

**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> STILLWATER RGNL	<u>AIRPORT ID</u> KSWO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> STILLWATER	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 1000	<u>TDZE</u> 1000	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 10/17/2013	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2005

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>
ALCOR	IAF	ACOKO	NOPT	TF	FB	1.00	100.12	11.93	3000
CALVA	IAF	ACOKO	NOPT	TF	FB	1.00	221.47	14.69	3000
ACOKO	IF/IAF	OSUYU		TF	FB	1.00	174.49	6.37	2300
OSUYU	FAF	RW17	MAP	TF	FO	0.30	174.49	3.90	
RW17	MAP	1200 MSL		CA			174.49		
1200 MSL		ESCOM		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ESCOM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD N ACOKO, RT, 174.49 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 8000.				
3. FAF:	174.49	FAF: OSUYU	DIST FAF TO MAP: 3.93	DIST FAF TO THLD: 3.93	
4. MIN ALT:	ACOKO 3000, OSUYU 2300				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.48	GS ANT:
6. MIN GP INCPT:	2300	GP ALT AT FAF :	OSUYU 2300	OM:	MM: IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 48.0	
8. MSA FROM:	RW17 3100				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING PONCA CITY ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE ALS, WHEN USING PONCA CITY ALTIMETER SETTING, INCREASE LPV VISIBILITY TO 7/8 SM AND LNAV CATS C AND D VISIBILITY TO 1 3/8 SM.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PONCA CITY ALTIMETER SETTING: INCREASE LPV DA TO 1280 FEET; INCREASE LNAV/VNAV DA TO 1356 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDA 80 FEET AND VISIBILITY LNAV CATS C AND D 1/4 SM AND CIRCLING CAT D 1/2 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILTY TO 7/8 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALCOR ON V77 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CALVA ON V532 SOUTHEASTBOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 354.49 INBOUND.
CHART FAS OBST: 1205 TOWER 361213N/0970601W.
1257 AAO 361433N/0970709W.
CHART VDP AT 1.23 NM TO RW17*
*LNAV ONLY.
WAAS CHANNEL # 90108
REFERENCE PATH ID: W17A
CHART CIRCLING ICON.
LTP HAE: 276.6 M



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

ALTERNATE: NA ☐ NA WHEN LOCAL WEATHER NOT AVAILABLE.; STANDARD - CAT D 800-2 1/4

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	1200	1/2	200	1200	1/2	200	1200	1/2	200	1200	1/2	200			
LNAV/VNAV DA	1276	1/2	276	1276	1/2	276	1276	1/2	276	1276	1/2	276			
LNAV MDA	1440	1/2	440	1440	1/2	440	1440	3/4	440	1440	3/4	440			
CIRCLING	1440	1	440	1460	1	460	1520	1 1/2	520	1740	2 1/4	740			

CHANGES - REASONS

1. ADDED HOLD-IN-LIEU AT ACOKO - PER FPT DIRECTION.
2. DELETED BARO VNAV NA BELOW -17C (2F) - NOT CORRECT VERBIAGE IAW 8260.19H PARA 8-6-9S.
3. ADDED FOR UNCOMPENSATED BARO-VNAV SYSTEMS PROCEDURE NA BELOW -15C OR ABOVE 54C- IAW 8260.19H PARA 8-6-9S.
4. ADDED RNP APCH - IAW 8260.19 PARA 8-6-8 PARA B(1).
5. DELETED DME/DME RNP-0.3 NA - OBSOLETE VERBIAGE.
6. CHANGED CHART NOTE: FOR INOPERATIVE ALS, WHEN USING PONCA CITY ALTIMETER SETTING, INCREASE LPV VISIBILITY TO 7/8 SM AND LNAV CATS C AND D VISIBILITY TO 1 3/8 SM. .- IAW 8260.19H PARA 8-6-11O.
7. MOVED OSUYU WP -RAISED TCH SO VGSI AND LPV GLIDEPATH ARE COINCIDENT.
8. LPV MINIMA CHANGED FROM DA 1250/HAT 250 TO DA 1200/HAT 200 - EVALUATION REVEALED ALL SURFACES CLEAR.
9. LNAV/VNAV MINIMA CHANGED FROM DA 1420/HAT 420 TO DA 1276/HAT 276 - NEW CONTROLLING OBSTACLE, 1115' POLE #40-001381.
10. LNAV MINIMA CHANGED FROM MDA 1480/HAT 480 TO MDA 1440/HAT 440 - DUE TO NEW CONTROLLING OBSTACLE, 1205' TOWER #40-001381.
- 11.CAT A-B CIRLCLING MINIMA CHANGED: CAT A CMDA FROM 1480/HAA 480 TO CMDA 1440/HAA 440 - DUE TO NEW CONTROLLING OBSTACLE, 1115' POLE #40-024163, CAT B CMDA FROM 1480/HAA 480 TO CMDA 1460/HAA 460 - DUE TO NEW CONTROLLNG OBSTACLE, 1124 TOWER, #40-002515.
12. CHANGED VISIBILITY MINIMUMS: LNAV/VNAV FROM 1 SM TO 1/2 SM, LNAV CAT D FROM 1 SM TO 3/4 SM, CIRCLING CAT C FROM 2 SM TO 1 1/2 SM . - IAW 8260.3D CHAP 3, SECTION 3-3, VISIBILTY MINIMUMS.
13. CHANGED FAS DATA: CRC REMAINDER FROM 7A38BCFD TO 5A158527. VAL FROM 50.0 TO 35.0,-- CHANGED TCH WHICH CAUSED PFAF TO MOVE.
- 14 CHANGED TCH FROM 00044.6 TO 00048.0.- CHANGED TO MAKE VGSI COINCIDENT.
15. CHANGED LTP/FTP ELLIPSIODAL HEIGHT FROM +20765 TO +20766 - PFAF MOVED AS RESULT OF RAISING TCH.
16. ADDED 7:1 OBSTACLE DATA TO ADDITIONAL FLIGHT DATA - IAW 8260.19 PARA 8-6-10(D).
17. ADDED CHART CIRCLING ICON - INCORPORATED PNOTAM FDC 3/4057.
18. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALCOR ON V77 SOUTHBOUND- IAW 8260.18H PARA 8-2-5 (G)2.
19. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CALVA ON V532 SOUTHEASTBOUND - IAW 8260.18H PARA 8-2-5 (G)2.
20. CHANGED FAS DATA BLOCK INFORMATION: LTP/FTP LATITUDE/LONGITUDE TO 361020.3240N/0970512.6885W, FPAP LATITUDE/LONGITUDE TO 360851.1010N/0970511.7195W, AND LENGTH OFFSET TO 0496 - DUE TO UPDATED RUNWAY COORDINATES.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZKC, SWO ATCT, ST. AV. DIR., AMGR

FLIGHT CHECKED BY

JEFFREY A FINDLEY

Digitally signed by

JOHN BORDY

Apr 07, 2021

OFFICE

FICO

DATE

04/02/2021

DEVELOPED BY

WILLIAM D. MELTON (GEORGETTE P. BARNETT)

Digitally signed by

JOHN BORDY

Apr 07, 2021

OFFICE

AJV-A422

DATE

03/06/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Apr 07, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSWO
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	361020.3240N
LTP/FTP LONGITUDE	0970512.6885W
LTP/FTP ELLIPSOIDAL HEIGHT	+02766
FPAP LATITUDE	360851.1010N
FPAP LONGITUDE	0970511.7195W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5A158527

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03048
FPAP ORTHOMETRIC HEIGHT	+03048

