

**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> KFWS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18R	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> FORT WORTH	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 700	<u>TDZE</u> 700	<u>SUPERSEDED</u> RNAV (GPS) RWY 17R	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<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>
FEVER		WANON		TF	FB	1.00	016.93	27.47	2600
WANON	IAF	WOVPI		TF	FB	1.00	087.02	8.50	2300
WOVPI	IF	UBOSE		TF	FB	1.00	177.11	7.00	2300
UBOSE	FAF	COVUV/1.60 NM TO RW18R		TF	FB	0.30	177.11	3.30	
COVUV/1.60 NM TO RW18R		RW18R	MAP	TF	FO	0.30	177.11	1.60	
RW18R	MAP	1600 MSL		CA			177.11		1600
1600 MSL		SLUGG		DF	FO	1.00			3100

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW18R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3100 DIRECT SLUGG AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT WOVPI

3. FAC:

177.11

FAF: UBOSE

DIST FAF TO MAP: 4.90

DIST FAF TO THLD: 4.90

4. MIN ALT: WOVPI 2300, UBOSE 2300, COVUV/1.60 NM TO RW18R 1240

5. DIST TO THLD FROM FAF:

4.90

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

2300

GP ALT AT FAF :

UBOSE 2300

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1:

IS NOT CLEAR

20:1:

IS CLEAR

TCH:

39.9

8. MSA FROM: RW18R 3600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA W OF RWY 18R-36L.  
CHART NOTE: RWY 18R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 224.97 INBOUND.  
CHART FAS OBST: 849 TREE 323434N/0971858W.  
WAAS CHANNEL # 62899  
REFERENCE PATH ID: W18A  
LTP HAE: 185.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	950	3/4	250	950	3/4	250	950	3/4	250	950	3/4	250			
LNAV/VNAV DA	1030	1	330	1030	1	330	1030	1	330	1030	1	330			
LNAV MDA	1100	1	400	1100	1	400	1100	1 1/8	400	1100	1 1/8	400			
CIRCLING	1200	1	500	1200	1	500	1340	1 3/4	640	1340	2	640			



**CHANGES - REASONS**

1. ALL CHANGES FROM AMENDMENTS 1A, 1B, AND 1C HAVE BEEN INCORPORATED INTO THIS PROCEDURE. - 8260.19I 8-3-4-C(1).
2. PROCEDURE HEADING: CHANGED AIRPORT MAGVAR FROM 7E TO 3E. - MAGVAR UPDATED WITHIN TOLERANCE.
3. PROCEDURE HEADING: CHANGED PROCEDURE NAME RWY FROM 17R TO 18R. - MAGVAR UPDATED FROM 7E TO 3E AND RUNWAY NUMBERS CHANGED.
4. WHOLE PROCEDURE: ALL COURSES INCREASED BY 4 IN TERMINAL ROUTES, PROFILE LINE 3 FAC, AND ADDITIONAL FLIGHT DATA HOLD. - MAGVAR UPDATED FROM 7E TO 3E.
5. WHOLE PROCEDURE: RWY DESCRIPTION CHANGED FROM 17R TO 18R IN TERMINAL ROUTES, LNAV MAP, PROFILE LINE 4 AND 8, NOTES, ADDITIONAL FLIGHT DATA, AND FAS DATA. - MAGVAR UPDATED FROM 7E TO 3E AND RUNWAY NUMBERS CHANGED.
6. PROFILE: REMOVED "" FROM COVUV SDF IN LINE 4 AND ADDED "DIST FROM FAF: 4.90" TO LINE 5 AND ADDED 20:1 IS CLEAR IN LINE 7. - IAW 8260.19I 8-6-7.
7. PBN REQUIREMENTS NOTE: ADDED RNP APCH-GPS. - IAW 8260.19I 8-6-8.
8. NOTES: REMOVED DME/DME RNP-0.3 NA, REMOVED \*LNAV ONLY, ADDED "RWY 18R TO HELI VIS NOTE, AND CHANGED BARO-VNAV NOTE FROM "-16C (4F) OR ABOVE 39C (102F)" TO "-16C OR ABOVE 54C". - IAW 8260.19I 8-6-9.
9. ADDITIONAL FLIGHT DATA: CHANGED REFERENCE PATH ID FROM RW17A TO RW18A. - IAW 8260.19I 8-6-10, AND MAGVAR UPDATED FROM 7E TO 3E AND RUNWAY NUMBERS CHANGED..
10. MINIMUMS: CHANGED LPV ALL CATS FROM 7/8 SM TO 3/4 SM AND LNAV/VNAV VIS ALL CATS FROM 1 1/8 SM TO 1 SM. - IAW 8260.3D 3-3-2.
11. FAS DATA: CHANGED CRC REMAINDER FROM 1E103B53 TO 9859D3F9. - MAGVAR UPDATED FROM 7E TO 3E, RUNWAY NUMBERS CHANGED, AND RUNWAY CHANGED FROM RW17R TO RW18R AND REFERENCE PATH ID CHANGED FROM W17A TO W18A.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAJ** ☐ **NBAA** ☒ **OTHER:** FWS ATCT, ZFW, AMGR, ST. AVIATION DIR., REGIONAL APP CON

**FLIGHT CHECKED BY**

GREGORY MILLS

Digitally signed by

**JOHN BORDY**

Nov 04, 2021

**OFFICE**

FPO

**DATE**

11/01/2021

**DEVELOPED BY**

JOHN BORDY (ANDRE TUCKER)

Digitally signed by

**JOHN BORDY**

Nov 04, 2021

**OFFICE**

AJV-A422

**DATE**

09/08/2021

**APPROVED BY**

MARLON ROBINSON

Digitally signed by

**JOHN BORDY**

Nov 04, 2021

**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	KFWS
RUNWAY	RW18R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	323421.0520N
LTP/FTP LONGITUDE	0971834.7550W
LTP/FTP ELLIPSOIDAL HEIGHT	+01859
FPAP LATITUDE	323251.7700N
FPAP LONGITUDE	0971834.9600W
THRESHOLD CROSSING HEIGHT (TCH)	00039.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9859D3F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02135
FPAP ORTHOMETRIC HEIGHT	+02135