

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23**

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> KRNO	<u>PROCEDURE NAME</u> VOR-D	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> RENO	<u>STATE</u> NV	
<u>AIRPORT ELEVATION</u> 4415	<u>TDZE</u>	<u>SUPERSEDED</u> VOR-D	<u>ORIGINAL/AMENDMENT</u> 7A	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 16E
<u>FACILITY</u> FMG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> 11/03/2022	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE

**MISSED APPROACH**

**MAP:**  
5.14 NM AFTER FMG VORTAC OR AT JINTU/5.14 DME

**MISSED APPROACH INSTRUCTIONS:**  
CLIMB TO 7000 THEN CLIMBING RIGHT TURN TO 10000 DIRECT FMG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT R SIDE OF COURSE 059.00 OUTBOUND 9600 FT WITHIN 10 MILES OF FMG VORTAC (IAF)
- 2.
3. FAF: 239.00 FAF: FMG VORTAC DIST FAF TO MAP: 5.14 DIST FAF TO THLD:
4. MIN ALT: FMG VORTAC 8100
8. MSA FROM: FMG VORTAC 130-250 12000, 250-350 10000, 350-130 9600

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**  
CHART NOTE: CIRCLING RWY 8 NA AT NIGHT



**ADDITIONAL FLIGHT DATA:**

FAC 2040 FT SOUTH OF RWY 17L THLD  
6140 AAO 393157N/1193924W  
HOLD NE, LT, 221.13 INBOUND.  
FAS OBST: 5760 AAO 393132N/1194036W.  
CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA  CAT A, B 1900-2, CAT C, D 2100-3

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
CIRCLING	6300	1 1/4	1885	6300	1 1/2	1885	6460	3	2045	6460	3	2045				

**CHANGES - REASONS**

INCORPORATED P-NOTAM FOR AMENDMENT 7A INTO THIS AMENDMENT.  
CHANGE MAP FROM "BREAD" TO "JINTU"- NEW MISSED APPROACH LOCATION & FPT REQUEST.  
FINAL APPROACH SEGMENT LENGTH CHANGED FROM "5.00NM" TO "5.14NM" & MOVED JINTU FROM "393034.67N/1194536.27W" TO "393032.53N/1194546.80W" - NEW MAP LOCATION.  
MINIMUMS: CHANGED CIRCLING CAT A/B CMDA/HAA FROM "6000/1585" TO "6300/1885". - NEW OBSTACLE EVALUATION & 8260.3E: 2-6-2 & 2-6-4.  
MINIMUMS: CHANGED CIRCLING CAT C/D CMDA/HAA FROM "6000/1585" TO "6460/2045". - NEW OBSTACLE EVALUATION.  
INCREASED MINIMUM ALTITUDE FROM 10 NM PT (INTERMEDIATE) TO FMG VORTAC (FAF) SEGMENT FROM "7800" TO "8100" - UPDATED OBSTACLE AND MAP STUDY.  
CHANGED FAS OBST FROM CHART FAS OBST: 5699 AAO 393136N/1194039W TO FAS OBST: 5760 AAO 393132N/1194036W.- NEW OBSTACLE EVALUATION.  
IN ADDITIONAL FLIGHT DATA: CHANGED ORDER 8260.3 CHAPTER 2 OBSTACLE FROM "6083 AAO 393157N/1193924W" TO "6140 393153N/1193922W"- IAW 8260.19I 8-6-10.  
IN ADDITIONAL FLIGHT DATA: ADDED "CHART CIRCLING ICON"-IAW 8260.19I-IAW 8-7-1.  
ALL AIRPORT'S RUNWAY NUMBERS UPDATED DUE TO MAGVAR UPDATE: MAGVAR CHANGED FROM "16E/1985" TO "13E/2020"; CHANGED RUNWAY "7/25" TO "8/26", RUNWAY "16L/34R" TO 17L/35R", & RUNWAY "16R/34L" TO "17R/35L". - IAW 8260-19I TABLE 8-3-1.  
CHANGED FAF ALTITUDE FROM 7900 TO 8100 - NEW OBSTACLE EVALUATION.  
MISSED APPROACH CHANGED FROM " CLIMBING RIGHT TURN TO 10000 DIRECT FMG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000." TO "CLIMB TO 7000 THEN CLIMBING RIGHT TURN TO 10000 DIRECT FMG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000."- DUE TO NEW OBSTACLE EVALUATION AND 8260.3E 2-8-8.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  **OTHER:** ZOA, RNO APP CON, RNO ATCT, AMGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by* **OFFICE** **DATE**  
**DAVID TEFFETELLER**  
Aug 29, 2022

**DEVELOPED BY**

STEVEN M. BARNETT (TEVAR MALONE)

*Digitally signed by* **OFFICE** **DATE**  
**DAVID TEFFETELLER** AJV-A433 11/03/2022  
Aug 29, 2022

**APPROVED BY**

CASIMIR TABAKA

*Digitally signed by* **OFFICE** **DATE** **TITLE**  
**DAVID TEFFETELLER** AJV-A430 11/03/2022 **MANAGER**  
Aug 29, 2022

