

**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> KDKX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KNOXVILLE	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 833	<u>TDZE</u> 832	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 03/28/2019	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WHINS	IAF	SPROC		TF	FB	1.00	259.70	17.26	3500
JISIT	IAF	SPROC		TF	FB	1.00	170.31	6.43	3500
YEBUB	IAF	SPROC		TF	FB	1.00	350.25	6.43	3500
SPROC	IF	CIXUG		TF	FB	1.00	260.33	7.91	2500
CIXUG	FAF	RW26	MAP	TF	FO	0.30	260.23	4.57	
RW26	MAP	1233 MSL		CA			260.23		
1233 MSL		SWASO		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LNAV: RW26

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT SWASO AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT SPROC

3. FAC: 260.23 FAF: CIXUG DIST FAF TO MAP: 4.57 DIST FAF TO THLD: 4.57

4. MIN ALT: SPROC 3500, CIXUG 2500

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:

6. MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:

7. GP ANGLE: 34:1 IS NOT CLEAR 20:1 IS CLEAR TCH:

8. MSA FROM: RW26 7800

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHINS ON V517 SOUTHBOUND AND ARRIVALS ON V16 EASTBOUND.

**ADDITIONAL FLIGHT DATA:**

HOLD W, LT, 087.33 INBOUND.  
 FAS OBST: 1260 AAO 355834N/0834729W.  
 1340 AAO 355852N/0834616W.  
 CHART VDP AT 1.81 NM TO RW26.  
 CHART CIRCLING ICON.  
 CIXUG TO RW26: 3.35/43.7.

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT B 900-2, CAT C 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LNAV MDA	1520	1	688	1520	1	688	1520	2	688		NA				
CIRCLING	1600	1	767	1720	1 1/4	887	1720	2 3/4	887		NA				



**CHANGES - REASONS**

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO FORM.
2. DELETED FEEDER SEGMENTS FROM NOISE TO JISIT, MALIN TO JISIT AND PITTE TO YEBUB AND ASSOCIATED NOTES - VOR MON, ATC/FPT REQUEST.
3. UPDATED INITIAL SEGMENT FROM JISIT (IAF) TO SPROC (IF) DISTANCE FROM "5.00" TO "6.43" - RELOCATED JISIT 1.43NM NORTH TO COMPLY WITH MINIMUM SEGMENT LENGTH.
4. UPDATED INITIAL SEGMENT FROM YEBUB (IAF) TO SPROC (IF) COURSE/DISTANCE FROM "350.35/5.00" TO "350.25/6.43" - RELOCATED YEBUB 1.43NM SOUTH TO COMPLY WITH MINIMUM SEGMENT LENGTH.
5. UPDATED INTERMEDIATE SEGMENT FROM SPROC (IF) TO CIXUG (FAF) DISTANCE FROM "7.41" TO "7.91" - RELOCATED CIXUG 3,035.27 FEET WEST TO PFAF LOCATION DUE TO CHANGE IN VGSI ANGLE AND TCH.
6. FINAL APPROACH COURSE/DISTANCE CHANGED FROM "260.24/5.07" TO "260.23/4.57" - RELOCATED FAF AND RECALCULATED COURSE/DISTANCE.
7. CHANGED MISSED APPROACH INSTRUCTION FROM "CLIMB TO 4000 DIRECT ZIRNI AND ON TRACK 257 TO SWASO AND HOLD" TO "CLIMB TO 4000 DIRECT SWASO AND HOLD" - IAW 8260.58 PARA 3-5-2 AND 8260.19 PARA 8-6-6 D.
8. ADDED TO LINE 7 20:1 IS CLEAR - IAW 8260.19 PARA 8-6-7 G (3).
9. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19 PARA 8-6-8 B.
10. REMOVED ALL NOTES REFERENCING BACK-UP ALTIMETER SETTING - PRIMARY AWOS ON WMSCR, NOTES ADDED TO 8260-9 FOR CONTINGENCY USE.
11. DELETED CHART NOTE: PROCEDURE NA AT NIGHT - UPDATED OBSTACLE SURVEY, AIRPORT REMOVED OBSTACLES.
12. DELETED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT - PROCEDURE DESIGNED TO MATCH VGSI IAW 8260.19 PARA 8-6-9 M.
13. UPDATED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT WHINS ON V16-185 EASTBOUND" TO "PROCEDURE NA FOR ARRIVALS AT WHINS ON V517 SOUTHBOUND AND ARRIVALS ON V16 EASTBOUND" - IAW 8260.19 PARA 8-2-5 G.
14. UPDATED FAS OBSTACLE FROM "1339 AAO 355855N/0834702W" TO "1260 AAO 355834N/0834729W" - UPDATED MAP STUDY AND OBSTACLE SURVEY.
15. UPDATED 7:1 OBSTACLE FROM "1559 AAO 355837N/0834530W" TO "1340 AAO 355852N/0834616W" - UPDATED MAP STUDY AND RELOCATION OF FAF.
16. UPDATED VDA/TCH FROM "CIXUG TO RW26: 3.04/32" TO "CIXUG TO RW26: 3.35/44" - MATCH VGSI VALUE AND IAW 8260.19 PARA 8-6-10 O AND 8260.3 PARA 2-6-1.
17. UPDATED VDP FROM "VDP AT 2.03NM TO RW26" TO "VDP AT 1.81 NM TO RW26" - LNAV MDA CHANGED FROM 1600 TO 1520 AND TCH CHANGED FROM 32 TO 44.
18. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - IAW 8260.3, SECTION 2-7 PARA 2-7-1 AND 8260.19 PARA 8-6-10 S.
19. UPDATED LNAV MINIMUMS FROM MDA/HAT "1600/767" TO "1520/688" ALL CATS AND CAT B VISIBILITY FROM "1 1/4SM" TO "1SM" AND CAT C FROM "2 1/2SM" TO "2SM" - NEW CONTROLLING OBSTACLE AND TDZE CHANGED FROM 833 TO 832.
20. UPDATED CIRCLING CAT B AND C MINIMUMS FROM MDA/HAA "1740/907" TO "1720/887" - UPDATED OBSTACLE SURVEY.
21. TDZE CHANGED FROM "833" TO "832" - UPDATED AIRPORT SURVEY.
22. UPDATED ALTERNATE MINIMUMS FROM "CAT B 1000-2, CAT C 1000 2 3/4" TO "CAT B 900-2, CAT C 900-2 3/4" - UPDATED VISIBILITY MINIMUMS.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** AMGR, ZTL, TYS APP CON

**FLIGHT CHECKED BY**

CHRISTOPHER R VANDEVEER

*Digitally signed by*

**DONALD H LANIER**

Mar 29, 2022

**OFFICE**

FPO

**DATE**

02/16/2022

**DEVELOPED BY**

FRANK JACKSON JR

*Digitally signed by*

**FRANK JACKSON**

Jan 04, 2022

**OFFICE**

AJV-A431

**DATE**

10/28/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*

**DONALD H LANIER**

Mar 29, 2022

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER

