

**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 ID</u> RVS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> TULSA	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 638	<u>TDZE</u> 626	<u>SUPERSEDED</u> RNAV (GPS) RWY 1L	<u>DATED</u> 03/02/2017	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2020
		<u>ACTUAL EFFECTIVE DATE</u> 20 FEBRUARY 2025	<u>CANCEL/SUSPEND</u>	

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>
INHOF	IF/IAF	HERNN		TF	FB	1.00	010.30	5.79	2600
HERNN	FAF	JALIP/2.73 NM TO RW01L		TF	FB	0.30	010.32	3.33	
JALIP/2.73 NM TO RW01L		RW01L	MAP	TF	FO	0.30	010.32	2.73	
RW01L	MAP	1100 MSL		CA			010.32		1100
1100 MSL		KEVIL		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 2600 DIRECT KEVIL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S INHOF, RT, 010.30 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 010.32	FAF: HERNN		DIST FAF TO MAP: 6.06	DIST FAF TO THLD: 6.06	
4. MIN ALT: INHOF 2800, HERNN 2600, JALIP/2.73 NM TO RW01L 1540					
5. DIST TO THLD FROM OM: MM: IM:			150 HAT:	219 HAT: 0.55	GS ANT:
6. MIN GP INCPT: 2600	GP ALT AT PFAF: HERNN 2600			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 48.3		
8. MSA FROM: RW01L 3600					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWYS 31 AND 19L.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TUL ALTIMETER SETTING.
 CHART PLANVIEW NOTE: NOPT REQUIRED ON V532 NORTHWEST BOUND AT INHOF.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUL ALTIMETER SETTING: INCREASE LPV DA TO 871 FEET; INCREASE LNAV/VNAV DA TO 1152 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 40 FEET AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 241.00 INBOUND.
 CHART FAS OBST: 820 POLE (40-099730) 355937N/0955937W.
 CHART VDP AT 1.28 NM TO RW01L.
 WAAS CHANNEL # 97321
 REFERENCE PATH ID: W01A
 CHART CIRCLING ICON.
 LTP HAE: 160.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</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	845	3/4	219	845	3/4	219	845	3/4	219	845	3/4	219			
LNAV/VNAV DA	1126	1 3/8	500	1126	1 3/8	500	1126	1 3/8	500	1126	1 3/8	500			
LNAV MDA	1080	1	454	1080	1	454	1080	1 3/8	454	1080	1 3/8	454			
CIRCLING	1260	1	622	1280	1	642	1280	1 3/4	642	1380	2 1/2	742			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED FAF FROM "ZEBEK" TO "HERNN" – PROCEDURE REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
2. TERMINAL ROUTES: CHANGED INHOF SEGMENT DISTANCES FROM "6.08" TO "5.79" - REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
3. TERMINAL ROUTES: CHANGED HERN SEGMENT DISTANCE FROM "2.97" TO "3.33" – REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
4. TERMINAL ROUTES: CHANGED JALIP/2.73 NM TO RW01L SEGMENT DISTANCE FROM "2.80" TO "2.73" - REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
5. TERMINAL ROUTES: CHANGED "JALIP/2.80 NM TO RW01L" TO "JALIP/2.73 NM TO RW01L" – FIX MOVED N 417.18 FEET.
6. PROFILE LINE 2: ADDED "MAX 6000" – PER ATC REQUEST, IAW 8260.19J, 8-6-7B(2)A.
7. PROFILE LINE 3: CHANGED FAF AND DISTANCES FROM "ZEBEK/5.77" TO "HERNN/6.06" – PROCEDURE – REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
8. PROFILE LINE 4: CHANGED "ZEBECK 2500, JALIP/2.80 NM TO RW01L 1540*" TO "HERN 2600, JALIP/2.73 TO RW01L 1540", REMOVED "*" - REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST, CURRENT DOCUMENTATION STANDARDS.
9. PROFILE LINE 6: CHANGED "MIN GS INCPT: 2500/GS ALT AT: ZEBEK 2500" TO "MIN GP INCPT: 2600/GP ALT AT PFAF: HERNN 2600" – PROCEDURE REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
10. PROFILE LINE 7: ADDED "20:1: IS CLEAR/TCH: 48.3" – IAW 8260.19J, 8-6-7G(2), G(3)A.
11. PBN REQUIREMENTS: ADDED "RNP APCH – GPS", REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" – IAW 8260.19J, 8-6-8D(5)A.
12. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" – CURRENT DOCUMENTATION STANDARDS.
13. REMOVED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" – PROCEDURE REDESIGNED FOR OPTIMAL PER ATC REQUEST.
14. ADDED "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TUL ALTIMETER SETTING" – IAW 8260.19J, 8-6-10E(8)(9).
15. ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUL ALTIMETER SETTING: INCREASE LPV DA TO 871 FEET; INCREASE LNAV/VNAV DA TO 1152 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 40 FEET AND CIRCLING VISIBILITY CAT C 1/4 SM" – IAW 8260.19J, 8-6-10E(7).
16. ADDITIONAL FLIGHT DATA: CHANGED "CHART FAS OBST: 809 TREE 360046N/0955901W" TO "CHART FAS OBST: 820 POLE (40-099730) 355937N/0955937W" – NEW CONTROLLING OBSTACLE.
17. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 200 HAT: 0.52 NM" – CURRENT DOCUMENTATION STANDARDS.
18. ADDITIONAL FLIGHT DATA: CHANGED "CHART VDP AT 1.22 NM TO RW01L*" TO "CHART VDP AT 1.28 NM TO RW01L", REMOVED "*" – PROCEDURE REDESIGNED IAW 8260.58C, CURRENT DOCUMENTATION STANDARDS.
19. ADDITIONAL FLIGHT DATA: REMOVED "**LNAV ONLY" – CURRENT DOCUMENTATION STANDARDS.
20. MINIMUMS: RAISED LPV DA/HAT FROM "826/200" TO "845/219" – MISSED APPROACH ADJUSTMENT.
21. MINIMUMS: LOWERED LNAV/VNAV VISIBILITY ALL CATS FROM "1 3/4 SM" TO "1 3/8 SM" – IAW 8260.3F TABLE 3-3-1.
22. MINIMUMS: RAISED LNAV MDA/HAT AND CAT C/D VISIBILITY FROM "1060/434/1 1/4 SM" TO "1080/454/1 3/8 SM" – NEW CONTROLLING OBSTACLE.
23. FAS DATA: CHANGED LTP/FTP LAT/LONG FROM "360158.8385N/ 0955916.3410W" TO "360158.8445N/ 0955916.3375W" – UPDATED AIRNAV DATA INCORPORATED.
24. FAS DATA: CHANGED FPAP LAT/LONG FROM "360325.6585N/0955850.9865W" TO "360325.6655N/ 0955850.9895W" - UPDATED AIRNAV DATA INCORPORATED.
25. FAS DATA: CHANGED TCH FROM "00040.0" TO "00048.3" - PROCEDURE REDESIGNED TO MATCH ILS OR LOC 01L PER ATC REQUEST.
26. FAS DATA: CHANGED CRC REMAINDER FROM "2C883D0B" TO "05133E72". - CHANGED LTP/FTP LAT/LONG FROM 360158.8385N/ 0955916.3410W" TO "360158.8445N/ 0955916.3375W.
27. FAS DATA: CHANGED LTP/FPAP ORTHOMETRIC HEIGHT FROM "+01894" TO "+01896" - CHANGED LTP/FTP LAT/LONG FROM 360158.8385N/ 0955916.3410W" TO "360158.8445N/ 0955916.3375W.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: AMGR, ZKC ARTCC, ZFW ARTCC, RVS ATCT, TUL APP CON.

FLIGHT CHECKED BY

NICHOLAS A VARNER

Digitally signed by

CASIMIR L TABAKA

Dec 23, 2024

OFFICE

AJF

DATE

12/20/2024

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by

CASIMIR L TABAKA

Nov 06, 2024

OFFICE

AJV-A432

DATE

09/18/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Nov 06, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER



AIRPORT ID
RVS

PROCEDURE NAME
RNAV (GPS) RWY 1L

ORIGINAL/AMENDMENT
2

CITY
TULSA

STATE
OK

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRVS
RUNWAY	RW01L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	360158.8445N
LTP/FTP LONGITUDE	0955916.3375W
LTP/FTP ELLIPSOIDAL HEIGHT	+01606
FPAP LATITUDE	360325.6655N
FPAP LONGITUDE	0955850.9895W
THRESHOLD CROSSING HEIGHT (TCH)	00048.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	05133E72
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01896
FPAP ORTHOMETRIC HEIGHT	+01896

