

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
RVS	RNAV (GPS) RWY 19R	1A	TULSA	OK		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
638	638	RNAV (GPS) RWY 19R	1	03/02/2017	3E	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			ROUTINE			

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>
STEBB	IAF	HAXED		TF	FB	1.00	147.98	7.38	2800
HAXED	IF	WUXIT		TF	FB	1.00	164.85	5.63	2000
WUXIT	FAF	RW19R	MAP	TF	FO	0.30	190.35	3.85	
RW19R	MAP	1038 MSL		CA			190.35		
1038 MSL		INHOF		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LP: RW19R
LNAV: RW19R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 DIRECT INHOF AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)		
2.	PROFILE STARTS AT HAXED							
3.	FAC:	190.35	FAF:	WUXIT	DIST FAF TO MAP:	3.85	DIST FAF TO THLD:	3.85
4.	MIN ALT: HAXED 2800, WUXIT 2000							
5.	DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	GS ANT:		
6.	MIN GP INCPT:		GP ALT AT FAF:		OM:	MM:	IM:	
7.	GP ANGLE:		34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	
8.	MSA FROM: RW19R 3600							



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWYS 31 AND 19L.

CHART NOTE: RWY 19R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: VDP NA WHEN USING TUL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUL ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LP VISIBILITY CAT C/D 1/4 SM AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 010.30 INBOUND.

CHART ARRIVAL HOLDING AT STEBB: HOLD NW, RT, 147.98 INBOUND, 2800.

CHART FAS OBST: 963 TREE (40-099277) 360405N/0955921W, 788 TOWER (40-002996) 360424N/0955836W.

CHART VDP AT 1.04 NM TO RW19R.

WAAS CHANNEL # 81939

REFERENCE PATH ID: W19A

WUXIT TO RW19R: 3.23/42.9.

CHART CIRCLING ICON.

LTP HAE: 165.6 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 800-2 1/2

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
LP MDA	1040	1	402	1040	1	402	1040	1 1/8	402	1040	1 1/8	402			
LNAV MDA	1220	1	582	1220	1	582	1220	1 3/4	582	1220	1 3/4	582			
CIRCLING	1260	1	622	1280	1	642	1280	1 3/4	642	1380	2 1/2	742			

CHANGES - REASONS

1. PROFILE LINE 7: ADDED "20:1: IS CLEAR" – IAW 8260.19J, 8-6-7G(2), G(3)A.
2. PBN REQUIREMENTS: ADDED "RNP APCH – GPS", REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" – IAW 8260.19J, 8-6-8D(5)A.
3. ADDED "CHART NOTE: RWY 19R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" – 34:1 PENETRATIONS EXIST.
4. ADDED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" – IAW 8260.19J, 8-6-10M(2).
5. ADDED "CHART NOTE: VDP NA WHEN USING TUL ALTIMETER SETTING" – IAW 8260.19J, 8-6-10E(9).
6. ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUL ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LP VISIBILITY CAT C/D 1/4 SM AND CIRCLING VISIBILITY CAT C 1/4 SM" – IAW 8260.19J, 8-6-10E(7).
7. ADDITIONAL FLIGHT DATA: CHANGED "CHART FAS OBST: 946 TREE 360403N/0955921W" TO "CHART FAS OBST: 963 TREE (40-099277) 360405N/0955921W" – CANCELS IFDC NOTAM 3/3779.
8. ADDITIONAL FLIGHT DATA: REMOVED "968 AAO 360633N/0955715W, 970 AAO 360630N/0955709W" – NEW OBSTACLE EVALUATION.
9. ADDITIONAL FLIGHT DATA: CHANGED "CHART VDP AT 1.10 NM TO RW19R" TO "CHART VDP AT 1.04 NM TO RW19R" – 34:1 PENETRATIONS.
10. MINIMUMS: RAISED LNAV MDA/HAT, CAT C/D VISIBILITY FROM "1200/562/1 5/8 SM" TO "1220/582/1 3/4 SM" - CANCELS IFDC NOTAM 3/3779.
11. FAS DATA: FPAP LATITUDE CHANGED FROM "360121.1035N" TO "360121.1005N" - UPDATED AIRNAV DATA INCORPORATED.
12. FAS DATA: CHANGED CRC REMAINDER FROM "E2A1307B" TO "3ECF12BA" - FPAP LATITUDE CHANGED.



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

09/17/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Nov 06, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KRVS
RW19R
0
0
W19A
360247.9225N
0955902.0105W
+01656
360121.1005N
0955927.3520W
00042.9
F
03.23
106.75
1192
40.0
00.0

CRC REMAINDER

3ECF12BA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K4
+01945
+01945



FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
RVS	RNAV (GPS) RWY 19R	1A	TULSA	OK	638	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM STEBB **TO** HAXED

RNP 1.00 DISTANCE 7.38 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	361710.30N/0960537.63W	1179	50	20	2C	1000				AT621	2800
TERRAIN	361710.30N/0960537.63W	979 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM HAXED **TO** WUXIT

RNP 1.00 DISTANCE 5.63 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
BLDG-TWR (40-000694)	360918.00N/0955926.00W	1429	100	20	3C	500					2000
TERRAIN	361121.00N/0960003.00W	882 (900)								AS1000	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM

WUXIT

TO

RW19R

<u>RNP</u> 0.30	<u>DISTANCE</u> 3.85	<u>PAT</u>	<u>MAP</u> RW19R	<u>HAT</u> 402	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (40-002996)	360423.67N/0955835.95W	788	20	3	1A	250					1040

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

WUXIT

TO

RW19R

<u>RNP</u> 0.30	<u>DISTANCE</u> 3.85	<u>PAT</u>	<u>MAP</u> RW19R	<u>HAT</u> 582	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (40-099277)	360404.54N/0955921.37W	963	20	3	1A	250					1220

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LP

FROM

RW19R

TO

INHOF

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											940
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2800
AAO	355209.00N/0960439.00W	1175	215	8	4B	1000					2200
TERRAIN	355208.15N/0960439.71W	979 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW19R

TO

INHOF

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1120
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2800
AAO	355209.00N/0960439.00W	1175	215	8	4B	1000					2200
TERRAIN	355208.15N/0960439.71W	979 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

RVS

PROCEDURE NAME

RNAV (GPS) RWY 19R

AMDT NO.

1A

CITY

TULSA

STATE

OK

AIRPORT ELEVATION

638

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (40-099171)	360402.51N/0955921.28W	1.30	622	956	20	3	1A	300			1260
CATEGORY B											
ELECTRICAL_SYSTEM (40-099845)	360412.13N/0955937.85W	1.83	642	966	20	10	1B	300			1280
CATEGORY C											
ELECTRICAL_SYSTEM (40-099845)	360412.13N/0955937.85W	2.87	642	966	20	10	1B	300			1280
CATEGORY D											
AAO	355940.00N/0960239.00W	3.75	742	1069	215	8	4B	300			1380

CIRCLING REMARKS:

MSA

CENTER

RW19R

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (40-001117)	360115.00N/0954033.00W	093	15.1	2549	500	50	5D	1000			3600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

TUL APP CON, RVS TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	RVS	24	RVS	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	TUL	24	TUL	10.62	Y	26

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
RVS 638, TUL 639
RA = 25.1.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>	
RW01R - MIRL (PCL), PAPI-4L	BSC-G		
RW13 - MIRL (PCL)	BSC-G		
RW19L - MIRL (PCL), PAPI-4L	BSC-G		
RW31 - MIRL (PCL)	BSC-G		
RW19R - REIL, HIRL (PCL), PAPI-4L	NPI-G		
RW01L - REIL, HIRL (PCL), PAPI-4L	PIR-G		

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.23	638.2	42.9			3.20	48.1

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LP, LNAV
34:1	
712 TREE (40-100348) 360309.42N/0955853.85W (12.92)	711 TREE (40-099280) 360309.20N/0955853.90W (12.59)



<u>AIRPORT ID</u> RVS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19R	<u>AMDT NO.</u> 1A	<u>CITY</u> TULSA	<u>STATE</u> OK	<u>AIRPORT ELEVATION</u> 638	<u>FACILITY</u> RNAV
709 TREE (40-099916) 360309.32N/0955853.57W (10.06)			700 TREE (40-099113) 360306.50N/0955854.06W (9.49)			
709 TREE (40-099448) 360309.65N/0955853.71W (9.18)			695 TREE (40-099964) 360306.19N/0955853.92W (5.31)			
695 TREE (40-099781) 360306.56N/0955853.61W (4.07)			703 TREE (40-100103) 360309.60N/0955854.41W (3.71)			
668 TREE (40-099778) 360258.27N/0955857.92W (3.46)			688 TREE (40-099871) 360305.18N/0955853.55W (1.03)			
703 TREE (40-099278) 360310.44N/0955852.98W (0.49)			663 TREE (40-100355) 360257.61N/0955857.56W (0.17)			
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION PER FPT.

B/U ALTIMETER NOTE CHARTED AT FPT/APT MGR REQUEST.

LNAV AND LP ONLY - RUNWAY SURVEY.

TAA NOT DEVELOPED PER ATC.

PROCEDURE DESIGNED WITH OFFSET TO THE WEST IN INTERMEDIATE AND INITIAL SEGMENTS TO AVOID TULSA INTL (KTUL) AIRPORT ARRIVAL AIRSPACE PER ATC REQUEST.

ORDER 8260.3 CHAPTER 2 APPLIED TO 978 AAO 360633.00N/0955715.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
RVS	RNAV (GPS) RWY 19R	1A	TULSA	OK	638	RNAV

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.52
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.82
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	193.35
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	8.68
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	167.85
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN) 360247.92N/0955902.01W

ARP COORDINATES 360222.50N/0955904.54W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 1L DISTANCE 0.42 NM

FAF COORDINATES 360632.87N/0955756.28W

FIX NAME COORDINATES

REMARKS

ADDITIONAL AIRSPACE NOT REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (ROBERT A. SWINSON)	AJV-A432	09/17/2024	AERONAUTICAL INFORMATION SPECIALIST

