b>			
			<b>Specialist:</b> ANDREW FIELDS			

### Procedure Review

	Rec'd	Rel'd	Full Name	Comments
<b>Lead:</b>				
<b>QA:</b>				<div style="text-align: right; font-size: small;"> <i>11.15.11</i>  <i>7.15.2013</i> </div>
<b>Liaison:</b>				<div style="text-align: right; font-size: small;"> <i>21 Aug 2013</i> </div>

<b>Procedure Comments:</b>	ENROUTE-NON	<b>Remark Type:</b> INFORMATION
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ST HELENA, CA NAPA COUNTY FIRE DEPT (KCL39) COPTER RNAV (GPS) 293, AMDT 1 ENROUTE-NO FC: 11.15.11 PUB: 1.12.12  
 ATTACHED FORMS: 8260-7; 8260-10; 8260-9; 8260-2(S): EHIHY, REV 1; IMZIB, REV 1; NOFTE, REV 1; PASFI, REV 1; VONXI, REV 1.  
 CONTACT: PETE GETZ/LONNIE EVERHART-AJV 354 LEADS, 405.954.4919/4576

# SPECIAL

ST HELENA, CALIFORNIA

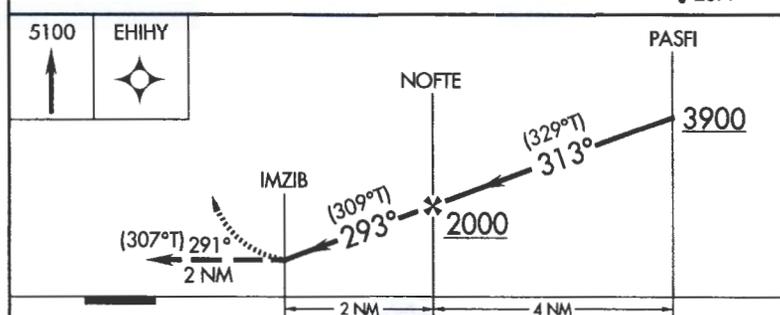
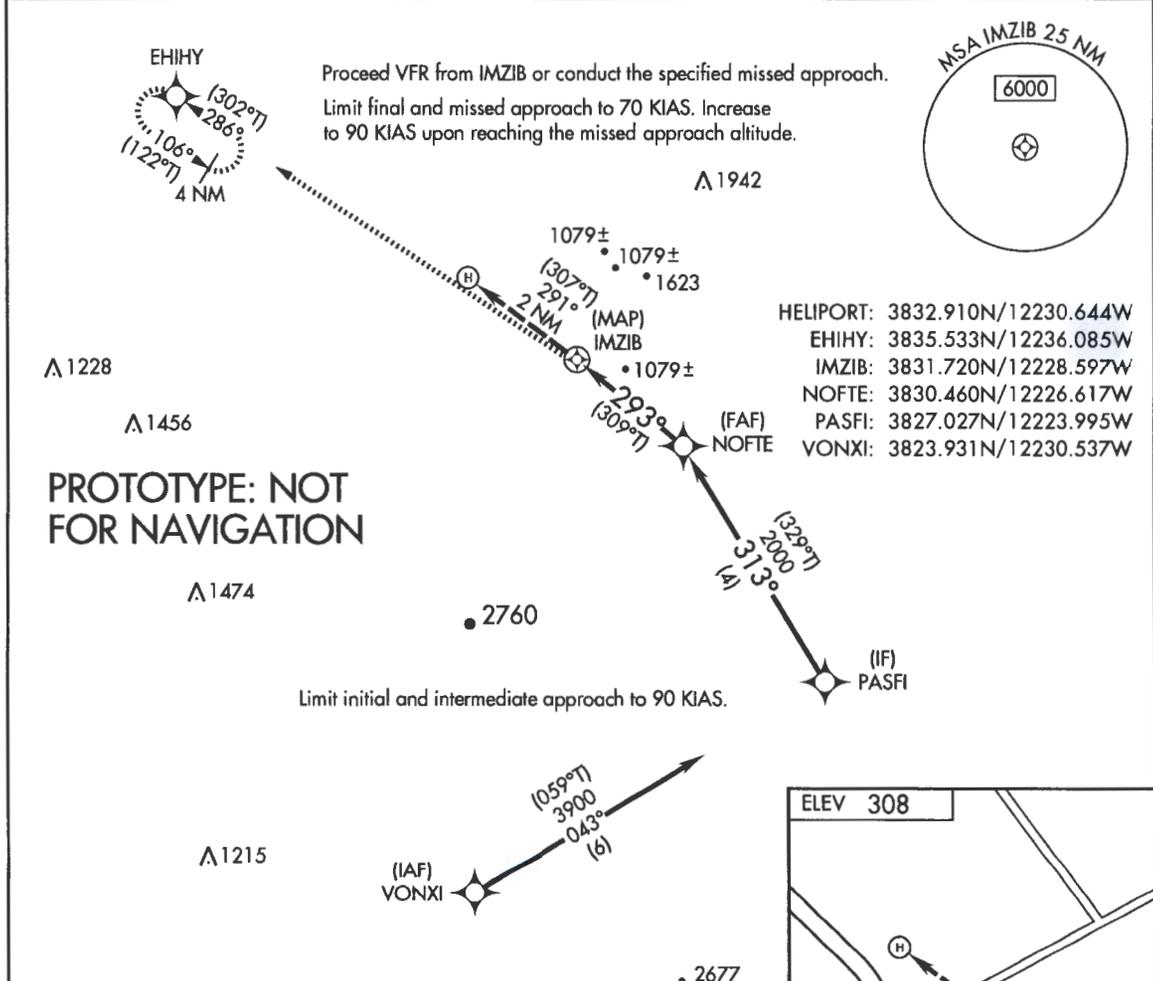
FIG

APP CRS <b>293°</b>	Rwy Idg Surface Elev Apt Elev	<b>N/A</b> 1079 <b>308</b>
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## COPTER RNAV (GPS) 293° NAPA COUNTY FIRE DEPT (CL39)

<p><b>▲ NA</b> Use Santa Rosa altimeter setting, when not received, use Napa altimeter setting and increase MDA 20 feet. Procedure NA at night except by prior arrangement for lighting. Contact Reach Communications 1-800-338-4045. Use of Napa County Fire Dept Heliport requires permission of the owner; use of this procedure requires specific authorization by FAA Flight Standards.</p>	<p><b>MISSED APPROACH:</b> Climb to 5100 direct EHIHY and hold, continue climb-in-hold.</p>
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ASOS 120.55	OAKLAND CENTER 127.8 353.8
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CATEGORY	COPTER
LNAV MDA	1400- 3/4-321



# SPECIAL

**U.S. DEPARTMENT OF TRANSPORTATION --  
FEDERAL AVIATION ADMINISTRATION -- FLIGHT STANDARDS SERVICE  
COPTER RNAV SPECIAL INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

**SPECIFICATION - NOT FOR COCKPIT USE**

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP:
VONXI (IAF) (40E)(43A)	PASFI (TF) (FB) (40E)(41E)(43B)	042.93 / 6.00	3900	LNAV: IMZIB
PASFI (IF) (40E)(43I)	NOFTE (TF) (FB) (40E)(43F)	313.03 / 4.00	2000	CLIMB TO 5100 DIRECT EHIHY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100.
NOFTE (FAF) (40E)(43M)	IMZIB (TF) (FO) (40E)(41Y)(43M)	293.03 / 2.00		
IMZIB (MAP) (40E)(41Y)(43M)	1400 MSL(CA) (42M)	293.03		
1400 MSL	EHIHY (DF) (FO) (40E)(41E)(43H)		5100	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT PASFI
- FAC: 293.03 FAF: NOFTE DIST FAF TO MAP: 2.00 THLD:
- MIN. ALT: PASFI 3900, NOFTE 2000
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH:
- MSA FROM: IMZIB 6000

**ADDITIONAL FLIGHT DATA:**  
 HOLD E, LT, 286.00 INBOUND.  
 FAS OBST: 1079 AAO 383135N/1222741W  
 CHART 1079 TERRAIN 383128.31N/1223054.12W  
 CHART 1079 TERRAIN 383317.49N/1222804.41W  
 CHART 1079 TERRAIN 383303.22N/122 27 52.06W  
 ROUTE TYPE: A,R  
 (SEE FORM 8260-10)

MAG VAR: 16E                      EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: SEE FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X									
CATEGORY =====>	COPTER														
	DH/MDA	VIS	HAS	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1400	3/4	321												

**NOTES:**  
 CHART NOTE: USE SANTA ROSA ALTIMETER SETTING, WHEN NOT RECEIVED, USE NAPA ALTIMETER SETTING AND INCREASE MDA 20 FEET.  
 CHART PLANVIEW NOTE: PROCEED VFR FROM IMZIB OR CONDUCT THE SPECIFIED MISSED APPROACH.  
 CHART PLANVIEW NOTE: LIMIT INITIAL AND INTERMEDIATE APPROACH TO 90 KIAS. LIMIT FINAL AND MISSED APPROACH TO 70 KIAS.  
 INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE.



CITY AND STATE ST HELENA, CA	SURFACE ELEVATION: 1079 AIRPORT NAME: NAPA COUNTY FIRE DEPT.	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: COPTER RNAV (GPS) 293, AMDT 1	SUP: COPTER GPS 293 AMDT: ORIG DATED: 05/25/1999
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NOTES CONTINUED:

AIR CARRIER NOTES:

The procedure on the other side and the foregoing data are hereby:

FLIGHT CHECKED BY

NAME:	JAMES N CRAWFORD	FIFO AJV-334C	DATE: 12/01/2011
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DEVELOPED BY

NAME:	A. J. FIELDS	FIFO AJV-354	DATE: 08/12/2011
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RECOMMENDED BY

NAME:	DEBORAH L. COPELAND	MANAGER	FIFO AJV-354	DATE:
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APPROVED BY

NAME:		REGION, FLT STANDARDS	DATE:
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OPERATIONS SPECIFICATIONS -- AIRPORT

\_\_\_\_\_ holding Air Carrier Operating Certificate No. \_\_\_\_\_ hereby acknowledges receipt of Operations Specifications

to operate into and out of the airport named on the other side as a  Regular,  Refueling,  Alternate,  Provisional for \_\_\_\_\_  
airport with the following type aircraft:

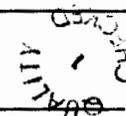
Unless otherwise authorized in the Operations Specifications - Airport, an instrument approach of this type shall be conducted in accordance with the procedure specified on the other side and the air carrier minimums specified above with the following exceptions:

DATE: \_\_\_\_\_ RECEIVED FOR THE AIR CARRIER BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

AMENDMENT NO. \_\_\_\_\_ SIGNATURE

BY DIRECTION OF THE ADMINISTRATOR \_\_\_\_\_ SIGNATURE TITLE

EFFECTIVE DATE: \_\_\_\_\_



U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION  
**COPTER RNAV SPECIAL INSTRUMENT APPROACH PROCEDURE --  
 FLIGHT STANDARDS SERVICE**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**ADDITIONAL FLIGHT DATA, (CONT.):**

CHART: STS VOR/DME

CHART NOTE: PROCEDURE NA AT NIGHT EXCEPT BY PRIOR ARRANGEMENT FOR LIGHTING. CONTACT REACH COMMUNICATIONS 1-800-338-4045.

CHART NOTE: USE OF NAPA COUNTY FIRE DEPT HELIPORT REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.

NAPA COUNTY FIRE DEPARTMENT HELIPORT, KCL39, 308' 290.51/2.00.

**REASONS, (CONT)**

TERMINAL ROUTES, LINE 4 TO COLUMN ADDED ( ) AROUND 42.  
 MISSED APPROACH LAST LINE ADDED TO 5100.

11/28/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/12/2011.

1. INCREASED VISIBILITY FROM 3/4 TO 1 NM IN MINIMUMS.
2. CORRECTED SPECIAL PROCEDURE NOTE TO READ "CHART NOTE: USE OF ST HELENA FIRE DEPT HELIPORT REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.

02/06/2013 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED 08/12/2011

1. CHANGED HELIPORT NAME ON ALL FAA FORMS 8260-7, 9 & 10 FROM ST HELENA FIRE DEPT TO NAPA COUNTY FIRE DEPT. FAA FORM 8260-7 ADDITIONAL FLIGHT DATA, (CONT.) PAGE 2 OF 2 CHART NOTE: USE OF ST HELENA FIRE DEPT HELIPORT REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS. TO CHART NOTE: USE OF NAPA COUNTY FIRE DEPT HELIPORT REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.
2. CHANGED ST HELENA FIRE DEPARTMENT HELIPORT, KCL39, 308' 290.51/2.00. TO NAPA COUNTY FIRE DEPARTMENT HELIPORT, KCL39, 308' 290.51/2.00.
3. PAGE 1 OF 2 BACK SIDE ADDED FLIGHT INSPECTION PILOT INFORMATION AND CHANGED APPROVED BY FROM DEZ SILAGYI TO DEBORAH COPELAND.
4. UPDATED FIG TO REFLECT CHANGES IN FORMS.
5. UPDATED ALL PROCEDURE MAPS TO REFLECT THE AIRPORT NAME CHANGE.

09/18/2013 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED 08/12/2011

1. CHANGED HAS FROM 1092 TO 321.
2. CHANGED VISIBILITY FROM 1 TO 3/4.

10/30/2013 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED 08/12/2011

1. CHANGED SURFACE ELEVATION FROM 308 TO 1079.



CITY AND STATE ST HELENA, CA	SURFACE ELEVATION: 1079 AIRPORT NAME: NAPA COUNTY FIRE DEPT.	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: COPTER RNAV (GPS) 293, AMDT 1	SUP: COPTER GPS 293
				AMDT: ORIG
				DATED: 05/25/1999

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE							
COORDINATED WITH: <table style="width:100%; border: none;"> <tr> <td style="text-align: center; padding: 2px;">ATA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">AAT <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">ALPA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">APA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">AOPA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">NBA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">OTHER (specify) <input type="checkbox"/></td> </tr> </table>			ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/>
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/>			
FLIGHT CHECKED BY									
NAME:	FIFO	DATE:							
DEVELOPED BY									
NAME:	FIFO	DATE:							
APPROVED BY									
NAME:	FIFO	DATE:							
CHANGES: <ol style="list-style-type: none"> <li>1. CHANGED NAME FROM, COPTER GPS 293 TO COPTER RNAV (GPS) 293. PROCEDURE TYPE CHANGED FROM VISUAL TO VFR.</li> <li>2. MOVED IMZIB 1 NM SOUTHEAST.</li> <li>3. MOVED EHIHY 1.21 NM WEST</li> <li>4. CHANGED HOLDING COURSE INBOUND FROM 292.96 TO 286.00, DIRECTION OF TURN CHANGED TO LEFT. LEG LENGTH CHANGED TO 4 DME.</li> <li>5. DISTANCE FROM NOFTE TO IMZIB REDUCED FROM 3 NM TO 2 NM.</li> <li>6. CHANGED MISSED APPROACH INSTRUCTION FROM CLIMB TO 4000 DIRECT EHIHY.</li> <li>7. CHANGED PRIMARY REMOTE ALTIMETER FROM ST HELENA FIRE DEPARTMENT TO SANTA ROSA (KSTS) AND ADDED REMOTE BACKUP ALTIMETER NAPA COUNTY (KAPC).</li> <li>8. RAISED MDA FROM 1079.</li> <li>9. REDUCED VISIBILITY TO 3/4 MILE.</li> <li>10. CHANGED NOTE: LIMIT HOLDING MAXIMUM AIRSPEED TO 90 KIAS.</li> <li>11. CHANGED NOTE: FROM MAP PROCEED VISUALLY TO LANDING SITE OR CONDUCT THE SPECIFIED MISSED APPROACH.</li> <li>12. REMOVED NOTE: VISUAL DESCENT PLANNED TO A -10 FOOT HOVER.</li> <li>13. CHANGED HAL FROM 772 TO HAS 1092.</li> <li>14. INCREASED MINIMUM ALTITUDE FROM VONXI TO PASFI FROM 3800.</li> <li>15. DECREASED MSA FROM 7200 TO 6000.</li> <li>16. ADDED CHART NOTE: PROCEDURE NA AT NIGHT EXCEPT BY PRIOR ARRANGEMENT FOR LIGHTING. CONTACT REACH COMMUNICATIONS 1-800-338-4045</li> <li>17. CHART NOTE: USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.</li> </ol>									
REASONS: <ol style="list-style-type: none"> <li>1. CURRENT NAMING CONVENTION.</li> <li>2 &amp; 5 EXTRA DISTANCE REQUIRED FOR CLIMB TO MITIGATE C-I-H OBSTACLES.</li> <li>3,4 &amp; 6. CHANGE IN HOLDING PATTERN TEMPLATE FROM TEMPLATE A TO TEMPLATE 4, IN ADDITION TO 246 FEET OF PRECIPITOUS TERRAIN CREATED NEW OBSTACLES TO MITIGATE.</li> <li>7. ST. HELENA FIRE DEPARTMENT AWOS DOES NOT EXIST.</li> <li>8. ADDITION OF AAO INCREASED MINIMUMS.</li> <li>9. FAAO 8260.3B PARAGRAPH 1127 C CRITERIA ALLOWS 1 MILE FOR HEIGHT ABOVE SURFACE OVER 800 FEET.</li> <li>10. TEMPLATE 4 IS A 100 KNOT PATTERN FOR HELICOPTERS.</li> <li>11. REQUESTED BY REACH AIR MEDICAL SERVICES.</li> <li>12. DESCENT BEYOND THE MAP IS A VFR NOT A VISUAL DESCENT.</li> <li>13. PROCEDURE TYPE CHANGED.</li> <li>14. AIRSPACE ADJUSTMENT.</li> <li>15. BASED ON OBSTACLE SEARCH IN IAPA.</li> <li>16 &amp; 17. NEW NOTES.</li> </ol>									
EDITS TO THIS FORM: ALL ARINC CODING, (TF) AND (CA) ADDED TO TERMINAL ROUTES. FAF ADDED TO NOFTE IN FROM ROUTE. COURSE 293.03 ADDED LINE 4 COURSE AND DISTANCE. ALTITUDE IN MISSED APPROACH CHANGED FROM 708 TO 5100. LINE 1 NA REMOVED. HAT/HAA CHANGED TO HAS. HAS REMOVED FROM MINIMUM LINE AND 1092 ENTERED. CHANGES AND REASONS WILL NOT PRINT ON THE SPECIAL AND WERE ADDED. ADJUSTMENTS ON THE -9 SECONDARY CHANGED FROM 0 TO 91.									





PART B - SUPPLEMENTAL DATA									
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE				3. ALTIMETER SETTING		
ZOA ARTCC			<input type="checkbox"/>	NWS	OTHER:		SOURCE:KSTS / KAPC		
			<input type="checkbox"/>	FAA	ASOS		DISTANCE: 14.42 / 22.84		
SATISFACTORY ON:			<input checked="" type="checkbox"/>	A/C			HOURS REMOTE OPERATION: 24 / 24		
<input checked="" type="checkbox"/>	VHF	<input type="checkbox"/>	UHF	<input type="checkbox"/>	HF	LOCATION: KSTS		ADJUSTMENT: 59 / 91	
4. MONITOR STATUS		PRIMARY NAVAID:							
		MONITOR POINT:							
		HRS	CAT 1						
		OPTN:	CAT 3						
5. APPROACH & RUNWAY LIGHTING		ALS							
		(S) SALS							
		MALS							
		HIRL							
		MIRL							
		REIL							
		TDZ							
		C/LINE							
		OTHER (SPECIFY)							
6. RUNWAY MARKINGS		BASIC							
		ALL WEATHER							
		INSTRUMENT							
7. RUNWAY VISUAL RANGE		APPROACH							
		MIDFIELD							
		ROLL OUT							
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:			
		DISTANCE FROM RWY:				ELEV GP ANTENNA:			
		THRESHOLD CROSSING HEIGHT:							
9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD				FT. FROM THRESHOLD			
		ON CENTERLINE				FT. FROM CENTERLINE			
10. WAIVERS: NONE									
PART D - PREPARED BY:						DATE:			
A. J. FIELDS						08/02/2011			
TITLE:						OFFICE:			
AERONAUTICAL INFORMATION SPECIALIST						AJV-354			

## PART C - REMARKS:

## RETAINED FROM ORIGINAL PROCEDURE:

1. BASIC "T" DESIGN WITH 20 DEGREE TURN AT FAF. RIGHT INITIAL SEG NOT USED.
2. FINAL APPROACH COURSE ALIGNED WITH POINT IN SPACE.
3. ST HELENA FIRE DEPARTMENT HRP, 383254.60/1223038.63, ELEV 308'.
4. 65' TREES IN FINAL BASED UPON TREE HEIGHT IN NAPA COUNTY OF 63' FROM US FORESTRY SERVICE (POC WALTER, PORTLAND LAB, 503-808-2000)

HELICOPTER ROUTES H5 MEA 4900 AND H6 MEA 4400. SOURCE OAKLAND CENTER AIRSPACE AND PROCEDURES MANAGER DAVE PAXTON 510 745 3267.

FOR AIRCREW TRAINING THE FOLLOWING AREAS IDENTIFY AREAS WERE RAPIDLY RISING TERRAIN WITHIN 10500 FEET OF THE MISSED APPROACH POINT BEGIN TO PENETRATE THE MDA.

- A. 1079 TERRAIN 383128.31N/1223054.12W
- B. 1079 TERRAIN 383317.49N/1222804.41W
- C. 1079 TERRAIN 383303.22N/122 27 52.06W

SEE ATTACHED AIRSPACE LETTER.

REACH AIR MEDICAL SERVICES ADVISED THEY WILL PROVIDE PORTABLE LIGHTING TO THE ST HELENA FIRE DEPARTMENT.

HAS BASED ON 1079 TERRAIN 383128.31N/1223054.12W.

08/02/2011  
AJV-354

# RADIO FIX AND HOLDING DATA RECORD

NAME: EHIHY STATE: CA COUNTRY: US

LATITUDE/LONGITUDE: 383531.95N/1223605.08W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

**FIX RESTRICTIONS:**  
SPECIAL COPTER RNAV (GPS) 293, KCL39, ST HELENA, CA

**HOLDING:** HOLDING TYPE OF ACTION: MODIFY

PATTERNS:											
PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	106.00	286.00	L	4	5100	5100	4	4

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPD	OBSTRUCTION			
1	100	AAO	384009.00N/1223800.00W	4544	4D

PRECIPITOUS TERRAIN ADDITIONS:		
PAT	SPEED	ADDITION
1	100	246

**REASON FOR NONSTANDARD HOLDING:**  
PAT 1 TERRAIN AVOIDANCE.

**HOLDING RESTRICTIONS:**  
HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	COPTER RNAV (GPS) 293		1	KCL39	ST HELENA	CA (US)

**REQUIRED CHARTING:** SPECIAL IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 12/15/2011

**REASON FOR REVISION:**

1. MOVED FIX FROM 383529.73N/1223432.76W, 1.21 NM WEST FOR OBSTACLE RELIEF.
2. REMOVED FIX MAKE-UP.
3. CHANGED HOLDING PATTERN FROM 292.96 CHANGED DIRECTIONS OF TURNS TO LEFT ADDED TERRAIN AVOIDANCE FOR THE REASON FOR NON STANDARD HOLDING. CHANGED FROM PATTERN A. CHANGED CONTROLLING OBSTACLE.
4. PATTERN 1 CONTROLLING OBSTACLE LOCATED 8829 FT INTO SECONDARY PRIMARY EQUIVALENT 3760. MINIMUM HOLDING ALTITUDE INCREASED FROM 4000 TO 5100 DUE TO CIH OBSTACLE EVALUATION AND PRECIPITOUS TERRAIN.
5. UPDATED FIX USE.
6. REMOVED REMARKS ADDED NEW REMARK PRECIPITOUS TERRAIN EVALUATION COMPLETE.

**DEVELOPED BY:** DATE: 08/02/2011 OFFICE: AJV-354 NAME: ANDREW FIELDS

**APPROVED BY:** DATE: OFFICE: AJV-354 NAME: DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY:  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: IMZIB

STATE: CA

COUNTRY: US

LATITUDE/LONGITUDE: 383143.21N/1222835.81W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

**FIX RESTRICTIONS:**

SPECIAL COPTER RNAV (GPS) 293, KCL39, ST HELENA, CA  
SPECIAL VONXI ONE (RNAV), KCL39, ST HELENA, CA

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE

USE TITLE

FAC PAT

AIRPORT IDENT

CITY

STATE

DP

VONXI ONE (RNAV)

KCL39

ST HELENA

CA (US)

IAP

COPTER RNAV (GPS) 293

KCL39

ST HELENA

CA (US)

REQUIRED CHARTING: SPECIAL DP, SPECIAL IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/15/2011

**REASON FOR REVISION:**

1. MOVED FIX FROM 383221.01N-1222935.23W, 1 NM SOUTHEAST.
2. REMOVED FIX MAKE-UP.
3. REMOVED REMARKS.
4. CHARTED DP, SPECIAL AND CONTROLLER.
5. UPDATED FIX USE.

DEVELOPED BY:

DATE: 08/12/2011

OFFICE: AJV-354

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY:

OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: NOFTE

STATE: CA

COUNTRY: US

LATITUDE/LONGITUDE: 383027.58N/1222637.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

**FIX RESTRICTIONS:**

SPECIAL COPTER RNAV (GPS) 293, KCL39, ST HELENA, CA  
SPECIAL VONXI ONE (RNAV), KCL39, ST HELENA, CA

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
DP  
IAP

USE TITLE  
VONXI ONE (RNAV)  
COPTER RNAV (GPS) 293

FAC PAT

AIRPORT IDENT  
KCL39  
KCL39

CITY  
ST HELENA  
ST HELENA

STATE  
CA (US)  
CA (US)

REQUIRED CHARTING: SPECIAL DP, SPECIAL IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/15/2011

**REASON FOR REVISION:**

1. CHARTED DP, SPECIAL AND CONTROLLER.
2. UPDATED FIX USE.

DEVELOPED BY:

DATE: 08/12/2011

OFFICE: AJV-354

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY:  
OTHER:

QUALITY  
6  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PASFI

STATE: CA

COUNTRY: US

LATITUDE/LONGITUDE: 382701.62N/1222359.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

**FIX RESTRICTIONS:**

SPECIAL COPTER RNAV (GPS) 293, KCL39, ST HELENA, CA  
SPECIAL VONXI ONE (RNAV), KCL39, ST HELENA, CA

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

DP

VONXI ONE (RNAV)

KCL39

ST HELENA

CA (US)

IAP

COPTER RNAV (GPS) 293

KCL39

ST HELENA

CA (US)

REQUIRED CHARTING: SPECIAL DP, SPECIAL IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/15/2011

**REASON FOR REVISION:**

1. CHARTED DP, SPECIAL AND CONTROLLER.
2. UPDATED FIX USE.

DEVELOPED BY:

DATE: 08/12/2011

OFFICE: AJV-354

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY:  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: VONXI

STATE: CA

COUNTRY: US

LATITUDE/LONGITUDE: 382355.83N/1223032.20W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

**FIX RESTRICTIONS:**

SPECIAL VONXI ONE (RNAV), KCL39, ST HELENA, CA  
SPECIAL COPTER RNAV (GPS) 293, KCL39, ST HELENA, CA

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
DP  
IAP

USE TITLE  
VONXI ONE (RNAV)  
COPTER RNAV (GPS) 293

FAC PAT

AIRPORT IDENT  
KCL39  
KCL39

CITY  
ST HELENA  
ST HELENA

STATE  
CA (US)  
CA (US)

REQUIRED CHARTING: SPECIAL DP, SPECIAL IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/15/2011

**REASON FOR REVISION:**

1. REMOVED FIX MAKE-UP.
2. UPDATED FIX USE.
3. CHARTED DP, SPECIAL AND CONTROLLER.

DEVELOPED BY:

DATE: 08/12/2011

OFFICE: AJV-354

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY:  
OTHER:

QUALITY  
6  
CHECKED

# TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ST HELENA**

STATE: **CA**

AIRPORT NAME: **ST HELENA FIRE DEPARTMENT**

ID: **KCL39**

PROCEDURE: **COPTER RNAV (GPS) 293**

AMDT: **1**

DOCKET # :

(96-AXX-X/Required/Not Required)

**ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.**

1. Distance from           **HRP**           to 1000' point           **3.66**            
(Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of           **FINAL**           segment at 1000' point           **1.99**            
(Enter appropriate segment , final, intermediate, etc.)
3. True Course of           **FINAL**           segment containing 1000' point           **309.03**
4. High Terrain in           **FINAL**           segment containing 1000' point           **900**
5. Distance from           **HRP**           to 1500' point           **4.60**            
(If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of           **INTERMEDIATE**           segment at 1500' point           **2.00**
7. True Course of           **INTERMEDIATE**           segment containing 1500' point           **329.03**
8. High Terrain in           **INTERMEDIATE**           segment containing 1500' point           **800**
9. Threshold Coordinates (if straight-in) ... \_\_\_\_\_ / \_\_\_\_\_
10. ARP Coordinates .....           **383254.60N** / **1223038.63W**
11. Runway Approach End and distance furthest from ARP.....RWY           **NA**            
Distance           **0**           NM
12. FAF Coordinates .....           **383027.58N** / **1222637.02W**            
(Click to Select)

**REMARKS: Approach/Drawing attached.**  
ARP IS HELIPORT LANDING AREA COORDINATES