

**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 18R	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> TULSA	<u>STATE</u> OK		
<u>AIRPORT ELEVATION</u> 678	<u>TDZE</u> 668	<u>SUPERSEDED</u> RNAV (GPS) RWY 18R	<u>ORIGINAL/AMENDMENT</u> 2	<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> 5 OCTOBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 090/30 CW 270/30	NOPT	VIDKY	IF/IAF	3500
2. 270/30 CW 000/30		ERXAV	IAF	3600
3. 000/30 CW 090/30		COQXA	IAF	3500

**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>
COQXA	IAF	VIDKY	NOPT	TF	FB	1.00	089.97	9.89	3500
ERXAV	IAF	VIDKY	NOPT	TF	FB	1.00	270.22	9.89	3500
VIDKY	IF/IAF	KROAK		TF	FB	1.00	180.10	6.30	2500
KROAK	FAF	RW18R	MAP	TF	FO	0.30	180.09	6.22	
RW18R	MAP	868 MSL		CA			180.09		
868 MSL		SUSNE		DF	FO	1.00			3500

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW18R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 DIRECT SUSNE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD N VIDKY, RT, 180.10 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 17500.
- 3. **FAC:** 180.09    **FAF:** KROAK    **DIST FAF TO MAP:** 6.22    **DIST FAF TO THLD:** 6.22
- 4. **MIN ALT:** VIDKY 3500, KROAK 2500
- 5. **DIST TO THLD FROM FAF:** 6.22                            **MM:**    **IM:**    **150 HAT:**    **200 HAT:** 0.62    **GS ANT:**
- 6. **MIN GP INCPT:** 2500    **GP ALT AT PFAF :** KROAK 2500    **OM:**    **MM:**    **IM:**
- 7. **GP ANGLE:** 2.75    **34:1:** IS CLEAR    **20:1:** IS CLEAR    **TCH:** 42.1
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

- CHART NOTE: CIRCLING NA FOR CAT E S OF RWY 8-26.
- CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
- CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C OR ABOVE 54°C.
- CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
- CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

**ADDITIONAL FLIGHT DATA:**

HOLD S, RT, 000.08 INBOUND.  
 FAS OBST: 919 AAO 361722N/0955251W.  
 CHART VDP AT 1.68 NM TO RW18R.  
 WAAS CHANNEL # 69614  
 REFERENCE PATH ID: W18B  
 CHART CIRCLING ICON.  
 LTP HAE: 167.2 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, CAT E 900-3



CATEGORY:	A			B			C			D			E		
	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	868	3/4	200	868	3/4	200	868	3/4	200	868	3/4	200	868	3/4	200
LNAV/VNAV DA	954	7/8	286	954	7/8	286	954	7/8	286	954	7/8	286	954	7/8	286
LNAV MDA	1180	1	512	1180	1	512	1180	1 3/8	512	1180	1 3/8	512	1180	1 3/8	512
CIRCLING	1180	1	502	1180	1	502	1500	2 1/2	822	1520	2 3/4	842	1520	3	842

**CHANGES - REASONS**

1. NOTES: CHANGED" CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C OR ABOVE 54°C" - NEW TARGETS RESULTS.
2. TERMINAL ROUTES: CHANGED ALL INSTANCES OF "OYAVY" TO "KROAK" - PFAF RENAMED PER FPT.
3. PROFILE LINE 3: FAF CHANGED FROM "OYAVY" TO "KROAK" - PFAF RENAMED PER FPT.
4. PROFILE LINE 4: MIN ALT CHANGED FROM "OYAVY 2500" TO "KROAK 2500" - PFAF RENAMED PER FPT.
5. PROFILE LINE 6: GP ALT AT PFAF CHANGED FROM "OYAVY 2500" TO KROAK 2500" - PFAF RENAMED PER FPT.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE**

**DATE**

*Digitally signed by*

**ERIC N SUSKI**

Jul 13, 2023

**DEVELOPED BY**

ERIC N SUSKI (ZACHARY KRUEGER)

*Digitally signed by*

**ERIC N SUSKI**

Jul 13, 2023

**OFFICE**

AJV-A431

**DATE**

05/24/2023

**APPROVED BY**

ERIC N SUSKI

*Digitally signed by*

**ERIC N SUSKI**

Jul 13, 2023

**OFFICE**

AJV-A431

**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	RW18R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18B
LTP/FTP LATITUDE	361220.0715N
LTP/FTP LONGITUDE	0955357.1190W
LTP/FTP ELLIPSOIDAL HEIGHT	+01672
FPAP LATITUDE	361050.9745N
FPAP LONGITUDE	0955403.0470W
THRESHOLD CROSSING HEIGHT (TCH)	00042.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.75
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1D4F1A55

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01962
FPAP ORTHOMETRIC HEIGHT	+01962

