

**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> AINSWORTH RGNL	<u>AIRPORT ID</u> KANW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> AINSWORTH	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 2589	<u>TDZE</u> 2587	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/01/2010	<u>MAG VAR</u> 6E
<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>	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 038/30 CW 218/30	NOPT	FEDPI	IF/IAF	5000
2. 218/30 CW 308/30		LESIY	IAF	5000
3. 308/30 CW 038/30		TOSOE	IAF	5000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LESIY	IAF	FEDPI	NOPT	TF	FB	1.00	218.27	9.00	5000
TOSOE	IAF	FEDPI	NOPT	TF	FB	1.00	038.07	9.00	5000
FEDPI	IF/IAF	JEPNO		TF	FB	1.00	128.17	9.00	4200
JEPNO	FAF	COXIS/1.33 NM TO RW13		TF	FB	0.30	128.27	3.58	
COXIS/1.33 NM TO RW13		RW13	MAP	TF	FO	0.30	128.27	1.33	
RW13	MAP	2787 MSL		CA			128.27		
2787 MSL		ERUYA		DF	FO	1.00			5100

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5100 DIRECT ERUYA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NW FEDPI, RT, 128.17 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 128.27 **FAF:** JEPNO **DIST FAF TO MAP:** 4.91 **DIST FAF TO THLD:** 4.91
- 4. **MIN ALT:** FEDPI 5000, JEPNO 4200, COXIS/1.33 NM TO RW13 3060*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.47 **GS ANT:**
- 6. **MIN GP INCPT:** 4200 **GP ALT AT FAF :** JEPNO 4200 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 50.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 0.82 NM TO RW13*
 *LNAV ONLY
 WAAS CHANNEL #99706
 REFERENCE PATH ID: W13A
 CHART FAS OBST: 2637 TREE 423444N/1000004W.
 2819 AAO 423757N/1000524W.
 HOLD SE, RT, 308.48 INBOUND
 LTP HAE: 766 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	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
LPV DA	2787	1	200	2787	1	200	2787	1	200	2787	1	200			
LNAV/VNAV DA	2837	1	250	2837	1	250	2837	1	250	2837	1	250			
LNAV MDA	2900	1	313	2900	1	313	2900	1	313	2900	1	313			
CIRCLING	3000	1	411	3040	1	451	3040	1 1/2	451	3200	2	611			



CHANGES - REASONS

1. ADDED SDF FIX COXIS - ALLOWS LOWEST POSSIBLE MDA ON LNAV FINAL.
2. DELETED FEEDER ROUTE FROM ISD VORTAC. - ISD VORTAC BEING DECOMMISSIONED.
3. CHANGED CHART NOTE: "DME/DME RNP-0.3 NA" TO "RNP APCH" - IAW 8260.19 PBN REQUIREMENTS NOTES.
4. ADDED CIRCLING ICON. - APPLIED NEW CIRCLING CRITERIA IAW ORDER 8260.3, CHAPTER 2.
5. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 43C (109F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C" - NEW EVALUATION AND FAHRENHEIT NO LONGER REQUIRED.
6. CRC REMAINDER CHANGED FROM B0741484 TO 53E5D44A. - VERTICAL ALERT LIMIT CHANGED FROM 50 FEET TO 35 FEET, UPDATED LTP AND FPAF COORDINATES.
7. LPV HAT/DA LOWERED FROM 250/2837 FEET TO 200/2787 FEET ALL CATS. - NEW VG SURVEY AND NEW EVALUATION COMPLETED.
8. REMOVED CHART NOTE: "PROCEDURE NA FOR ARRIVAL AT ISD VOR VIA V71 NORTHWESTBOUND. - ISD VOR FEEDER ROUTE REMOVED FROM PROCEDURE; ISD VOR BEING DECOMMISSIONED.
9. LNAV/VNAV HAT/DA LOWERED FROM 304/2891 TO 250/2837 - NEW VG SURVEY AND NEW EVALUATION COMPLETED.
10. LNAV VISIBILITY RAISED: CATS C AND D FROM 1 SM TO 1 1/8 SM. - NEW VISIBILITY CHECK COMPLETED.
11. CHANGED FAF TO MAP/THLD DISTANCE FROM 4.84 TO 4.91. - ALIGNED VDA TO VGSI.
12. CHANGED INTERMEDIATE COURSE/LENGTH FROM 128.20/6.12NM TO 128.17/9.00NM. - MOVED FOR FINAL COURSE ALIGNMENT.
13. CHANGED INITIAL FROM TOSOE COURSE/LENGTH FROM 038.15/5.00NM TO 38.07/9.00NM. MOVED FOR INITIAL COURSE ALIGNMENT.
14. CHANGED INITIAL FROM LESIY COURSE/LENGTH FROM 218.25/5.00NM TO 218.27/9.00NM. - MOVED FOR INITIAL COURSE ALIGNMENT.
15. DELETED FEEDER ROUTE MARSS TO TOSOE. - TAA DEVELOPED PER FPT REQUEST.
16. DELETED FEEDER ROUTE GIYED TO LESIY. - TAA DEVELOPED PER FPT REQUEST.
17. MSA REPLACED WITH TAA ARRIVAL. - FPT REQUEST.
18. ADDED MAX HOLDING 6000 AT FEDPI - IAW 8260.19H 8-6-7. B (2) REQUIRED WHEN A HOLD-IN LIEU OF PROCEDURE TURN IS USED.
19. LINE 7: ADDED "20:1 IS CLEAR" - NO 20:1 PENETRATIONS NOTED IN STRAIGHT-IN VISUAL AREA.
20. CHANGED MISSED APPROACH INSTRUCTIONS FROM: "CLIMB TO 5000 DIRECT ERUYA AND HOLD." TO "CLIMB TO 5100 DIRECT ERUYA AND HOLD. CONTINUE CLIMB-IN-HOLD TO 5100." - CLIMB-IN-HOLD REQUIRED IAW 8260.19H PARA 8-6-6.G.
21. UPDATED FAS OBSTACLE FROM 2649 TREE 423652N/1000124W, 2615 POLE 423535N/0995958W, 2839 AAO 423751N/1000500W TO 2637 TREE 423444N/1000004W AND 2819 AAO 423757N/1000524W. - NEW EVALUATION.
22. REMOVED BACKUP ALTIMETER AND ASSOCIATED NOTES. - MOVED TO -9 AS A CONTINGENCY.
23. HOLDING INBOUND COURSE CHANGED FROM 308.39 TO 308.48 IN ADDITIONAL FLIGHT DATA - HOLDING POINT ERUYA MOVED AND NEW EVALUATION COMPLETED.
24. UPDATED PROFILE LINE 6 TO READ MIN GP INCPT: 4200 GP ALT AT FAF: JEPNO 4200 - IAW 8260.19H.
25. PROFILE LINE 4: ADDED COXIS/1.33 NM TO RW13 3060* TO MIN ALT - REQUIRED ENTRY IAW 8260.19H.
26. MOVED VDP FROM 0.83 NM TO 0.82 NM TO RWY 13. - NEW EVALUATION.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZDV, ARPT MGR

FLIGHT CHECKED BY

Digitally signed by
DONALD H LANIER
Jun 12, 2020

OFFICE

FICO

DATE

6/10/2020

DEVELOPED BY

DONALD H. LANIER (MATTHEW FULKS)

Digitally signed by
DONALD H LANIER

OFFICE

AJV-A431

DATE

10/23/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by
DONALD H LANIER
Jun 12, 2020

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	KANW
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	423515.1500N
LTP/FTP LONGITUDE	0995945.1885W
LTP/FTP ELLIPSOIDAL HEIGHT	+07660
FPAP LATITUDE	423412.8670N
FPAP LONGITUDE	0995818.9215W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	53E5D44A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07884
FPAP ORTHOMETRIC HEIGHT	+07884

