

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> 12G	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> SHELBY	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 1120	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 6W <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
RACON	IF/IAF	SODRR		TF	FB	1.00	279.13	5.20	2600
SODRR	FAF	TIDPE	MAP	TF	FO	0.30	279.05	4.80	
TIDPE	MAP	1520 MSL		CA			279.05		
1520 MSL		ZISKI		DF	FO	1.00			3000

MISSED APPROACH

MAP:
TIDPE

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ZISKI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD E RACON, RT, 279.13 INBOUND, 2900 IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 279.05	FAF: SODRR		DIST FAF TO MAP: 4.80	DIST FAF TO THLD:	
4. MIN ALT: RACON 2900, SODRR 2600					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6. MIN GP INCPT:	GP ALT AT FAF:		TCH:	OM:	MM: IM:
7. GP ANGLE:	34:1:	20:1:			
8. MSA FROM: 12G 3000					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 18 AND 36 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: CIRCLING NA TO RWYS 3 AND 21.
CHART NOTE: USE MFD ALTIMETER.

ADDITIONAL FLIGHT DATA:

CHART MFD ASOS-3.
HOLD W, RT, 098.98 INBOUND.

MINIMUMS:

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

ALTERNATE: NA ☒

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
CIRCLING	1680	1	560	1700	1	580	1840	2	720		NA				

CHANGES - REASONS

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB, CLE APP CON, AMGR

FLIGHT CHECKED BY

OFFICE DATE

DEVELOPED BY
ROBERT G HAMILTON (JILL M. SUPPES)

OFFICE
AJV-A433
DATE
04/10/2025

APPROVED BY
ROBERT G HAMILTON

OFFICE
AJV-A433
DATE
TITLE
MANAGER



FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
12G	RNAV (GPS)-A	ORIG	SHELBY	OH	1120	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM RACON (IF/IAF) TO SODRR

RNP 1.00 DISTANCE 5.20 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	405145.00N/0823548.00W	1428	215	8	4B	500				AT672	2600
TERRAIN	405000.00N/0823209.00W	1266 (1300)								AS1000	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM SODRR TO TIDPE

RNP 0.30 DISTANCE 4.80 PAT MAP TIDPE HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	405127.00N/0823630.00W	1382	215	8	4B	250				RA45	1680

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

RACON

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
		P-5									
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-000549)	405006.00N/0822103.00W	1725	250	50	4D	1000					2800
TERRAIN	404854.00N/0822851.00W	1351 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

TIDPE

TO

ZISKI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1535
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
AAO	405239.00N/0824603.00W	1365	215	8	4B	1000					2400
TERRAIN	405236.00N/0824606.00W	1164 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

12G

PROCEDURE NAME

RNAV (GPS)-A

AMDT NO.

ORIG

CITY

SHELBY

STATE

OH

AIRPORT ELEVATION

1120

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	405051.00N/0824109.00W	1.30	560	1242	215	8	4B	300		SI/RA45	1680
CATEGORY B											
AAO	405036.00N/0824045.00W	1.84	580	1349	215	8	4B	300		RA45	1700
CATEGORY C											
TOWER (39-003141)	405046.00N/0823922.00W	2.90	720	1430	250	50	4D	300		RA45 AC50	1840

CIRCLING REMARKS:

MSA

CENTER

12G

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (39-138307)	403458.60N/0822824.80W	155	20.2	1961	250	50	4D	1000			3000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

MFD APP CON, ZOB ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	MFD	24	MFD	8.79	Y	45
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	MNN	24	MNN	22.85	Y	72

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
12G 1120, MFD 1297
RA = 45.0.

RASS PRESSURE PATTERNS THE SAME
12G 1120, MNN 986
RA = 71.5.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW21			
RW03			
RW18 - LIRLNSTD		BSC-G	
RW36 - LIRLNSTD		BSC-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
<u>FINAL APPROACH COURSE AIMING</u>						
RUNWAY THRESHOLD	<input type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE			
ON CENTERLINE	<input type="checkbox"/>	FT FROM CENTERLINE				

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

AIRPORT RUNWAYS HAVE NO SURVEY, 20:1 PENETRATIONS ARE ASSUMED TO EXIST.

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - NO RUNWAY SURVEY; OBSTACLES ASSUMED TO PENETRATE THE 20:1 SURFACE.

MAXIMUM VEGETATION HEIGHT: 100 FT.

FAC AIMING AT ARP (405222.30N/0824150.60W).

FOR CONTINGENCY PURPOSES:

1. USE MFD ALTIMETER SETTING; WHEN NOT RECEIVED, USE MNN ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND VISIBILITY CAT C 1/4 SM.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1428 AAO 405145N/0823548W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	MAP	TO 1000FT POINT	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	273.05
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1200
DISTANCE FROM	MAP	TO 1500FT POINT	9.80
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	273.13
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)	
ARP COORDINATES	405222.30N/0824150.60W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.32 NM
FAF COORDINATES	405207.00N/0823528.44W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ROBERT G HAMILTON (JILL M. SUPPES)	AJV-A433	04/10/2025	AERONAUTICAL INFORMATION SPECIALIST