

**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> ILN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22R	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WILMINGTON	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 1077	<u>TDZE</u> 1077	<u>SUPERSEDED</u> RNAV (GPS) RWY 22R	<u>DATED</u> 08/12/2021	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 7W <u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 134/30 CW 314/30	NOPT	WIZRD	IF/IAF	3000
2. 314/30 CW 044/30		ODORY	IAF	3000
3. 044/30 CW 134/30		AKOVY	IAF	3100

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>
ODORY	IAF	WIZRD	NOPT	TF	FB	1.00	314.48	7.00	3000
AKOVY	IAF	WIZRD	NOPT	TF	FB	1.00	134.33	7.00	3000
WIZRD	IF/IAF	MURGE		TF	FB	1.00	224.40	5.96	2400
MURGE	FAF	RW22R	MAP	TF	FO	0.30	224.35	3.98	
RW22R	MAP	1500 MSL		CA			224.35		1500
1500 MSL		TIGRR		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN RIGHT TURN 3000 DIRECT TIGRR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NE WIZRD, RT, 224.40 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	224.35	FAF:	MURGE	DIST FAF TO MAP:	3.98	DIST FAF TO THLD:	3.98							
4.	MIN ALT:	WIZRD 3000, MURGE 2400													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.46	GS ANT:				
6.	MIN GP INCPT:	2400	GP ALT AT PFAF:	MURGE 2400					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	54.9							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

CHART BUCKEYE MOA.
CHART BRUSH CREEK MOA.
HOLD W, LT, 093.00 INBOUND.
FAS OBST: 1270 AAO 393027N/0834521W.
CHART VDP AT 1.17 NM TO RW22R.
WAAS CHANNEL # 40214
REFERENCE PATH ID: W22A
CHART CIRCLING ICON.
LTP HAE: 295.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, 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	1277	1800	200	1277	1800	200	1277	1800	200	1277	1800	200			
LNAV/VNAV DA	1393	2400	316	1393	2400	316	1393	2400	316	1393	2400	316			
LNAV MDA	1520	2400	443	1520	2400	443	1520	4500	443	1520	4500	443			
CIRCLING	1560	1	483	1560	1	483	1860	2 1/4	783	1860	2 1/2	783			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED MAGNETIC COURSE FROM AKOVY TO WIZRD FROM 134.35 TO 134.33 – AKOVY MOVED 2.00 NM NW.
2. TERMINAL ROUTES: UPDATED DISTANCE FROM AKOVY TO WIZRD FROM 5.00 NM TO 7.00 NM - AKOVY MOVED 2.00 NM NW.
3. TERMINAL ROUTES: CHANGED MAGNETIC COURSE FROM ODORY TO WIZRD FROM 314.45 TO 314.48 – ODORY MOVED 2.00 NM SE.
4. TERMINAL ROUTES: UPDATED DISTANCE FROM ODORY TO WIZRD FROM 5.00 NM TO 7.00 NM - ODORY MOVED 2.00 NM SE.
5. TERMINAL ROUTES: UPDATED DISTANCE FROM WIZRD TO MURGE FROM 6.00 NM TO 5.96 NM - MURGE MOVED 264 FEET NNE.
6. TERMINAL ROUTES: UPDATED DISTANCE FROM MURGE TO RW22R FROM 3.94 NM TO 3.98 NM - MURGE MOVED 264 FEET NNE.
7. TERMINAL ROUTES: UPDATED CA LEG FROM “RW22R TO 1277 MSL” TO “RW22R TO 1500 MSL” – CLIMB TO ALTITUDE ADDED TO MISSED APPROACH PER FPT INSTRUCTIONS.
8. TERMINAL ROUTES: REMOVED WP LYMEE – MISSED APPROACH REDESIGN.
9. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 3000 DIRECT LYMEE AND RIGHT TURN ON TRACK 322.96 DIRECT TIGRR AND HOLD” TO “CLIMB TO 1500 THEN RIGHT TURN 3000 DIRECT TIGRR AND HOLD” – MISSED APPROACH REDESIGN.
10. PROFILE LINE 3: CHANGED “DIST FAF TO MAP: 3.94” TO “DIST FAF TO MAP: 3.98” – UPDATED MURGE LOCATION.
11. PROFILE LINE 3: CHANGED “DIST FAF TO THLD: 3.94” TO “DIST FAF TO THLD: 3.98” – UPDATED MURGE LOCATION.
12. CHART NOTES: CHANGED “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C” – UPDATED HISTORICAL TEMPERATURE VALUES.
13. CHART NOTES: CHANGED “FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, LNAV CATS A/B TO RVR 5500, AND LNAV CATS C/D TO 1 3/8 SM” TO “FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500” – IAW 8260.3E.1 TABLE 3-3-1.
14. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBSTACLE FROM “1279 AAO 392948N/0834506W” TO “1270 AAO 393027N/0834521W” – UPDATED OBSTACLE EVALUATION.
15. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP FROM “CHART VDP AT 1.23 NM TO RW22R” TO “CHART VDP AT 1.17 NM TO RW22R” – LOWERED LNAV MDA RESULTED IN VDP CHANGE IAW 8260-3E.1 FORMULA 2-6-5 CALCULATOR.
16. MINIMUMS: DECREASED LNAV/VNAV CAT A-D DA/HAT FROM 1497/420 TO 1393/316 – UPDATED OBSTACLE EVALUATION.
17. MINIMUMS: DECREASED LNAV CAT A-D MDA/HAT FROM 1540/463 TO 1520/443 – UPDATED OBSTACLE EVALUATION.
18. MINIMUMS: DECREASED LNAV CAT C AND D VISIBILITY FROM RVR 5000 TO RVR 4500 – IAW 8260-3E.1 TABLE 3-3-1.
19. MINIMUMS: INCREASED CIRCLING CAT A AND B MDA/HAA FROM 1540/463 TO 1560/483 - UPDATED OBSTACLE EVALUATION AND CLEARS FDC NOTAM 2/7043.
20. FAS DATA BLOCK INFORMATION: CHANGED FPAP LATITUDE/LONGITUDE FROM “392508.6900N/ 0834834.3600W” TO “392509.6785N/ 0834833.3960W” AND CRC REMAINDER CHANGED FROM “8F71DE43” TO “A55745A2” – CURRENT AIRNAV DATA AND CALCULATIONS.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: DAY APP CON, ILN ATCT, AMGR.

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

RAKE MCGRAW

Feb 09, 2024

OFFICE

FPO

DATE

01/22/2024

DEVELOPED BY

DAVID DANNER (RONALD K. STROBACH)

Digitally signed by

RAKE MCGRAW

Feb 09, 2024

OFFICE

AJV-A421

DATE

09/29/2023

APPROVED BY

DAVID DANNER

Digitally signed by

RAKE MCGRAW

Feb 09, 2024

OFFICE

AJV-A421

DATE

03/21/2024

TITLE

MANAGER

QUALITY
35
CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KILN
RUNWAY	RW22R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	392633.7950N
LTP/FTP LONGITUDE	0834710.7290W
LTP/FTP ELLIPSOIDAL HEIGHT	+02954
FPAP LATITUDE	392509.6785N
FPAP LONGITUDE	0834833.3960W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A55745A2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03282
FPAP ORTHOMETRIC HEIGHT	+03282

