

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> PINE RIDGE	<u>AIRPORT ID</u> KIEN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> PINE RIDGE	<u>STATE</u> SD
<u>AIRPORT ELEVATION</u> 3333	<u>TDZE</u> 3333	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 7E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 212/30 CW 032/30	NOPT	IROVE	IF/IAF	5700
2. 032/30 CW 122/30		032/10 CW 122/10		6000
2. 032/10 CW 122/10		CENAB	IAF	5700
3. 122/30 CW 212/30		JITOG	IAF	5700

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>
WAXER		CENAB		TF	FB	2.00	094.23	38.44	6000
CENAB	IAF	IROVE	NOPT	TF	FB	1.00	031.73	5.00	5700
JITOG	IAF	IROVE	NOPT	TF	FB	1.00	211.83	5.00	5700
IROVE	IF/IAF	JUZAN		TF	FB	1.00	301.78	6.06	5000
JUZAN	FAF	KEMJO/3.60 NM TO RW30		TF	FB	0.30	301.71	1.44	
KEMJO/3.60 NM TO RW30		RW30	MAP	TF	FO	0.30	301.71	3.60	
RW30	MAP	3733 MSL		CA			301.71		
3733 MSL		IROVE		DF	FO	1.00			5700



MISSED APPROACH

MAP:
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:
CLIMBING LEFT TURN TO 5700 DIRECT IROVE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)
2. HOLD SE IROVE, RT, 301.78 INBOUND, 5700 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	301.71	FAC: JUZAN	DIST FAF TO MAP: 5.04	DIST FAF TO THLD: 5.04
4. MIN ALT: IROVE 5700, JUZAN 5000, KEMJO/3.60 NM TO RW30 4540				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:
6. MIN GP INCPT:	GP ALT AT FAF :		OM:	MM: IM:
7. GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH:	
8. MSA FROM:				

PBN REQUIREMENTS NOTES:

RNP APCH.

NOTES:
CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAXER ON V169 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

JUZAN TO RW30: 3.04/40.
CHART VDP AT 2.59 MILES TO RW30
CHART FAS OBST: 3859 TREE 425857N/1022242W
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 900-2

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	4180	1	847	4180	1 1/4	847		NA			NA				
CIRCLING	4180	1	847	4180	1 1/4	847		NA			NA				



CHANGES - REASONS

- 1. CHANGED MAG VAR FROM 10E TO 7E AND UPDATED ALL COURSES ACCORDINGLY - UPDATED AIRPORT MAG VAR.
- 2. CHANGED "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H, PARA 8-6-11K(3).
- 3. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" - IAW 8260.19H, PARA 4-6-10E AND MEMO 257 DATED 9/12/2017.
- 4. ADDED "PBN REQUIREMENTS NOTE: RNP APCH" - IAW 8260.19H, PARA 8-6-8B(1) AND MEMO 257 DATED 9/12/2017.
- 5. DELETED "CHART NOTE: VDP NA WHEN USING CHADRON ALTIMETER SETTING" - LOCAL WEATHER TRANSMITTED ON WMSCR, IAW 8260.19H, PARA 8-6-9F(3).
- 6. DELETED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHADRON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND CAT A VISIBILITY 1/4 MILE" - LOCAL WEATHER TRANSMITTED ON WMSCR, IAW 8260.19H, PARA 8-6-9F(3).
- 7. RAISED FAF TO SDF SEGMENT MDA FROM 4520 TO 4540 - REMOTE ALTIMETER CHANGED FROM KCDR TO KGRN.
- 8. CHANGED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19H, 8-6-9PARAM(2).
- 9. CHANGED INTERMEDIATE SEGMENT RNP VALUE FROM 0.50 TO 1.00 - IAW 8260.19H, PARA 4-6-10F.
- 10. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAXER ON V169 NORTHBOUND" - TURN EXCEEDS 90 DEGREES.
- 11. ADDED 20:1 IS CLEAR ON LINE 7 - 20:1 SURFACE IS CLEAR
- 12. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - RWY 12 WILL BE FLIGHT CHECKED USING NEW CRITERIA.

PDF EDITED:

- 1. ADDED THRESHOLD COORDINATES (IF STRAIGHT-IN) 430101.17N/1022957.50W TO AIRSPACE.
- 2. ADDED PAT 1 TO MISSED APPROACH: LNAV.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZDV, CENTRAL FPO, AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

DEVELOPED BY Digitally signed by
DIANE S LAIR DIANE S LAIR
Jun 11, 2018

APPROVED BY
PATRICK MULQUEEN

OFFICE Digitally signed by
DAVID TEFFETELLER
Aug 06, 2018

OFFICE DATE
AJV-5433 05/14/2018

Digitally signed by
DAVID TEFFETELLER
Aug 06, 2018

OFFICE DATE TITLE
AJV-5430 MANAGER

