

**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 35	<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SUPERSEDED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 35	<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. 263/30 CW 083/30	NOPT	FUGLE	IF/IAF	5100
2. 083/30 CW 173/30		ECOFI	IAF	5100
3. 173/30 CW 263/30		DUWAT	IAF	5100

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ECOFI	IAF	FUGLE	NOPT	TF	FB	1.00	083.19	9.00	5100
DUWAT	IAF	FUGLE	NOPT	TF	FB	1.00	263.46	9.00	5100
FUGLE	IF/IAF	COLSI		TF	FB	1.00	353.33	9.00	4200
COLSI	FAF	SHERD/1.90 NM TO RW35		TF	FB	0.30	353.32	3.01	
SHERD/1.90 NM TO RW35		RW35	MAP	TF	FO	0.30	353.32	1.90	
RW35	MAP	2789 MSL		CA			353.32		
2789 MSL		EVANE		DF	FO	1.00			5000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW35

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5000 DIRECT EVANE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
2. HOLD S FUGLE, RT, 353.33 INBOUND, 5100 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 353.33      **FAF:** COLSI                      **DIST FAF TO MAP:** 4.92                      **DIST FAF TO THLD:** 4.92
4. **MIN ALT:** FUGLE 5100, COLSI 4200, SHERD/1.90 NM TO RW35 3240\*
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **200 HAT:** 0.49                      **GS ANT:**
6. **MIN GP INCPT:** 4200                      **GP ALT AT FAF :** COLSI 4200                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 45.1
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 AND D VISIBILITY TO 1 SM.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.  
 CHART VDP AT 1.02 NM TO RW35\*  
 \*LNAV ONLY  
 WAAS CHANNEL #81917  
 REFERENCE PATH ID: W35A  
 CHART FAS OBST: 2649 TRANSMISSION\_LINE 423258N/1000029W.  
 HOLD N, RT, 173.32 INBOUND  
 LTP HAE: 766.6 M

**MINIMUMS:**

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

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

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
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	2960	1/2	371	2960	1/2	371	2960	5/8	371	2960	5/8	371			
CIRCLING	3000	1	411	3040	1	451	3040	1 1/2	451	3200	2	611			



**CHANGES - REASONS**

1. LNAV HAT/MDA LOWERED FROM 571/3160 FEET TO 371/2960 FEET ALL CATS. - NEW STEPDOWN FIX (SHERD) 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 REQUIREMENT 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. LNAV/VNAV CAT D VISIBILITY LOWERED FROM 3/4 SM TO 1/2 SM. - NEW VISIBILITY CHECK COMPLETED.
7. LNAV/VNAV HAT/DA LOWERED FROM 320/2909 TO 250/2839 - NEW EVALUATION COMPLETED.
8. LNAV VISIBILITY LOWERED: CAT C FROM 1 SM TO 5/8 SM; CAT D FROM 1 1/4 SM TO 5/8 SM. - NEW VISIBILITY CHECK COMPLETED.
9. CIRCLING HAA/MDA CHANGED: CAT A FROM 571/3160 FEET TO 411/3000 FEET; CAT B FROM 571/3160 FEET TO 451/3040 FEET; CAT C FROM 571/3160 FEET TO 451/3040 FEET; CAT D FROM 571/3160 FEET TO 611/3200 FEET. - NEW CIRCLING CRITERIA APPLIED AND EVALUATION COMPLETED.
10. CHANGED FAF TO MAP/THLD DISTANCE FROM 4.85 TO 4.92. - ALIGNED VDA TO VGSI.
11. CREATED NEW IF/IAF FIX FUGLE. - OLD IF/IAF FIX PUKFA IS ON THE ENROUTE STRUCTURE AND UNABLE TO BE MOVED.
12. IAF FIX ECOFI CHANGED INITIAL COURSE/LENGTH FROM 083.25/5.00NM TO 083.19/9.00NM. MOVED FOR INITIAL COURSE ALIGNMENT AND TO MEET MINIMUM LEG LENGTH CRITERIA.
13. CREATED NEW IAF FIX DUWAT. - CREATED TO ALLOW FOR DEVELOPMENT OF TAA RIGHT BASE SEGMENT FOR RWY 35.
14. IF/IAF ALTITUDE CHANGED FROM 5000 FT TO 5100 FT. - NEW EVALUATION.
15. DELETED FEEDER ROUTE MARSS TO ECOFI. - TAA DEVELOPED PER FPT REQUEST.
16. MSA REPLACED WITH TAA ARRIVAL. - FPT REQUEST.
17. CRC REMAINDER CHANGED FROM 9831B5A6 TO FD284BCF - FPAP AND LTP LOCATIONS UPDATED.
18. ADDED NEW STEPDOWN FIX SHERD. - ALLOWS FOR LOWEST POSSIBLE MINIMUMS FOR LNAV FINAL.
19. LINE 7: ADDED "20:1 IS CLEAR" - NO 20:1 PENETRATIONS NOTED IN STRAIGHT-IN VISUAL AREA.
20. VDP DISTANCE CHANGED FROM 1.65 NM TO 1.02 NM. - NEW EVALUATION.
21. UPDATED FAS OBSTACLE FROM 2139 TREE 4233S3N/09T5911W TO 2649 TRANSMISSION\_LINE 423258N/1000029W.. - NEW EVALUATION
22. REMOVED BACKUP ALTIMETER AND ASSOCIATED NOTES. - MOVED TO -9 AS A CONTINGENCY.
23. REMOVED 2939 AAO 422922N/1800014W FROM ADDITIONAL FLIGHT DATA. - NEW EVALUATION; 7:1 OBSTACLE NO LONGER NEEDED.
24. UPDATED CHART NOTE: "FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT D VISIBILITY TO 1 MILE." TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM AND LNAV CATS C AND D VISIBILITY TO 1 SM." - UPDATED CRITERIA AND NEW VIS CHECK.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

GBRIEL J PARKISON

*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**

10/24/2019

**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	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	423402.7020N
LTP/FTP LONGITUDE	0995946.8760W
LTP/FTP ELLIPSOIDAL HEIGHT	+07666
FPAP LATITUDE	423531.8235N
FPAP LONGITUDE	0995948.2995W
THRESHOLD CROSSING HEIGHT (TCH)	00045.1
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	FD284BCF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07889
FPAP ORTHOMETRIC HEIGHT	+07889

