

**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.

<u>AIRPORT</u> MADERA MUNI	<u>AIRPORT ID</u> KMAE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MADERA	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 255	<u>TDZE</u> 255	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 07/21/2016	<u>MAG VAR</u> 13E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

**TERMINAL ROUTES**

<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>
BLEAR		KITBY		TF	FB	1.00	102.73	7.25	2000
NIVEE		JENYE		TF	FB	1.00	204.36	7.86	3500
KITBY	IAF	GEVRY		TF	FB	1.00	031.94	7.00	2000
JENYE	IAF	GEVRY		TF	FB	1.00	213.39	6.95	2000
GEVRY	IF	HATXI		TF	FB	1.00	302.13	6.10	1900
HATXI	FAF	KNOSP/1.80 NM TO RW30		TF	FB	0.30	302.07	3.26	
KNOSP/1.80 NM TO RW30		RW30	MAP	TF	FO	0.30	302.07	1.80	
RW30	MAP	800 MSL		CA			302.07		800
800 MSL		KITBY		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW30

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 TO KITBY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
2. PROFILE STARTS AT GEVRY
3. **FAC:** 302.07      **FAF:** HATXI                      **DIST FAF TO MAP:** 5.06                      **DIST FAF TO THLD:** 5.06
4. **MIN ALT:** GEVRY 2000, HATXI 1900, KNOSP/1.80 NM TO RW30 860\*
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **250 HAT:** 0.67                      **GS ANT:**
6. **MIN GP INCPT:** 1900                      **GP ALT AT FAF :** HATXI 1900                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 35.0
8. **MSA FROM:** RW30 5900

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3 C OR ABOVE 54 C.  
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV CAT A/B/C.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.  
 CHART VDP AT 1.10 NM TO RW30\*  
 \*LNAV ONLY  
 WAAS CHANNEL #90209  
 REFERENCE PATH ID: W30A  
 CHART FAS OBST: 328 TOWER 365912N/1200606W.  
 HOLD NW, RT, 119.00 INBOUND  
 LTP HAE: 45.1 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD

CATEGORY:	A			B			C			D			E		
	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	505	3/4	250	505	3/4	250	505	3/4	250		NA				
LNAV/VNAV DA	505	3/4	250	505	3/4	250	505	3/4	250		NA				
LNAV MDA	640	3/4	385	640	3/4	385	640	7/8	385		NA				
CIRCLING	680	1	425	720	1	465	740	1 1/2	485		NA				



**CHANGES - REASONS**

1. REMOVED INITIAL FROM CLOVIS VORTAC TO GEVRY- PER RAPT REQUEST.
2. REMOVED FEEDER FROM BEREN TO JENYE - PER RAPT REQUEST.
3. ADDED FEEDER FROM NIVEE TO JENYE - PER RAPT REQUEST.
4. CHANGED COURSE/DISTANCE FROM BLEAR TO KITBY FROM 102.28/7.09 TO 102.73/7.25 - KITBY MOVED 0.17 NM SE.
5. CHANGED COURSE/DISTANCE FROM JENYE TO GEVRY FROM 213.06/7.00 TO 213.39/6.95 - JENYE MOVED 0.21 NM SE, GEVRY MOVED 0.17 NM SE.
6. CHANGED DISTANCE FROM GEVRY TO HATXI FROM 5.93 NM TO 6.10 NM - GEVRY MOVED 0.17 NM SE, HATXI MOVED 19 FT NW.
7. CHANGED TCH FROM 34 FT TO 35 FT - MINIMUM TCH FOR WHEEL HEIGHT GROUP 2, 8260.58A TABLE 1-3-1.
8. CHANGED CHART NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4 C (25 F) OR ABOVE 54 C (130 F) TO: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3 C OR ABOVE 54 C - NEW TEMPERATURE DATA, CURRENT NOTATION PER 8260.19H 8-7-1C.
9. CHANGED MISSED APPROACH INSTRUCTIONS FROM: CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT KITBY AND HOLD TO: CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 TO KITBY AND HOLD - LPV SECTION 1 END ALTITUDE 705.01 FT, RAISED CLIMB TO ALTITUDE TO NEXT 100 FT.
10. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH TO EQUIPMENT REQUIREMENT NOTES - CURRENT NOTATION PER 8260.19H.
11. REMOVED BACKUP ALTIMETER SETTING AND ASSOCIATED VDP NA NOTES - MOVED TO -9 AS A CONTINGENCY NOTE.
12. CHANGED CIRCLING MDA/HAA CAT A FROM 680/425 TO 660/405, CAT C FROM 720/465 TO 740/485 - NEW CONTROLLING OBSTACLES.
13. FPAP COORDINATES CHANGED FROM 370002.6800N-1200739.2800W TO 370002.6755N-1200739.2850W - TARGETS DERIVED.
14. CRC REMAINDER CHANGED FROM CF41D167 TO 83E2500B - CHANGES IN FPAP COORDINATES, TCH.
15. CHANGED LPV VISIBILITY ALL CATS FROM 7/8 SM TO 3/4 SM - 8260.3D TABLE 3-3-1.
16. CHANGED LNAV/VNAV VISIBILITY ALL CATS FROM 7/8 SM TO 3/4 SM - 8260.3D TABLE 3-3-1.
17. CHANGED LNAV VISIBILITY CAT A/B FROM 1 SM TO 3/4 SM, CAT C FROM 3/4 SM TO 7/8 SM - 8260.3D TABLE 3-3-1, TABLE 3-3-3, TABLE 3-3-4.
18. FAC CHANGED FROM 302.08 TO 302.07 - HATXI MOVED 19 FT NW.
19. CHANGED CHART FAS OBSTACLE FROM 319 TREE 365848N/1200506W TO 328 TOWER 365912N/1200606W - NEW CONTROLLING OBSTACLE.
20. CHART VDP AT 0.91 MILES TO RWY 30 CHANGED TO 1.10 NM TO RWY 30 - 8260.3D 2-6-5.
21. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV CAT A/B/C - IAW INOPERATIVE LIGHTING TABLE.

05/29/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/12/18.

1. ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

7/19/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/31/2019.

1. CHANGED CAT A CIRCLING MDA/HAA FROM 660/405 TO 680/425.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: FAT APP CON, AMGR, ZOA

**FLIGHT CHECKED BY**  
DANIEL WILLIAM KIRBY

*Digitally signed by*  
**CASIMIR L TABAKA**

Jul 22, 2019

**OFFICE**  
FIOG

**DATE**  
05/23/2019

**DEVELOPED BY**  
DAVID DANNER (ANTHONY CAPPABIANCO)

*Digitally signed by*  
**CASIMIR L TABAKA**

Jul 22, 2019

**OFFICE**  
AJV-5421

**DATE**  
11/12/2018

**APPROVED BY**  
JULIE MORGAN

*Digitally signed by*  
**CASIMIR L TABAKA**

Jul 22, 2019

**OFFICE**  
AJV-5420

**DATE**

**TITLE**  
MANAGER



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAE
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	365859.5715N
LTP/FTP LONGITUDE	1200620.6675W
LTP/FTP ELLIPSOIDAL HEIGHT	+00451
FPAP LATITUDE	370002.6755N
FPAP LONGITUDE	1200739.2850W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1064
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	83E2500B

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00777
FPAP ORTHOMETRIC HEIGHT	+00777

