

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<b><u>AIRPORT</u></b> HALF MOON BAY	<b><u>AIRPORT ID</u></b> KHAJ	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 12	<b><u>ORIGINAL/AMENDMENT</u></b> 1	<b><u>CITY</u></b> HALF MOON BAY	<b><u>STATE</u></b> CA
<b><u>AIRPORT ELEVATION</u></b> 66	<b><u>TDZE</u></b> 59	<b><u>SUPERSEDED</u></b> RNAV (GPS) Y RWY 12	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG	<b><u>DATED</u></b> 09/28/2006	<b><u>MAG VAR</u></b> 15E
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 28 FEBRUARY 2019	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 1995

**TERMINAL ROUTES** THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-03.

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
GOBBS	IAF	FUJCE		TF	FB	1.00	167.38	7.15	3000
FUJCE	IF	JEVXY		TF	FB	1.00	121.83	6.23	1700
JEVXY	FAF	RW12	MAP	TF	FO	0.30	121.89	4.87	
RW12	MAP	700 MSL		CA			121.89		
700 MSL		SEEMS		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW12

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT SEEMS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT FUJCE

3. FAC: 121.89

FAF: JEVXY

DIST FAF TO MAP: 4.87

DIST FAF TO THLD: 4.87

4. MIN ALT: FUJCE 3000, JEVXY 1700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

301 HAT: 0.80

GS ANT:

6. MIN GP INCPT: 1700

GP ALT AT FAF : JEVXY 1700

OM:

MM:

IM:

7. GP ANGLE: 3.10

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 40.0

8. MSA FROM: RW12 4500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA EAST OF RWY 12-30.  
CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART FAS OBST:519 TREE 373121.71N/1222926.87W  
CHART CIRCLING ICON.  
CHART VDP AT 1.04 NM TO RW12\*  
\*LNAV ONLY  
WAAS CHANNEL #99742  
REFERENCE PATH ID: W12A  
HOLD NW, RT, 144.00 INBOUND  
LTP HAE: -15.1 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	360	7/8	301	360	7/8	301	360	7/8	301	360	7/8	301			
LNAV/VNAV DA	652	1 3/4	593	652	1 3/4	593	652	1 3/4	593	652	1 3/4	593			
LNAV MDA	660	1	601	660	1	601	660	1 3/4	601	660	1 3/4	601			
CIRCLING	660	1	594	660	1	594	660	1 3/4	594	660	2	594			



CHANGES - REASONS

1. ATC REQUESTED TO COMBINE RNAV GPS Y RWY 12 AND RNAV GPS Z RWY 12 - NEW PROCEDURE NAME "RNAV (GPS) RWY 12"
3. ADDED LPV AND LNAV/VNAV LINES OF MINIMA AND ALL ASSOCIATED NOTES - ATC REQUEST LPV LINE OF MINIMA.
4. ADDED C AND D CATEGORIES - ATC REQUEST FOR CAT C AND D CIRCLING MINIMUMS.
5. MISSED APPROACH CHANGED FROM A CLIMBING RIGHT TURN TO 6000 TO A CLIMBING RIGHT TURN TO 4000 - ATC REQUEST.
6. PFAF MOVED 396.01 FEET NORTHWEST - MOVED TO MEET 3.10 GPA.
- 7.BACKUP ALTIMETER LINES OF MINIMA REMOVED - ADDED AS 8260-9 REMARK.
- 8.DISTANCE FROM FAF TO MAP/THLD CHANGED FROM 4.80 TO 4.87. - MOVED TO 3.10 GPA PFAF LOCATION.
- 9.20:1 IS CLEAR
10. NEW MDA/HAT CHANGED FROM 760/701 TO 660/601 - NEW CONTROLLING OBSTACLE
- 11.CIRCLING MDA/HAA CHANGED FROM 760/694 TO 660/594. APPLICATION OF EXPANDING CIRCLING CRITERIA, NEW OBSTACLES.
12. DELETED CHART NOTE: DME/DME RNP - 0.3 NA - NO LONGER REQUIRED PER 8260.19H CHAPTER 8.
13. ADDED RNP APCH TO PBN REQUIREMENTS NOTES - PER 8260.19H CHAPTER 8.
14. CHANGED CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - UPDATED TO CURRENT 8260.19H VERBIAGE.
15. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. APPLICATION OF CIRCLING CRITERIA.
16. CHANGED VDP FROM 1.98 NM TO RWY 12 TO 1.04 NM. CURRENT VDP CRITERIA.
17. ADDED \*LNAV ONLY TO ADDITIONAL FLIGHT DATA - LPV MINIMUMS ADDED.

12/27/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/10/2018.  
1. FUJCE TO JEVXY DISTANCE CHANGED FROM 6.30 TO 6.23 IN TERMINAL ROUTES.

COORDINATED WITH:

A4A ☐ALPA ☒AOPA ☒APA ☐HAI ☐NBAA ☒OTHER: NORCAL APP CON, ZOA, AMGR, WST FPT

FLIGHT CHECKED BY

THOMAS EDWARD MOLOKIE

Digitally signed by

DAVID DANNER

Jan 02, 2019

OFFICE

FIOG

DATE

12/09/2018

DEVELOPED BY

DAVID DANNER (JOSEPH HILLEY)

Digitally signed by

DAVID DANNER

Jan 02, 2019

OFFICE

AJV-5421

DATE

10/10/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

DAVID DANNER

Jan 02, 2019

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHAF
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	373100.9915N
LTP/FTP LONGITUDE	1223019.0000W
LTP/FTP ELLIPSOIDAL HEIGHT	-00151
FPAP LATITUDE	372955.8165N
FPAP LONGITUDE	1222902.5410W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1456
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7DCDB64B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00179
FPAP ORTHOMETRIC HEIGHT	+00179

