

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				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.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW12 CLIMB TO 700, THEN CLIMBING RIGHT TURN TO 2000 DIRECT KITBY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 119.00 INBOUND. CHART FAS OBST: 304 TREE 370000N/1200733W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. *LNAV ONLY. CHART VDP AT 0.87 MILES TO RW12* WAAS CHANNEL # 62909 REFERENCE PATH ID: W12A CHART CIRCLING ICON LTP HAE: 43.5 M						
BLEAR		RUGUE (FB)		310.35 / 16.43				2000								
RUGUE (IAF)		IDAYI (FB)		031.94 / 7.00				2000								
UYOKA (IAF)		IDAYI (FB)		212.00 / 8.75				2000								
IDAYI (IF)		FOSAB (FB)		121.92 / 5.93				1900								
FOSAB (FAF)		CIVSI/2.50 NM TO RW12 (FB)		121.98 / 2.57												
CIVSI/2.50 NM TO RW12		RW12 (MAP) (FO)		121.98 / 2.50												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT IDAYI 3. FAC: <u>121.98</u> FAF: <u>FOSAB</u> DIST FAF TO MAP: <u>5.08</u> THLD: <u>5.08</u> 4. MIN. ALT: <u>IDAYI 2000, FOSAB 1900, CIVSI/2.50 NM TO RW12 1080*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>FOSAB 1900</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>34.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW12 5800</u>										MAG VAR: 13E EPOCH YEAR: 2020						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	503	7/8	250	503	7/8	250	503	7/8	250		NA					
LNAV/VNAV DA	503	7/8	250	503	7/8	250	503	7/8	250		NA					
LNAV MDA	560	1	307	560	1	307	560	7/8	307		NA					
CIRCLING	680	1	425	720	1	465	720	1 1/2	465		NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: CIRCLING NA TO RWYS 8 AND 26. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UYOKA ON V23 NORTHWEST BOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 255 TDZE: 253				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
MADERA, CA		AIRPORT NAME: MADERA MUNI						RNAV (GPS) RWY 12, AMDT 1				AMDT: ORIG-A				
												DATED 11/13/2014				

QUALITY
 18
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div>FAT APP CON, AMGR, ZOA</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div>Digitally signed by KISSY MAXFIELD KISSY MAXFIELD Mar 19, 2016</div>				FIFO AJV-5431	DATE: 02/19/2016
APPROVED BY					
NAME: <div>LONNIE EVERHART MANAGER</div>				FIFO AJV-5430	DATE:
CHANGES:					
<div>1. MAGVAR UPDATED FROM 16E TO 13E, ALL AFFECTED COURSES UPDATED. 2. BLEAR TO RUGUE COURSE AND DISTANCE CHANGED FROM 314.11/16.83 TO 310.35/16.43. 3. RUGUE TO IDAYI COURSE/DISTANCE CHANGED FROM 028.88/5.00 TO 031.94/7.00. 4. IDAYI TO FOSAB DISTANCE CHANGED FROM 6.00 TO 5.93. 5. LNAV SDF ADDED (CIVSI). 6. DISTANCE FAF TO MAP/THLD CHANGED FROM 5.01 TO 5.08. 7. MSA CHANGED FROM 5900 TO 5800. 8. LPV ALL CATS VISIBILITY CHANGED FROM 1 TO 7/8. 9. LNAV/VNAV DA/HAT ALL CATS CHANGED FROM 569/316 TO 503/250, VISIBILITY ALL CATS CHANGED FROM 1 1/4 TO 7/8. 10. LNAV ALL CATS MDA/HAT CHANGED FROM 800/547 TO 560/307, CAT C VISIBILITY CHANGED FROM 1 1/2 TO 1. 11. CIRCLING CAT A MDA/HAT CHANGED FROM 800/545 TO 680/425, CAT B AND C CHANGED FROM 800/545 TO 720/465. 12. BARO-VNAV MIN TEMP CHANGED FROM -15C (5F) TO -4C (25F). 13.CHANGED CIRCLING NA NOTE FROM, CIRCLING NA TO RWY 7/25 TO CIRCLING NA TO RWYS 8 AND 26. 14.ADDED PROCEDURE NA FOR ARRIVALS AT UYUKA AND BLEAR NOTES. (SEE FORM 8260-10)</div>					
REASONS:					
<div>1. MAGVAR WAS OUT OF TOLLERANCE. 2, 3. RUGUE FIX MOVED 2 NM. 4, 6. PFAF MOVED. 5. MITIGATE AAO OBS. 7. BASED ON SPOT ELEVATION. 8. USED NEW VISI CALCULATOR. 9, 10, 11. NEW LOWER CONTROLLING OBS. 12. BASED ON 5 YEAR AVERAGE, 2011-2015. 13. RUNWAY NUMBERS CHANGED. 14. TURNS EXCEED 90 DEGREES. 15. UPDATED TO NEW HEIGHT. 16. ELLIPSOIDAL HEIGHT CHANGED FROM 00436 TO 00435. 17. 34:1 CLEAR. (SEE FORM 8260-10)</div>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW12 (MAP)	700 MSL	121.98	700
700 MSL	KITBY (FO)		2000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BLEAR ON V230-585 NORTHEAST BOUND.

CHART NOTE: BARO-VNAV NA WHEN USING FRESNO YOSEMITE INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRESNO YOSEMITE INTL ALTIMETER SETTING AND INCREASE ALL DA 64 FEET AND ALL VISIBILITY 1/4 MILE; INCREASE ALL MDA 80 FEET AND ALL VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING FRESNO YOSEMITE INTL ALTIMETER SETTING.

CITY AND STATE
MADERA, CA

ELEVATION: 255 TDZE: 253
AIRPORT NAME:
MADERA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 12, AMDT 1

SUP:
AMDT: ORIG-A
DATED: 11/13/2014

QUALITY
18
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>15. LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM 436 TO 435.</div> <div>16. CRC REMAINDER CHANGED FROM C090275D TO 0D55571E.</div> <div>17. DELETED HELICOPTER NOTE.</div> <div>18. VDP DISTANCE CHANGED FROM 1.62 TO 0.87.</div> <div>19. ADDED CIRCLING ICON.</div> <div>20. UPDATED MISS APPROACH FROM CLIMB TO 2000 DIRECT HATXI AND VIA 087 TRACK TO CZQ VORTAC AND HOLD TO CLIMB TO 700, THEN CLIMBING RIGHT TURN TO 2000 DIRECT KITBY AND HOLD.</div>					
<div>REASONS:</div> <div>REASONS CONT.</div> <div>18. MDA ALT LOWERED.</div> <div>19. NEW CIRCLING AREA.</div> <div>20. UPDATED PER ATC REQUEST.</div>					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAE
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	365938.3495N
LTP/FTP LONGITUDE	1200708.9730W
LTP/FTP ELLIPSOIDAL HEIGHT	+00435
FPAP LATITUDE	365835.2400N
FPAP LONGITUDE	1200550.3700W
THRESHOLD CROSSING HEIGHT (TCH)	00034.0
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
 <u>CRC REMAINDER</u>	 0D55571E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00761
FPAP ORTHOMETRIC HEIGHT	+00761

CITY AND STATE

MADERA, CA

ELEVATION: 255

TDZE: 253

AIRPORT NAME:

MADERA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, AMDT 1

SUP:

AMDT:

DATED:

 QUALITY
18
CHECKED

ORIG-A

11/13/2014

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <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:					
REASONS:					

INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES

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.

CITY AND STATE

ELEVATION:

TDZE:

FACILITY
IDENTIFIER:

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

SUP:

AMDT:

DATED:



ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.		
FEEDER		BLEAR	RUGUE	1. AAO	370000.00N/1201733.00W	440 (2E)	1000	AT560	2000		
				2. TERRAIN	370000.00N/1201733.00W	240 (200)		AS1500	1700		
INITIAL		RUGUE	IDAYI	3. AAO	370815.00N/1201900.00W	456 (3E)	1000	AT544	2000		
				4. TERRAIN	370815.00N/1201900.00W	256 (300)		AS1500	1800		
INITIAL		UYOKA	IDAYI	5. TOWER (06-002275)	371301.40N/1201158.92W	705 (3C)	1000	AT295	2000		
				6. TERRAIN	371454.00N/1200900.00W	420 (400)		AS1500	1900		
INTERMEDIATE		IDAYI	FOSAB	7. AAO	370821.00N/1201103.00W	584 (3E)	500	AC96	1200		
				8. TERRAIN	370821.00N/1201103.00W	384 (400)		AS1500	1900		
FINAL: LPV		FOSAB	RW12	9. RD(N) (KMAEL001)	365947.24N/1200712.70W	264 (1B)	27.03:1		503/250		
FINAL: LNAV/VNAV		FOSAB	RW12				ASC		503/250		
FINAL: LNAV		FOSAB	CIVSI/2.50 NM TO RW12	10. AAO	370145.00N/1201048.00W	434 (2C)	250	DG332 RA64	1080		
FINAL: LNAV STEPDOWN		CIVSI/2.50 NM TO RW12	RW12	11. TREE	370000.00N/1200733.00W	304 (2C)	250		560		
2. PROCEDURE TURN		NA									
3. MISSED APPROACH	MAP:	DA / DA / RW12	KITBY				ASC		2000		
	ELEV:	313/369/460		12. TOWER (06-038056)	365507.56N/1200708.30W	575 (5D)	1000		1600		
				13. TERRAIN	365657.00N/1200215.00W	266 (300)		AS1500	1800		
4. CIRCLING AREA		DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	425	14. TREE	370009.00N/1200533.00W	364 (2C)	300		680
CATEGORY B	1.5 NM		450		465	14. TREE	370009.00N/1200533.00W	364 (2C)	300	HAA	720
CATEGORY C	1.7 NM		450		465	14. TREE	370009.00N/1200533.00W	364 (2C)	300	HAA	720
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES					PRIMARY NAVAID: RW12						
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
360-360	AAO	031/28.3	4740 (2A)	5800							
CITY AND STATE		ELEVATION: 255		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION			
MADERA, CA		AIRPORT NAME: MADERA MUNI		RNAV		RNAV (GPS) RWY 12, AMDT 1		AWP QUALITY 18 CHECKED			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. CRITICAL TEMPERATURES: DESCENT RATE: STANDARD TEMP 820 HIGH TEMP 1112. CRITICAL LOW :-4C (+25F) CRITICAL HIGH :+54C (+130F) ACT :-4C APT ISA :+14.49C ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.85NM NO ADDITIONAL AIRSPACE REQUIRED CIRCLING TO RUNWAY 8/26 NA PER ATC. TAA NOT USED, REGION POLICY. HOLD-IN-LIEU NOT USED ATC REQUEST. LPV SLOPE: 34:1 LNAV/VNAV SLOPE: 22.25:1 KMAE ASOS ON SERVICE A KFAT ASOS ON SERVICE A VGSI DATA: 3.00/34 LNAV CAT C VISIBILITY 7/8, RAISED TO 1 SM TO MATCH CAT A/B VIS. VEGETATION USED 60 PER IFP REQUEST CHECKLIST. 5 YEAR AVERAGE COLD TEMP USED, 2011-2015. RASS PRESSURE PATTERNS SAME KMAE: 255.2 KFAT: 335.9 KMAE/KFAT DISTANCE: 22.85 NM ADJUSTMENT: 64 FT																			
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE															3. ALTIMETER SETTING									
ZOA ARTCC FAT APP CON NORCAL APP CON RIU FSS							N W S		OTHER: ASOS											SOURCE:KMAE									
							F A A													DISTANCE:									
							A / C													HOURS REMOTE OPERATION:									
SATISFACTORY ON:																				LOCATION: KMAE					ADJUSTMENT: 0				
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1				CAT 3																					
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
		X		MALSF 30 (PCL)																									
				HIRL																									
		X		MIRL 12 (PCL), 30 (PCL)																									
		X		REIL 12																									
				TDZ																									
				C/LINE																									
		X		OTHER (SPECIFY) PAPI-2L 12 (PCL), 30 (PCL)																									
6. RUNWAY MARKINGS		BASIC																											
		ALL WEATHER																											
		INSTRUMENT NPI-G 30; -F 08, 12																											
7. RUNWAY VISUAL RANGE		APPROACH																											
		MIDFIELD																											
		ROLL OUT																											
8. GLIDE PATH		GP ANGLE: 3.00						ELEV RWY THRESHOLD:249.8																					
		DISTANCE FROM RWY:						ELEV GP ANTENNA:																					
								THRESHOLD CROSSING HEIGHT:34.0																					
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD						FT. FROM THRESHOLD																	
				X		ON CENTERLINE						FT. FROM CENTERLINE																	
10. WAIVERS: NONE																													
PART D - PREPARED BY: KISSY MAXFIELD										DATE: 02/19/2016																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5431																			

