

**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> ATWOOD-RAWLINS COUNTY CITY- COUNTY	<u>AIRPORT ID</u> KADT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ATWOOD	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 2991	<u>TDZE</u> 2991	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 07/29/2010	<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> 2020

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 077/30 CW 257/30	NOPT	HOMIM	IF/IAF	5000
2. 257/30 CW 347/30		JITAM	IAF	5000
3. 347/30 CW 077/30		WIXAR	IAF	5200

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WIXAR	IAF	HOMIM	NOPT	TF	FB	1.00	076.95	9.00	5000
JITAM	IAF	HOMIM	NOPT	TF	FB	1.00	257.20	9.00	5000
HOMIM	IF/IAF	IHUKY		TF	FB	1.00	167.08	8.99	4800
IHUKY	PFAF	HORUK/1.91 NM TO RW17		TF	FB	0.30	167.09	3.64	
HORUK/1.91 NM TO RW17		RW17	MAP	TF	FO	0.30	167.09	1.91	
RW17	MAP	3500 MSL		CA			167.09		3500
3500 MSL		HOMIM		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 THEN CLIMBING LEFT TURN TO 5000 DIRECT HOMIM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD N HOMIM, RT, 167.08 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAC: 167.09

FAF: IHUKY

DIST FAF TO MAP: 5.56

DIST FAF TO THLD: 5.56

4. MIN ALT: HOMIM 5000, IHUKY 4800, HORUK/1.91 NM TO RW17 3640*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.66

GS ANT:

6. MIN GP INCPT: 4800

GP ALT AT FAF : IHUKY 4800

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 40.7

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.
CHART NOTE: CIRCLING RWY 35 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING COLBY ALTIMETER SETTING.
CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLBY ALTIMETER SETTING: INCREASE ALL DAS TO 3326 FEET; INCREASE ALL MDAS 100 FEET AND VISIBILITY CATS C AND D 1/4 MILE.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.21 NM TO RW17*
*LNAV ONLY
WAAS CHANNEL #99343
REFERENCE PATH ID: W17A
CHART FAS OBST: 3154 GENERAL_UTILITY 395221N/1010245W.
CHART: 3083 TERRAIN 395244N/1010348W.
LTP HAE: 887.5 M

MINIMUMS:

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

ALTERNATE: NA ☒

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
LPV DA	3241	1	250	3241	1	250	3241	1	250	3241	1	250			
LNAV/VNAV DA	3241	1	250	3241	1	250	3241	1	250	3241	1	250			
LNAV MDA	3420	1	429	3420	1	429	3420	1 1/4	429	3420	1 1/4	429			
CIRCLING	3480	1	489	3480	1	489	3560	1 1/2	569	3620	2	629			



CHANGES - REASONS

- 1. UPDATED PROCEDURE NAME FROM RNAV (GPS) RWY 16 TO RNAV (GPS) RWY 17 AND MAG VAR FROM 9E/1985 TO 6E/2020 - MAG VAR UPDATED.
- 2. UPDATED TAA BEARINGS 074 CW 254, 254 CW 344, 344 CW 074 TO 077 CW 257, 257 CW 347, 347 CW 077 - MAG VAR UPDATED.
- 3. RAISED TAA RIGHT BASE ALTITUDE FROM 5000 TO 5200 - NEW EVALUATION YIELDED HIGHER ALTITUDE REQUIREMENT FOR AIRSPACE.
- 4. MOVED ALL FIXES - MAG VAR UPDATED AND LEGS UPDATED TO CURRENT CRITERIA FOR MINIMUM LEG LENGTH IAW 8260.58A PARA 1-2-5.B.(1).
- 5. UPDATED MISSED APPROACH PROCEDURE AND INSTRUCTIONS FROM "CLIMB TO 5000 DIRECT JUNGU AND RIGHT TURN ON TRACK 284.08 TO ELYIJ AND RIGHT TURN ON TRACK 033.70 TO HOMIM AND HOLD" TO "CLIMB TO 3500 THEN CLIMBING LEFT TURN TO 5000 DIRECT HOMIM AND HOLD" - PER ATC; IAW 8260.58A PARA 2-4-2.C.
- 6. UPDATED FAC FROM 164.09 TO 167.09 - MAG VAR UPDATED.
- 7. ADDED "MAX 10000" TO HOLD-IN-LIEU IN PROFILE VIEW, LINE 2 - IAW 8260.19H, PARA 8-6-7.B.(2).
- 8. UPDATED DISTANCE FROM FAF TO MAP AND DISTANCE FROM FAF TO THLD FROM 5.47 NM TO 5.56 NM - NEW EVALUATION.
- 9. CHANGED TCH FROM 40.0 FT TO 40.7 FT - VGSI AND GPA COINCIDENT.
- 10. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES - UPDATED TO CURRENT CRITERIA IAW 8260.19H PARA 8-6-8.B.(1).
- 11. UPDATED SECONDARY ALTIMETER CHART NOTE FROM "CHART NOTE: USE MCCOOK ALTIMETER SETTING, WHEN NOT RECEIVED; USE GOODLAND ALTIMETER SETTING AND INCREASE ALL DA 62 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLBY ALTIMETER SETTING: INCREASE ALL DAS TO 3326 FEET; INCREASE ALL MDAS 100 FEET AND VISIBILITY CATS C AND D 1/4 MILE." - PRIMARY AND SECONDARY ALTIMETER SOURCES UPDATED; KADT NOW HAS LOCAL ALTIMETER ON AWOS-3; IAW 8260.19H PARA 8-6-11.N.(1).(A).2.
- 12. REMOVED "CHART NOTE: BARO-VNAV NA" AND ADDED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20 DEG C OR ABOVE 54 DEG C" AND "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING COLBY ALTIMETER SETTING" - PRIMARY ALTIMETER ADJUSTMENT NO LONGER REQUIRED; KADT IS NOW THE PRIMARY ALTIMETER SOURCE.
- 13. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE FROM "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA" TO "CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H PARA 8-6-11.K.(3), 34:1 PENETRATIONS EXIST FOR RWY 17.
- 14. UPDATED CIRCLING NOTE FROM "CHART NOTE" CIRCLING NA TO RWYS 17 AND 35, AND RWYS 3 AND 21" TO "CHART NOTE: CIRCLING NA TO RWYS 4 AND 22" - MAG VAR UPDATED AND FORMER RWY 17/35 WAS AN UNIMPROVED SURFACE AND IS NO LONGER ACTIVE; INCORPORATED NOTAM FDC 9/6722.
- 15. ADDED "CHART NOTE: CIRCLING TO RWY 35 NA AT NIGHT" - 20:1 PENETRATIONS EXIST IN VISUAL AREA OF RWY 35.
- 16. ADDED VDP AT 1.21 NM TO RW17 TO ADDITIONAL FLIGHT DATA - LOCAL ALTIMETER SOURCE NOW AVAILABLE.
- 17. UPDATED FAS OBSTACLE NOTE TO "CHART FAS OBST: 3154 POLE 395221N/1010245W" - NEW EVALUATION PRODUCED NEW FAS OBSTACLE.
- 18. REMOVED "CHART MCCOOK ASOS" FROM ADDITIONAL FLIGHT DATA - MCCOOK ALTIMETER SOURCE NO LONGER USED IN PROCEDURE.
- 19. UPDATED LPV CEILING/VISIBILITY MINS FROM 3368/1 1/4 TO 3241/1, LNAV/VNAV CEILING/VISIBILITY MINS FROM 3435/1 1/2 TO 3241/1, LNAV CEILING MINS FROM 3500 TO 3420, AND LNAV CATS C AND D VISIBILITY 1 1/2 TO 1 1/4 - NEW EVALUATION AND ALTIMETER SOURCES PRODUCED NEW MINIMUMS.
- 20. UPDATED CIRCLING CATS A AND B CEILING MINS FROM 3620 TO 3480, CAT C CEILING/VISIBILITY MINS FROM 3820/1 3/4 TO 3560/1 1/2, CAT D CEILING/VISIBILITY MINS FROM 3720/2 1/4 TO 3620/2, AND ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - NEW EVALUATION YIELDED NEW MINIMUMS; APPLIED NEW CIRCLING CRITERIA.
- 21. FAS DATA CRC REMAINDER CHANGED FROM 49C6E18B TO BB5B17FC - NEW TCH AND NEW EVALUATION.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ZDV ARTCC

FLIGHT CHECKED BY	<i>Digitally signed by</i>	OFFICE	DATE	
JOEL LAPLANTE	HEIDI SNIDER	FICO	10/25/2019	
	Oct 28, 2019			
DEVELOPED BY	<i>Digitally signed by</i>	OFFICE	DATE	
CASIMIR L. TABAKA (MADELINE CLARK)	HEIDI SNIDER	AJV-A422	07/16/2019	
	Sep 05, 2019			
APPROVED BY	<i>Digitally signed by</i>	OFFICE	DATE	TITLE
MARLON ROBINSON	HEIDI SNIDER	AJV-A420		MANAGER
	Sep 05, 2019			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KADT
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	395053.6785N
LTP/FTP LONGITUDE	1010239.5520W
LTP/FTP ELLIPSOIDAL HEIGHT	+08875
FPAP LATITUDE	394925.1535N
FPAP LONGITUDE	1010225.6590W
THRESHOLD CROSSING HEIGHT (TCH)	00040.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BB5B17FC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09116
FPAP ORTHOMETRIC HEIGHT	+09116

