

**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> KTUL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> TULSA	<u>STATE</u> OK		
<u>AIRPORT ELEVATION</u> 678	<u>TDZE</u> 678	<u>SUPERSEDED</u> RNAV (GPS) RWY 36L	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 05/19/2022	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 270/30 CW 090/30	NOPT	SUSNE	IF/IAF	3600
2. 090/30 CW 180/30		WUSPA	IAF	3600
3. 180/30 CW 270/30		ZULEN	IAF	3600

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WUSPA	IAF	SUSNE	NOPT	TF	FB	1.00	090.00	7.00	3600
ZULEN	IAF	SUSNE	NOPT	TF	FB	1.00	270.16	7.00	3600
SUSNE	IF/IAF	PASIE		TF	FB	1.00	000.08	6.90	2400
PASIE	FAF	TREEO/1.69 NM TO RW36L		TF	FB	0.30	000.08	3.58	
TREEO/1.69 NM TO RW36L		RW36L	MAP	TF	FO	0.30	000.08	1.69	
RW36L	MAP	928 MSL		CA			000.08		
928 MSL		AXIWU		DF	FO	1.00			3500



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT AXIWU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S SUSNE, RT, 000.08 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 17500.					
3. FAC: 000.08	FAF: PASIE		DIST FAF TO MAP: 5.27		DIST FAF TO THLD: 5.27
4. MIN ALT: SUSNE 3600, PASIE 2400, TREEO/1.69 NM TO RW36L 1260					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.65	GS ANT:
6. MIN GP INCPT: 2400	GP ALT AT PFAF: PASIE 2400			OM:	MM:
		IM:			
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.0		
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

ADDITIONAL FLIGHT DATA:

WAAS CHANNEL # 50344
REFERENCE PATH ID: W36B
HOLD N, RT, 180.09 INBOUND.
CHART FAS OBST: 845 TOWER (40-020215) 360942N/0955420W.
CHART 1031 TOWER 360609N/0955440W.
CHART CIRCLING ICON.
LTP HAE: 177.4 M



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

ALTERNATE: NA STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4

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	928	3/4	250	928	3/4	250	928	3/4	250	928	3/4	250				
LNAV/VNAV DA	1088	1 1/8	410	1088	1 1/8	410	1088	1 1/8	410	1088	1 1/8	410				
LNAV MDA	1120	1	442	1120	1	442	1120	1 3/8	442	1120	1 3/8	442				
CIRCLING	1120	1	442	1160	1	482	1500	2 1/2	822	1520	2 3/4	842				

CHANGES - REASONS

1. CHANGED NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C OR ABOVE 54C TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C OR ABOVE 54C - REVISED HISTORICAL TEMPERATURE AND IAW 8260.19I 8-6-9.
2. CHANGED FAS DATA BLOCK REFERENCE PATH IDENTIFIER (APPROACH ID) FROM W36A TO W36B - CORRECT CHARTING ERROR REFERENCE 36A USED ON THE RNAV (GPS) RWY 36R PROCEDURE IAW 8260.19I APPENDIX K.
3. RAISED LNAV/VNAV DA/HAT FROM 1086/408 TO 1088/410 - LNAV/VNAV SLOPE CHANGED REFERENCE HISTORICAL TEMPS CHANGE.
4. CHANGED CRC REMAINDER FROM 1547455C TO 2BCD533D - REFERENCE PATH IDENTIFIER (APPROACH ID) CHANGE.
5. REMOVED VDP IAW 8260.3E 2-6-5 - VDP WAS WITHIN 0.5 NM OF NEW STEPDOWN FIX IN FINAL.
6. ADDED STEPDOWN FIX (TREEO) IN FINAL TO RETAIN CURENTLY PUBLISHED LNAV MDA-HIGH TERRAIN AND AAO WERE OVERLOOKED ON PREVIOUS REVISION.
7. CHANGED "CHART FAS OBS: 866 TOWER (40-003400) 360844N/0955407W" TO "CHART FAS OBST: 845 TOWER (40-020215) 360942N/0955420W" - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA **OTHER:** ZKC, ZFW, ZMW, TUL APP CON, TUL ATCT, AMGR

FLIGHT CHECKED BY

MICHAEL J LAWRENCE

Digitally signed by
CASIMIR L TABAKA
May 01, 2023

OFFICE

FPO

DATE

04/25/2023

DEVELOPED BY

STEVEN M. BARNETT (CHARKETA BUIE)

Digitally signed by
CASIMIR L TABAKA
May 01, 2023

OFFICE

AJV-A433

DATE

01/18/2023

APPROVED BY

DAVID TEFFETELLER

Digitally signed by
CASIMIR L TABAKA
May 01, 2023

OFFICE

AJV-A433

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTUL
RUNWAY	RW36L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36B
LTP/FTP LATITUDE	361125.7555N
LTP/FTP LONGITUDE	0955400.7335W
LTP/FTP ELLIPSOIDAL HEIGHT	+01774
FPAP LATITUDE	361254.8520N
FPAP LONGITUDE	0955354.8040W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0888
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2BCD533D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02064
FPAP ORTHOMETRIC HEIGHT	+02064

