

**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> MARINA MUNI	<u>AIRPORT ID</u> KOAR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MARINA	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 137	<u>TDZE</u> 137	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/11/2010	<u>MAG VAR</u> 15E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

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>
HAGRO	IAF	COVAR		TF	FB	1.00	304.14	4.49	4000
COVAR	IF	FOGON		TF	FB	1.00	276.38	6.32	2100
FOGON	FAF	ICULU/2.13 NM TO RW29		TF	FB	0.30	287.75	3.89	
ICULU/2.13 NM TO RW29		RW29	MAP	TF	FO	0.30	287.75	2.13	
RW29	MAP	537 MSL		CA			287.75		
537 MSL		FOMET		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT FOMET AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT COVAR

3. FAC: 287.75 FAF: FOGON DIST FAF TO MAP: 6.02 DIST FAF TO THLD: 6.02

4. MIN ALT: COVAR 4000, FOGON 2100, ICULU/2.13 NM TO RW29 880

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:

6. MIN GP INCPT: GP ALT AT FAF :

7. GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: RW29 6300

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAGRO ON V25 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

779 AAO 363632N/1214005W
CHART FAS OBST: 290 TANK 364034N/1214550W.
FOGON TO RW29: 3.00/45.
CHART CIRCLING ICON.
CHART VDP AT 1.31 NM TO RW29
HOLD W, RT, 107.58 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☒

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
LNAV MDA	600	1	463	600	1	463		NA			NA				
CIRCLING	640	1	503	760	1	623		NA			NA				



CHANGES - REASONS

1. CHANGED TCH TO 45 AND GPA TO 3.00 - COINCIDE WITH VGSI.
2. UPDATED INTERMEDIATE SEGMENT COURSE FROM COVAR FROM "276.52" TO "276.38" - NEW FOGON (FAF) COORDINATES.
3. UPDATED FINAL SEGMENT DISTANCE FROM ICULU TO AER FROM "2.20 NM" TO "2.13 NM" - NEW WP COORDINATES.
4. REMOVED "DME/DME RNP 0.3 NA" AND ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES SECTION - IAW 8260.19H PARA 8-6-8.
5. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED.
6. UPDATED CHART FAS OBST FROM "339 TREE 362935N/1214418W" TO "290 TANK 364034N/1214550W."
7. ADDED CA LEG TO MISSED SEGMENT - CODING REQUIREMENT.
8. MISSED APPROACH CHANGED FROM "CLIMBING LEFT TURN TO 2700 DIRECT FOMET AND HOLD" TO "CLIMB TO 2700 DIRECT FOMET AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700" - PER TARGETS BUILD.
9. REMOVED BACKUP ALTIMETER - MOVED TO -9 AS A CONTINGENCY NOTE.
10. ADDED VDP - AIRPORT NOW HAS LOCAL ALTIMETER SOURCE.
11. LNAV MDA/HAT CHANGED FROM 640/503 TO 600/463 - NEW CONTROLLING OBSTACLE.
12. CIRCLING CAT A MDA/HAA CHANGED FROM 680/543 TO 640/503, CAT B FROM 740/603 TO 760/623 - NEW CONTOLLING OBSTACLE.

COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** MRY APCH, AMGR, CA AERO.

FLIGHT CHECKED BY

THOMAS E MOLOKIE

*Digitally signed by***DONALD H LANIER**

Jun 09, 2020

OFFICE

FICO

DATE

06/04/2020

DEVELOPED BY

DONALD H. LANIER (ROSALYN REOLA)

*Digitally signed by***DONALD H LANIER**

Jun 09, 2020

OFFICE

AJV-A431

DATE

01/29/2020

APPROVED BY

GEORGE DAVIS

*Digitally signed by***DONALD H LANIER**

Jun 09, 2020

OFFICE

AJV-A430

DATE**TITLE**
MANAGERQUALITY
10
CHECKED