

**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 ID</u> KGOO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> GRASS VALLEY	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 3158	<u>TDZE</u> 3131	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 12/03/2020	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
MRGGO	IF/IAF	ULAHY		TF	FB	1.00	074.53	8.76	4300
ULAHY	FAF	RW07	MAP	TF	FO	0.30	071.25	3.73	
RW07	MAP	3900 MSL		CA			071.25		3900
3900 MSL		MRGGO		DF	FO	1.00			6000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 250 KIAS UNTIL MRGGO) CLIMB TO 3900 THEN CLIMBING RIGHT TURN TO 6000 DIRECT MRGGO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT MRGGO
3. FAC: 071.25 FAF: ULAHY DIST FAF TO MAP: 3.73 DIST FAF TO THLD: 3.73
4. MIN ALT: MRGGO 5000, ULAHY 4300
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 475 HAT: 1.56 GS ANT:
6. MIN GP INCPT: 4300 GP ALT AT FAF: ULAHY 4300 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM: RW07 9700



PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NORTH OF RWY 07-25.

CHART NOTE: CIRCLING RWY 25 NA AT NIGHT.

CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MRGGO ON V332 NORTHWEST BOUND AND V200 WESTBOUND.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 304.46 INBOUND.

CHART FAS OBST: 3201 TREE 391343N/1210019W.

CHART VDP AT 2.34 NM TO RW07*

*LNAV ONLY.

WAAS CHANNEL # 90240

REFERENCE PATH ID: W07A

CHART CIRCLING ICON.

LTP HAE: 910.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	3606	1 3/8	475	3606	1 3/8	475	3606	1 3/8	475	3606	1 3/8	475			
LNAV/VNAV DA	3772	1 7/8	641	3772	1 7/8	641	3772	1 7/8	641	3772	1 7/8	641			
LNAV MDA	3860	1	729	3860	1	729	3860	2	729	3860	2	729			
CIRCLING	3860	1	702	3860	1	702	3880	2	722	3880	2 1/4	722			

CHANGES - REASONS

1. CHANGES FROM NOTAMS, FDC 0/1559 AND FDC 0/1635 FOR RNAV (GPS) RWY 7, ORIG-C INCORPORATED INTO THIS AMENDMENT. - IAW 8260.19I PARA 8-3-4 C(3).
2. ADDED CHART NOTE CIRCLING NA RWY 25 AT NIGHT. - 20:1 PENETRATIONS EXIST/8260.19I, 8-6-11.O (2)(G).
3. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - IAW 8260.19I, 8-6-11.B (4).
4. ADDED VDP. - 20:1 AREA IS CLEAR.



AIRPORT ID
KGOO

PROCEDURE NAME
RNAV (GPS) RWY 7

ORIGINAL/AMENDMENT
ORIG-D

CITY
GRASS VALLEY

STATE
CA

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by
JON DENTON
Jan 20, 2021

DATE

DEVELOPED BY

JON DENTON (KATHERINE EUBANKS)

Digitally signed by

JON DENTON
Jan 20, 2021

OFFICE

AJV-A432

DATE

12/03/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON
Jan 20, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGOO
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	391325.5355N
LTP/FTP LONGITUDE	1210038.7220W
LTP/FTP ELLIPSOIDAL HEIGHT	+09101
FPAP LATITUDE	391329.7130N
FPAP LONGITUDE	1205844.1875W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1424
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	875BF440

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+09359
FPAP ORTHOMETRIC HEIGHT	+09359

