

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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> KFDY	<u>PROCEDURE NAME</u> VOR RWY 7	<u>ORIGINAL/AMENDMENT</u> 12B	<u>CITY</u> FINDLAY	<u>STATE</u> OH	
<u>AIRPORT ELEVATION</u> 813	<u>TDZE</u> 810	<u>SUPERSEDED</u> VOR RWY 7	<u>ORIGINAL/AMENDMENT</u> 12A	<u>DATED</u> 11/18/2010	<u>MAG VAR</u> 2W
<u>FACILITY</u> FBC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1965

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>

MISSED APPROACH

MAP:

4.83 NM AFTER FBC VORTAC OR AT FBC 4.83 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN RIGHT TURN DIRECT FBC VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT R SIDE OF COURSE 227.55 OUTBOUND 2500 FT WITHIN 10 MILES OF FBC VORTAC (IAF)

2.

3. FAC: 047.55 FAF: FBC VORTAC DIST FAF TO MAP: 4.83 DIST FAF TO THLD: 4.83

4. MIN ALT: FBC VORTAC 2400

8. MSA FROM: FBC VORTAC 360-180 2600, 180-360 3000

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LIMA ALLEN COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE S-07 VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

CHART NOTE: STRAIGHT-IN RWY 7 NA AT NIGHT, CIRCLING RWY 7 NA AT NIGHT.



ADDITIONAL FLIGHT DATA:

FBC VORTAC TO RW07: 3.05/39
1025 AAO 405705.00N/0834450.00W
HOLD SW, LT, 048.00 INBOUND.
CHART FAS OBST: 1000 ELEVATOR (39-030657) 410023N/0834234W.
CHART CIRCLING ICON.

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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
S-7	1260	1	450	1260	1	450	1260	1 1/4	450	1260	1 1/2	450			
CIRCLING	1440	1	627	1440	1	627	1440	1 3/4	627	1540	2 1/4	727			

CHANGES - REASONS

1. FINAL OBST UPDATED TO NEW ID#, AC AND MSL ALT. NO UPDATE REQUIRED TO VOR S-7 MINIMUMS.
2. CIRCLING OBST UPDATED FOR ALL CATS TO MEET CURRENT CIRCLING CRITERIA IAW 8260.3 CH 2.
3. CIRCLING CAT D MSA/HAA UPDATED FROM 1440/627 TO 1540/727 DUE TO NEW OBST FOUND IN CAT D AREA.
4. CIRCLING CAT D VIS UPDATED FROM 2 TO 2 1/4 DUE TO NEW OBST FOUND IN CAT D AREA.
5. CIRCLING RADIIS UPDATED TO MEET 8260.3 NEW CIRCLING CRITERIA.
6. MSA SECTOR 360-180 RAISED FROM 2500 TO 2600, DUE TO NEW OBSTRUCTION FOUND DURING 28 DAY REVIEW PROCESS.
7. HAT UPDATED FROM 451 TO 450- TDZE UPDATED FROM 809 TO 810.
8. 20:1 AND 34:1 OBST ADDED TO PENETRATIONS IAW 8260.19I.
9. HELICOPTER VISIBILITY REDUCTION NOTE UPDATED TO CURRENT 8260.19 CH 8 VERBIAGE.
10. ALTERNATE MINIMUMS NOTE UPDATED FROM STANDARD, NA WHEN WEATHER NOT AVAILABLE TO STANDARD - CAT D 800-2 1/4, NA WHEN WEATHER NOT AVAILABLE DUE TO VISIBILITY RAISE IN CIRCLING CAT D OF 2 1/4.
11. UPDATED ALTERNATE ALTIMETER NOTE FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LIMA ALLEN COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE S-07 AND CIRCLING CATS C/D VISIBILITY 1/4 MILE TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LIMA ALLEN COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE S-07 VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
12. ADDED CHART NOTE: STRAIGHT-IN RWY 7 NA AT NIGHT, CIRCLING RWY 7 NA AT NIGHT- 20:1 PENETRATIONS

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB, TOL APP CON, AIRPORT MANAGER

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

RALPH P. MILLER

Digitally signed by

PHILLIP MILLER

Mar 02, 2022

Digitally signed by

JASON KRETSCHMER

Apr 04, 2022

OFFICE

Digitally signed by

JASON KRETSCHMER

Apr 04, 2022

OFFICE

AJV-A421

DATE

DATE

10/14/2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER



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

<u>AIRPORT ID</u> KFDY	<u>PROCEDURE NAME</u> VOR RWY 7	<u>AMDT NO.</u> 12B	<u>CITY</u> FINDLAY	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 813	<u>FACILITY</u> FBC
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE: PT

FROM
10 NM

TO
FBC VORTAC

<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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>
1.AAO	404824.00N/0835151.00W		1172	164	98	4E	500				AC98 DG630	2400
2.TERRAIN	404824.00N/0835151.00W		972 (1000)								AS1000	2000

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL

FROM
FBC VORTAC

TO
4.83 NM AFTER FBC VORTAC OR AT FBC 4.83 DME

<u>RNP</u>	<u>DISTANCE</u> 4.83	<u>PAT</u>	<u>MAP</u> 4.83 NM AFTER FBC VORTAC OR AT FBC 4.83 DME	<u>HAT</u> 450	<u>HMAS</u>							
<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>
ELEVATOR (39-030657)	410022.80N/0834233.96W		1000	20	3	1A	250					1260

COMPUTATIONS

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

SEGMENT REMARKS:



PROCEDURE TURN

FROM
FBC VORTAC

TO
10 NM

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.TOWER (39-001607)	405721.00N/0835442.00W		1272	500	50	5D	1000				AT228	2500
5.TERRAIN	404418.00N/0835254.00W		1021 (1000)								AS1500	2500

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

MISSED APPROACH

FROM
4.83 NM AFTER FBC VORTAC OR AT FBC 4.83 DME

TO
FBC VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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				2500
6.TOWER (39-001446)	405500.00N/0833545.00W		1310	500	50	5D	1000					2400
7.TERRAIN	405221.00N/0834205.00W		896 (900)								AS1500	2400

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



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											
8.BUILDING (39-001027)	410209.00N/0833859.00W	1.30	627	994	500	50	5D	300		AC50 XP80	1440
CATEGORY B											
9.TOWER (39-000072)	410031.00N/0833807.00W	1.83	627	1072	250	50	4D	300		AC50	1440
CATEGORY C											
10.TOWER (39-004246)	405858.16N/0833712.03W	2.88	627	1139	20	3	1A	300			1440
CATEGORY D											
11.TOWER (39-020159)	410410.00N/0833738.00W	3.77	727	1234	50	10	2B	300			1540

CIRCLING REMARKS:

XP=MATCH CURRENT MINS

MSA

CENTER
FBC VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-180	WINDMILL (39-102854)	403253.67N/0834519.37W	181	24.4	1591	250	50	4D	1000			2600
180-360	TWR (39-001272)	403803.00N/0841229.00W	229	28.2	1983	500	50	5D	1000			3000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
TOL APP CON, ZOB ARTCC, CLE FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KFDY	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KFDY	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KAOH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KAOH	<u>DISTANCE</u> 24.49	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 80

WX REMARKS:
RASS PRESSURE PATTERNS SAME
KFDY 812.7, KAOH 975.3 RA=79.01

<u>PRIMARY NAVAID</u> FBC VORTAC	<u>MONITOR POINT</u> CLE FSS	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW7 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW18 - HIRL (PCL), PAPI-4L	NPI-G	
RW25 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW36 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-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> 3.00	<u>TCH</u> 23.6
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	324
ON CENTERLINE	☒	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

Final Type	VOR
20:1	
864 TREE (39-051725) 410027.54N/0834102.12W (29.98)	
Final Type	VOR
34:1	
864 TREE (39-051725) 410027.54N/0834102.12W (29.98)	856 TREE (39-065892) 410026.60N/0834102.62W (19.91)
807 TRAVERSE_WAY (39-051679) 410041.72N/0834054.46W (4.43)	

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 NA: 20:1 PENETRATION

ORDER 8260.3 CHAPTER 2 APPLIED TO 1025 AAO 405705.00N/0834450.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KFDY	<u>PROCEDURE NAME</u> VOR RWY 7	<u>AMDT NO.</u> 12B	<u>CITY</u> FINDLAY	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 813	<u>FACILITY</u> FBC
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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	THLD	TO 1000FT POINT	2.83
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.68
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	045.55
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	837
DISTANCE FROM	THLD	TO 1500FT POINT	4.63
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.50
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	045.55
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	837

THRESHOLD
COORDINATES
(IF STR-IN)

410042.24N/0834048.32W

ARP COORDINATES

410043.30N/0834007.00W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 36 DISTANCE 0.67 NM

FAF
COORDINATES

405719.20N/0834521.69W

FIX NAME
COORDINATES

REMARKS

THLD DISPLACED 324FT, ACTUAL COORDINATES: 410041.08N/0834052.26W.

QUALITY
16
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> RALPH P. MILLER	<u>OFFICE</u> AJV-A421	<u>DATE</u> 10/14/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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