

**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 17	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> AINSWORTH	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 2589	<u>TDZE</u> 2589	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 05/06/2010	<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>	<u>EPOCH YEAR</u> 2010

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 083/30 CW 263/30	NOPT	EVANE	IF/IAF	5000
2. 263/30 CW 353/30		HANTS	IAF	5100
3. 353/30 CW 083/30		PIMPS	IAF	5000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PIMPS	IAF	EVANE	NOPT	TF	FB	1.00	083.18	9.00	5000
HANTS	IAF	EVANE	NOPT	TF	FB	1.00	263.46	9.00	5000
EVANE	IF/IAF	CURVA		TF	FB	1.00	173.32	9.00	4100
CURVA	FAF	WREAK/1.84 NM TO RW17		TF	FB	0.30	173.32	2.76	
WREAK/1.84 NM TO RW17		RW17	MAP	TF	FO	0.30	173.32	1.84	
RW17	MAP	2789 MSL		CA			173.32		
2789 MSL		FUGLE		DF	FO	1.00			5100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5100 DIRECT FUGLE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD N EVANE, RT, 173.32 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 173.32 **FAF:** CURVA **DIST FAF TO MAP:** 4.61 **DIST FAF TO THLD:** 4.61
- 4. **MIN ALT:** EVANE 5000, CURVA 4100, WREAK/1.84 NM TO RW17 3220*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.49 **GS ANT:**
- 6. **MIN GP INCPT:** 4100 **GP ALT AT FAF :** CURVA 4100 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 46.0
- 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.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM, AND LNAV CATS C/D VISIBILITY TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 0.74 NM TO RW17*
 *LNAV ONLY
 WAAS CHANNEL #70417
 REFERENCE PATH ID: W17A
 CHART FAS OBST: 2615 POLE 423535N/0995958W.
 HOLD S, RT, 353.33 INBOUND
 LTP HAE: 766 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - 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>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	2789	1/2	200	2789	1/2	200	2789	1/2	200	2789	1/2	200			
LNAV/VNAV DA	2839	1/2	250	2839	1/2	250	2839	1/2	250	2839	1/2	250			
LNAV MDA	2880	1/2	291	2880	1/2	291	2880	1/2	291	2880	1/2	291			
CIRCLING	3000	1	411	3040	1	451	3040	1 1/2	451	3200	2	611			



CHANGES - REASONS

1. LNAV HAT/MDA LOWERED FROM 511/3100 FEET TO 291/2880 FEET ALL CATS. - NEW STEPDOWN FIX (WREAK) ADDED AND NEW EVALUATION COMPLETED.
2. DELETED FEEDER ROUTE FROM ANW VOR. - TAA DEVELOPED PER FPT REQUEST.
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. REMOVED BACKUP ALTIMETER AND ASSOCIATED NOTES. - MOVED TO -9 AS A CONTINGENCY.
7. LNAV/VNAV HAT/DA LOWERED FROM 296/2885 TO 250/2839 - NEW EVALUATION COMPLETED.
8. LNAV VISIBILITY LOWERED: CATS C/D FROM 1 SM TO 1/2 SM. - NEW VISIBILITY CHECK COMPLETED.
9. CIRCLING HAA/MDA CHANGED: CAT A FROM 511/3100 FEET TO 411/3000 FEET; CAT B FROM 511/3100 FEET TO 451/3040 FEET; CAT C FROM 511/3100 FEET TO 451/3040 FEET; CAT D FROM 551/3140 FEET TO 611/3200 FEET. - NEW CIRCLING CRITERIA APPLIED AND EVALUATION COMPLETED.
10. CHANGED FAF TO MAP/THLD DISTANCE FROM 4.55 TO 4.61. - ALIGNED GPA TO VGS1.
11. CHANGED INTERMEDIATE COURSE/DISTANCE FROM 173.33/6.10 TO 173.32/9.00. - TO ALIGN FINAL COURSE.
12. CREATED NEW IAF FIX PIMPS. - CREATED TO ALLOW FOR DEVELOPMENT OF TAA FOR RWY 17.
13. CREATED NEW IAF FIX HANTS. - CREATED TO ALLOW FOR DEVELOPMENT OF TAA FOR RWY 17.
14. ADDED CHART NOTE: "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM, AND LNAV CATS C/D VISIBILITY TO 7/8 SM. - NEW VISIBILITY CHECK.
15. MSA REPLACED WITH TAA ARRIVAL. - FPT REQUEST.
16. REMOVED CHART NOTE: "PROCEDURE NA FOR ARRIVAL AT ISD VOR VIA V71 NORTHWESTBOUND. - ISD VOR FEEDER ROUTE REMOVED FROM PROCEDURE; ISD VOR BEING DECOMMISSIONED.
17. CRC REMAINDER CHANGED FROM B61A9EEE TO 055007FE - FPAP AND LTP COORDINATES UPDATED.
18. LINE 7: ADDED "20:1 IS CLEAR" - NO 20:1 PENETRATIONS NOTED IN STRAIGHT-IN VISUAL AREA.
19. VDP DISTANCE CHANGED FROM 1.14 NM TO 0.74 NM. - NEW EVALUATION; LNAV MDA LOWERED.
20. CHANGED MISSED APPROACH INSTRUCTIONS FROM: "CLIMB TO 5100 DIRECT PUKFA AND HOLD." TO "CLIMB TO 5100 DIRECT FUGLE AND HOLD" - NEW FIX FUGLE CREATED SINCE PUKFA WAS ON ENROUTE STRUCTURE AND UNABLE TO BE MOVED.
21. PROFILE LINE 2: CHANGED INBOUND HOLDING COURSE FROM 173.33 TO 173.32 - IF/IAF FIX EVANE MOVED AND NEW EVALUATION COMPLETED.
22. REMOVED FAS OBST: 2849 AAO 423835N/0995929W FROM ADDITIONAL FLIGHT DATA - NEW EVALUATION COMPLETED.
23. LNAV/VNAV VISIBILITY LOWERED: CAT D FROM 3/4 SM TO 1/2 SM. - NEW VISIBILITY CHECK

COORDINATED WITH:

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

FLIGHT CHECKED BY

KANW RNAV(GPS) RWY 17

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

Jun 12, 2020

OFFICE

AJV-A431

DATE

10/28/2019

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	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	423510.0915N
LTP/FTP LONGITUDE	0995947.9515W
LTP/FTP ELLIPSOIDAL HEIGHT	+07660
FPAP LATITUDE	423340.9695N
FPAP LONGITUDE	0995946.5295W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0672
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	055007FE

ADDITIONAL PATH POINT RECORD INFORMATION

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

