

**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><b>AIRPORT ID</b></u> KTUL	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 36L	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>CITY</b></u> TULSA	<u><b>STATE</b></u> OK		
<u><b>AIRPORT ELEVATION</b></u> 678	<u><b>TDZE</b></u> 678	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 36L	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-D	<u><b>DATED</b></u> 03/31/2016	<u><b>MAG VAR</b></u> 3E	<u><b>EPOCH YEAR</b></u> 2020
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> 05/19/2022	<u><b>CANCEL/SUSPEND</b></u>		

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
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**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
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	RW36L	MAP	TF	FO	0.30	000.08	5.27	
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:**

QUALITY  
2  
CHECKED

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. FAF: 000.08FAF: PASIEDIST FAF TO MAP: 5.27DIST FAF TO THLD: 5.27

4. MIN ALT: SUSNE 3600, PASIE 2400

5. DIST TO THLD FROM FAF: 5.27MM:IM:150 HAT:250 HAT: 0.65GS ANT:

6. MIN GP INCPT: 2400GP ALT AT PFAF : PASIE 2400OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 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 -11°C OR ABOVE 54°C.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 180.09 INBOUND.  
CHART FAS OBST: 866 TOWER (40-003400) 360844N/0955407W.  
CHART 1031 TOWER 360609N/0955440W.  
CHART VDP AT 1.24 NM TO RW36L.  
WAAS CHANNEL # 50344  
REFERENCE PATH ID: W36A  
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	1086	1 1/8	408	1086	1 1/8	408	1086	1 1/8	408	1086	1 1/8	408			
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			

QUALITY  
2  
CHECKED

CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED IAF WUSPA-SUSNE COURSE/DIST FROM 090.01/6.00 TO 090.00/7.00. - MOVED WUSPA FIX TO FACILITATE TURNING AND ATC VECTORS.
2. TERMINAL ROUTES: CHANGED IAF ZULEN-SUSNE COURSE/DIST FROM 270.15/6.00 TO 270.16/7.00. - MOVED ZULEN FIX TO FACILITATE TURNING AND ATC VECTORS.
3. TERMINAL ROUTES: CHANGED IF DIST FROM 7.00 TO 6.90. - MOVED FAF FOR OPTIMAL DESIGN.
4. TERMINAL ROUTES: CHANGED FAF DIST FROM 5.17 TO 5.27. - MOVED FAF FOR OPTIMAL DESIGN.
5. TERMINAL ROUTES: CHANGED CA LEG ALTITUDE FROM 1078 TO 928. - ADDED LPV WITH LOWER MINS.
6. PROFILE: LINE 2; ADDED MAX 17500, LINE 3; CHANGED DIST FAF TO MAP/THLD FROM 5.17 TO 5.27, LINE 4; ADDED DIST TO THLD FROM FAF: 5.27 AND 200 HAT: 0.65, LINE 7; CHANGED TCH FROM 50.0 TO 45.0 AND ADDED 20:1 IS CLEAR. - IAW 8260.19I 8-6-7 AND MOVED FAF FOR OPTIMAL DESIGN.
7. PBN REQUIREMENTS NOTE: ADDED RNP APCH-GPS. - IAW 8260.19I 8-6-8.
8. NOTES: REMOVED DME/DME NOTE. - IAW 8260.19I 8-6-9.
9. NOTES: CHANGED BARO-VNAV NOTE FROM "BELOW -13C (9F) OR ABOVE 54C (130F)" TO "BELOW -11°C OR ABOVE 54°C". - IAW 8260.19I 8-6-9.
10. ADDITIONAL FLIGHT DATA: ADDED 40-000370 TO FAS OBST DESCRIPTION, WAAS CHANNEL, AND LTP HAE, CHANGED VDP FROM 1.42 TO 1.24 AND REMOVE "", AND REMOVED "LNAV ONLY" AND DIST FROM THLD. - IAW 8260.19I 8-6-10 AND ADDED LPV WITH LOWER MINS AND NEW EVAL COMPLETED.
11. MINS: ADDED LPV MINS. - VGS PENS NO LONGER EXIST AND NEW EVAL COMPLETED.
12. MINS: CHANGED VNAV FROM 1105/427/ 1 3/8 SM TO 1086/408/1 1/8 SM. - NEW EVAL COMPLETED YIELDING NEW CONT OBST.
13. MINS: CHANGED LNAV 1180/502 TO 1120/442. - NEW EVAL COMPLETED AND LOWERED MINS ON FULL AMDT.
14. ADDED FAS DATA. - ADDED LPV MINS.
15. NOTES: CHANGED SIMULTANEOUS APPROACH NOTE FROM "SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 36R AND ILS RWY 36R (CAT II)" TO "SIMULTANEOUS APPROACH AUTHORIZED". - IAW 8260.19I 8-5-11 O (8).
16. ADDITIONAL FLIGHT DATA: REMOVED CHART TDZE 678 AND CHART ASR. - IAW 8260.19I 8-6-10.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZKC, ZFW, ZME, TUL APP CON, TUL ATCT, AMGR

FLIGHT CHECKED BY  
PENDING

Digitally signed by  
**DONALD H LANIER**  
Mar 01, 2022

OFFICE  
FPO

DATE

DEVELOPED BY  
DONALD H. LANIER (ANDRE TUCKER)

Digitally signed by  
**DONALD H LANIER**

OFFICE  
AJV-A431

DATE  
12/29/2021

APPROVED BY  
LONNIE EVERHART

Digitally signed by  
**DONALD H LANIER**  
Mar 01, 2022

OFFICE  
AJV-A430

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)	W36A
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	1547455C

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY  
2  
CHECKED

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

<u>AIRPORT ID</u> KTUL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36L	<u>AMDT NO.</u> 1	<u>CITY</u> TULSA	<u>STATE</u> OK	<u>AIRPORT ELEVATION</u> 678	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
270/30 CW 090/30

TO  
SUSNE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<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 (40-001117)	360115.00N/0954033.00W		2549	500	50	5D	1000					3600
TERRAIN	355630.00N/0963106.00W		1092 (1100)								AS1500	2600

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

LEFT BASE AREA

FROM  
090/30 CW 180/30

TO  
WUSPA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<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 (40-000184)	361146.52N/0960552.96W		2303	20	10	1B	1000				AT297	3600
TERRAIN	361730.00N/0962003.00W		1076 (1100)								AS1500	2600

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



RIGHT BASE AREA

FROM

180/30 CW 270/30

TO

ZULEN

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (40-001117)	360115.00N/0954033.00W		2549	500	50	5D	1000					3600
TERRAIN	362342.00N/0952551.00W		964 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

WUSPA

TO

SUSNE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
7.00												
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BLDG_TWR (40-000753)	360235.00N/0955714.00W		1323	20	3	1A	1000				AT1277	3600
TERRAIN	355757.00N/0960236.00W		875 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

ZULEN

TO

SUSNE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	355839.00N/0955709.00W		775	164	98	4E	1000				AT1825	3600
TERRAIN	360048.00N/0954818.00W		734 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

SUSNE (IF/IAF)

TO

PASIE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	6.90											
<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 (40-000753)	360235.00N/0955714.00W		1323	20	3	1A	500					1900
TERRAIN	360224.00N/0955424.00W		889 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM  
PASIE

TO  
RW36L

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.27		DA		250							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (40-055113)	361112.26N/0955403.01W		710	20	3	1A		34.00:1				928

COMPUTATIONS

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

FINAL: LNAV/VNAV

FROM  
PASIE

TO  
RW36L

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.27		DA		408							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	361028.01N/0955439.75W		789	50	20	2C		22.87:1			AC20	1086

COMPUTATIONS

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



FINAL: LNAV

FROM  
PASIE

TO  
RW36L

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.27		RW36L	442								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (40-003400)	360843.94N/0955407.32W		866	20	3	1A	250					1120

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM  
SUSNE

TO  
P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
		P-5										
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BLDG_TWR (40-000753)	360235.00N/0955714.00W		1323	20	3	1A	1000				AT1277	3600
TERRAIN	355048.00N/0954942.00W		895 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LPV

FROM  
DA

TO  
AXIWU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 740					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
TOWER (40-001449)	361646.00N/0955539.00W		1020	500	50	5D	1000					2100
TERRAIN	362336.00N/0955539.00W		757 (800)								AS1500	2300

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

MISSED APPROACH : LNAV/VNAV

FROM  
DA

TO  
AXIWU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 925					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
TOWER (40-001449)	361646.00N/0955539.00W		1020	500	50	5D	1000					2100
TERRAIN	362336.00N/0955539.00W		757 (800)								AS1500	2300

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



MISSED APPROACH : LNAV

FROM

RW36L

TO

AXIWU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1020					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
TOWER (40-001449)	361646.00N/0955539.00W		1020	500	50	5D	1000					2100
TERRAIN	362336.00N/0955539.00W		757 (800)								AS1500	2300

COMPUTATIONS

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

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											
ANTENNA (40-032373)	361032.93N/0955456.94W	1.30	442	818	20	10	1B	300			1120
CATEGORY B											
TOWER (40-020215)	360941.70N/0955420.38W	1.83	482	845	20	3	1A	300			1160
CATEGORY C											
TOWER (40-002103)	361010.02N/0955710.85W	2.88	822	1147	250	50	4D	300		AC50	1500
CATEGORY D											
TOWER (40-000449)	361018.00N/0955721.00W	3.76	842	1152	500	50	5D	300		AC50	1520

CIRCLING REMARKS:



<u>CENTER</u>	<u>RADIUS</u>
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REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
TUL APP CON

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KTUL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KTUL	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 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>

WX REMARKS:  
BACKUP ALTIMETER SOURCE NOT USED, REDUNDANT SOURCES ON AIRFIELD.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW8 - HIRL, REIL, PAPI-4L	NPI-G	
RW26 - MALSR, HIRL, REIL, PAPI-4L	NPI-G	
RW18L - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW18R - HIRL, REIL, PAPI-4L	PIR-G	
RW36L - HIRL, REIL, PAPI-4L	PIR-G	
RW36R - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 677.2	<u>TCH</u> 45.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 45.0
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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> -11C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -11C	<u>APT ISA</u> +13.66C
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CRITICAL TEMPERATURE REMARKS:  
AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2016-2020).  
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.  
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1271.



**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

PENETRATIONS REMARKS:

**PART C: GENERAL REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
  
AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPT.  
  
ORDER 8260.3 CHAPTER 2 APPLIED TO 1031 TOWER (40-000984) 360609.00N/0955440.00W.  
  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KTUL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36L	<u>AMDT NO.</u> 1	<u>CITY</u> TULSA	<u>STATE</u> OK	<u>AIRPORT ELEVATION</u> 678	<u>FACILITY</u> RNAV
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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	3.38
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	003.08
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	5.07
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	003.08
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD  
COORDINATES  
(IF STR-IN)

361125.76N/0955400.73W

ARP COORDINATES

361154.22N/0955317.18W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 18L DISTANCE 0.99 NM

FAF  
COORDINATES

360609.65N/0955421.74W

FIX NAME  
COORDINATES

IF/IAF SUSNE: 355915.58N/0955449.20W, IAF WUSPA: 355937.87N/0960326.03W, IAF ZULEN: 355852.67N/0954612.45W

REMARKS

TAA INFORMATION: IF/IAF 270/30 CW 090/30 TO SUSNE, IAF 090/30 CW 180/30 TO WUSPA, IAF 180/30 CW 270/30 TO ZULEN.

QUALITY  
2  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> DONALD H. LANIER (ANDRE TUCKER)	<u>OFFICE</u> AJV-A431	<u>DATE</u> 12/29/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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