

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> SYI	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SHELBYVILLE	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 800	<u>TDZE</u> 800	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 06/18/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 APRIL 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 1W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KUXYI	IF/IAF	UZYIM		TF	FB	1.00	012.00	6.13	2400
UZYIM	FAF	WOZXO	MAP	TF	FO	0.30	015.02	4.41	
WOZXO	MAP	1800 MSL		CA			015.02		1800
1800 MSL		KUXYI		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: WOZXO

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 DIRECT KUXYI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S KUXYI, RT, 011.99 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 015.02	FAF: UZYIM		DIST FAF TO MAP: 4.41	DIST FAF TO THLD: 4.90	
4. MIN ALT: KUXYI 3000, UZYIM 2400					
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 CLEAR	20:1: IS CLEAR	TCH:		
8. MSA FROM: WOZXO 3300					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT KUXYI VIA V321 NORTHBOUND

ADDITIONAL FLIGHT DATA:

UZYIM TO RW36: 3.00/45
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.67 DEGREES.
FAS OBST: 1008 AAO 352957N/0862806W.
CHART VDP AT 0.88 NM TO WOZXO.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C, D 1000-3, 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
LNAV MDA	1260	1	460	1260	1	460	1260	1 3/8	460	1260	1 3/8	460			
CIRCLING	1260	1	460	1360	1	560	1780	3	980	1780	3	980			



CHANGES - REASONS

1. TERMINAL ROUTE: KUXYI TO UZYIM RNP CHANGED FROM “0.50” TO “1.00”, COURSE CHANGED FROM “11.99” TO “12.00” AND DISTANCE CHANGED FROM “6.10” TO “6.13” – NEW TARGETS EVALUATION AND CALCULATION IDENTIFIED A NEW FAF LOCATION.
2. TERMINAL ROUTE: UZYIM TO WOZXO COURSE CHANGED FROM “15.01” TO “15.02” AND DISTANCE CHANGED FROM “4.44” TO “4.41” – NEW TARGETS EVALUATION AND CALCULATION IDENTIFIED A NEW FAF LOCATION.
3. TERMINAL ROUTE: REPLACED “WOZXO TO KUGCE” WITH “WOZXO AND 1800 MSL” – PER ATC REQUEST AND NEW MISSED APPROACH DESIGN.
4. TERMINAL ROUTE: ADDED “1800 MSL TO KUXYI” AND ALL ASSOCIATIONS – PER ATC REQUEST AND NEW MISSED APPROACH DESIGN.
5. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 3000 DIRECT KUGCE AND VIA 357.63 TRACK TO IBCUM AND HOLD” TO “CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 DIRECT KUXYI AND HOLD” – PER ATC REQUEST.
6. PROFILE LINE 3: FAC CHANGED FROM “015.01” TO “015.02” – NEW TARGETS EVALUATION.
7. PROFILE LINE 3: DIST FAF TO MAP CHANGED FROM “4.44” TO “4.41” AND DIST FAF TO THLD FROM “4.92” TO “4.90” – NEW TARGETS CALCULATION AND CHANGE OF GPA FROM 2.99 TO 3.00.
8. PROFILE LINE 8: MSA CHANGED FROM “WOZXO 3400” TO “WOZXO 3300” – NEW TARGETS EVALUATION IDENTIFIED A NEW CONTROLLING OBSTACLE.
9. PBN REQUIREMENTS NOTE: ADDED “RNP APCH - GPS” – TO BRING FORMS UP TO CURRENT CRITERIA.
10. NOTES: DELETED “CHART NOTE: DME/DME RNP 0.3 NA” – NO LONGER REQUIRED BY CRITERIA.
11. NOTES: UPDATED “CHART PROFILE NOTE: VSGI AND DESCENT ANGLES NOT COINCIDENT” TO “CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH (FEET))” – TO BRING FORMS UP TO CURRENT CRITERIA.
12. NOTES: BACKUP ALTIMETER NOTES MOVED TO THE 8260-9 GENERAL REMARKS FOR CONTINGENCY PURPOSES AND UPDATED BACKUP ALTIMETER NOTE FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TULLAHOMA ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE” TO “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE THA ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM” AND UPDATED CHART NOTE "VDP NA WHEN USING TULLAHOMA ALTIMETER SETTING" TO "VDP NA WHEN USING THA ALTIMETER SETTING" – NEW TARGETS EVALUATION/FPT REQUEST.
13. ADDITIONAL FLIGHT DATA: ADDED “CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFEST 14.67 DEGREES” – IAW 8260.19J PARA 8-6-11.G.
14. ADDITIONAL FLIGHT DATA: CHANGED “UZYIM TO RW36: 2.99/45” TO “UZYIM TO RW36: 3.00/45” – PER FPT REQUEST.
15. ADDITIONAL FLIGHT DATA: DELETED “HOLD N, RT, 180.36 INBOUND” – NEW MAP CLEARANCE LIMIT IDENTIFIED AND HOLDING ALREADY CHARTED.
16. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 1239 TREE 353046N/0862520W” TO “FAS OBST: 1008 AA0 352957N/0862806W” – NEW TARGETS EVALUATION.
17. ADDITIONAL FLIGHT DATA: ADDED “CHART 1027 AAO 352957N/0862806W” – IAW 8260.19J PARA 8-6-11.E.
18. ADDITIONAL FLIGHT DATA: CHANGED “CHART VDP AT 0.92 NM TO WOZXO” TO “CHART VDP AT 0.88 NM TO WOZXO” – NEW TARGETS EVALUATION.
19. MINIMUMS: LNAV ALL CATS HAT CHANGED FROM “459” TO “460” – NEW SURVEY DATA.
20. MINIMUMS: LNAV CAT C VISIBILITY INCREASED FROM “1 1/4” TO “1 3/8” AND CAT D VISIBILITY FROM "1 1/2" TO "1 3/8" – IAW 8260.3E TABLE 3-3-1.
21. MINIMUMS: CIRCLING HAA ALL CATS INCREASED BY “1 FT”- NEW SURVEY DATA AND AIRFIELD ELEVATION.
22. MINIMUMS: CIRCLING CAT B CMDA/HAA CHANGED FROM "1420/619" TO "1360/560" - NEW TARGETS EVALUATION.

COORDINATED WITH:

A4A

ALPA

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AOPA

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APA

HAI

NBAA

☒

OTHER: ZME, AMGR

FLIGHT CHECKED BY

GEORGE E SEARLES

Digitally signed by

CASIMIR L TABAKA

Jan 21, 2025

OFFICE

AJF

DATE

01/16/2025

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AJV-A431

DATE

08/09/2024

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Jan 21, 2025

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TITLE

MANAGER

