

**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> KTXK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> TEXARKANA	<u>STATE</u> AR		
<u>AIRPORT ELEVATION</u> 390	<u>TDZE</u> 388	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 12/02/2021	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 1985
<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>		

**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>
TXK VORTAC		JELGA		TF	FO	1.00	315.08	6.07	2000
GIGVE	IAF	JELGA	NOPT	TF	FB	1.00	039.85	6.21	2000
CUGSO	IAF	JELGA	NOPT	TF	FB	1.00	219.93	4.55	2000
JELGA	IF/IAF	TIYGO		TF	FB	1.00	129.90	6.32	2000
TIYGO	FAF	RW13	MAP	TF	FO	0.30	129.95	4.96	
RW13	MAP	648 MSL		CA			129.95		
648 MSL		WATLE		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 DIRECT WATLE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NW JELGA, RT, 129.90 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	129.95	FAF: TIYGO	DIST FAF TO MAP: 4.96	DIST FAF TO THLD: 4.96	
4. MIN ALT:	JELGA 2000, TIYGO 2000				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	260 HAT: 0.71	GS ANT:
6. MIN GP INCPT:	2000	GP ALT AT PFAF :	TIYGO 2000	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
			TCH: 54.0		
8. MSA FROM:	RW13 2000				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DE QUEEN ALTIMETER SETTING.  
CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TXK VORTAC ON V13 SOUTHBOUND.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DE QUEEN ALTIMETER SETTING AND INCREASE LPV DA TO 748 FEET AND ALL CATS VISIBILITY 1/4 SM, LNAV/VNAV DA TO 868 FEET ALL CATS VISIBILITY 3/8 SM, AND ALL MDAS 100 FEET AND LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 310.08 INBOUND.  
CHART FAS OBST: 513 ANTENNA (05-103442) 332823N/0940057W.  
CHART VDP AT 1.15 NM TO RW13.  
WAAS CHANNEL # 87099  
REFERENCE PATH ID: W13A  
LTP HAE: 84.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	648	3/4	260	648	3/4	260	648	3/4	260	648	3/4	260			
LNAV/VNAV DA	768	1	380	768	1	380	768	1	380	768	1	380			
LNAV MDA	780	1	392	780	1	392	780	1 1/8	392	780	1 1/8	392			
CIRCLING	820	1	430	900	1	510	1000	1 3/4	610	1080	2 1/4	690			



CHANGES - REASONS

1. CHANGED PBN REQUIREMENTS NOTE FROM 'RNP APCH' TO 'RNP APCH-GPS' - PER 8260.19I PARA. 8-6-8B(2).
2. ADDED PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - PAPI-4L TCH ADJUSTED FROM 54.0 TO 47.8 FT AND PER 8260.19I PARA. 8-6-9M(1).
3. REMOVED PROFILE NOTE: \*LNAV ONLY - NO LONGER REQUIRED.
4. REMOVED ASTERISK FROM ADDITIONAL FLIGHT DATA: CHART VDP AT 1.08 NM TO RW13 - RESULT OF \*LNAV ONLY' REMOVAL.
5. REPLACED 'VIA' WITH 'ON' IN PLANVIEW NOTE - PER 8260-19I PARA. 8-2-5E(2).
6. CHANGED FAS OBST FROM 505 TOWER (04-1524) 332916N/0940248W TO 513 ANTENNA (05-103442) 332823N/0940057W - NEW CONTROLLING OBSTRUCTION IN LNAV FINAL SEGMENT.
7. LPV DA RAISED FROM 647 TO 648 - TOUCHDOWN ZONE ELEVATION RAISED FROM 387 TO 388.
8. LNAV/VNAV DA RAISED FROM 767 TO 768 - TOUCHDOWN ZONE ELEVATION RAISED FROM 387 TO 388.
9. RAISED LNAV MDA/HAT FROM 760/373 TO 780/392 - NEW CONTROLLING OBSTRUCTION 513 ANTENNA (05-103442).
10. MOVED VDP FROM 1.08 TO RW13 TO 1.15 NM TO RW13 - RESULT OF MDA/HAT INCREASE AND PAPI-4L TCH CHANGE FROM 54.0 FT TO 47.8 FT.
11. CHANGED NOTE FROM 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DE QUEEN ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 3/8 SM, AND CIRCLING CAT C/D VISIBILITY 1/4 SM' TO 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DE QUEEN ALTIMETER SETTING AND INCREASE LPV DA TO 748 FEET AND ALL CATS VISIBILITY 1/4 SM, LNAV/VNAV DA TO 868 FEET ALL CATS VISIBILITY 3/8 SM, AND ALL MDAS 100 FEET AND LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 SM' - FORMAT PER 8260.3E PARA. 8-6-11N(1)(A)3 AND DUE TO LNAV CAT C/D VISIBILITY INCREASE.
12. CHANGED DISTANCE TO THLD FROM 260 HAT FROM 0.73 NM TO 0.71 NM - RESULT OF 1 FOOT INCREASE TO DA.
13. CHANGED DISTANCE FAF TO MAP/THLD FROM 4.90 NM TO 4.96 NM - TARGETS DETERMINED LOCATION BASED ON UPDATED CRITERIA.
14. REDUCED LPV ALL CATS VISIBILITY FROM 1 SM TO 3/4 SM - PER 8260.3E TABLE 3-3-1.
15. REDUCED LNAV/VNAV ALL CATS VISIBILITY FROM 1 1/2 SM TO 1 SM - PER 8260.3E TABLE 3-3-1.
16. INCREASED LNAV CAT C/D VISIBILITY FROM 1 SM TO 1 1/8 SM - RESULT OF MDA/HAT INCREASE AND PER 8260.3E TABLE 3-3-1.
17. REDUCED CIRCLING CAT A/B VISIBILITY FROM 1 1/2 SM TO 1 SM - PER 8260.3E TABLE 3-3-7.
18. FAS DATA: LTP/FTP COORDINATES CHANGED FROM 332731.8625N/0935931.8155W TO 332731.8655N/0935931.8190W AND LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +00834 TO +00846 - NEW 3RD PARTY SURVEY DATED 8/14/2020.
19. FAS DATA: CRC REMAINDER CHANGED FROM 4859D8CC TO 84A86E23 - RESULT OF LTP/FTP RELOCATION AND HEIGHT CHANGE.
20. FAS DATA: LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM +01103 TO +01115 - DUE TO CHANGE IN LTP ELEVATION.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: TXK ATCT, ZFW, AMGR, ST. AVIATION DIR.

FLIGHT CHECKED BY

JOEL F HAWKLEY

Digitally signed by

RAKE MCGRAW

May 08, 2023

OFFICE

FPO

DATE

05/03/2023

DEVELOPED BY

RALPH DUMAR

Digitally signed by

RALPH DUMAR

Apr 04, 2023

OFFICE

AJV-A422

DATE

03/02/2023

APPROVED BY

MARLON ROBINSON

Digitally signed by

RAKE MCGRAW

May 08, 2023

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTXK
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	332731.8655N
LTP/FTP LONGITUDE	0935931.8190W
LTP/FTP ELLIPSOIDAL HEIGHT	+00846
FPAP LATITUDE	332628.7500N
FPAP LONGITUDE	0935816.5200W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1360
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	84A86E23

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01115
FPAP ORTHOMETRIC HEIGHT	+01115

