

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> EOP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> WAVERLY	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 661	<u>TDZE</u> 661	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 09/05/2024
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 6W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SHIRT		FIMOJ		TF	FB	1.00	154.52	31.77	3000
FIMOJ	IAF	TUKIW		TF	FB	1.00	157.89	7.00	3000
GIJWE	IAF	TUKIW		TF	FB	1.00	338.07	7.00	3000
TUKIW	IF	UBDOW		TF	FB	1.00	067.97	7.05	2300
UBDOW	FAF	WETBI/1.96 NM TO RW07		TF	FB	0.30	068.05	2.04	
WETBI/1.96 NM TO RW07		RW07	MAP	TF	FO	0.30	068.05	1.96	
RW07	MAP	1020 MSL		CA			068.05		
1020 MSL		IGMIY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW07
LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT IGMIY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
2. PROFILE STARTS AT TUKIW
3. FAC: 068.05
- FAF: UBDOW
- DIST FAF TO MAP: 4.00
- DIST FAF TO THLD: 4.00
4. MIN ALT: TUKIW 3000, UBDOW 2300, WETBI/1.96 NM TO RW07 1480
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
6. MIN GP INCPT: GP ALT AT FAF:
7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
8. MSA FROM: RW07 3100

QUALITY
8
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHIRT ON V5 NORTHEAST BOUND.
CHART NOTE: STRAIGHT-IN RWY 7 NA AT NIGHT, CIRCLING RWY 7 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PMH ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND LP VISIBILITY CAT C 1/8 SM, AND CIRCLING ALL VISIBILITIES 1/4 SM.

ADDITIONAL FLIGHT DATA:

UBDOW TO RW07: 3.77/40.
HOLD E, LT, 248.24 INBOUND.
CHART FAS OBST: 957 TREE 390948N/0825754W, 769 TREE (39-046547) 390931N/0825639W.
CHART BRUSH CREEK MOA.
CHART BUCKEYE MOA.
WAAS CHANNEL # 56437
REFERENCE PATH ID: W07A
CHART CIRCLING ICON.
LTP HAE: 167.1 M

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
LP MDA	1020	1	359	1020	1	359	1020	1	359		NA				
LNAV MDA	1220	1	559	1220	1	559	1220	1 5/8	559		NA				
CIRCLING	1440	1	779	1460	1	799	1500	2 1/2	839		NA				



CHANGES - REASONS

1. TERMINAL ROUTE TUKIW TO UBDOW DISTANCE CHANGED FROM 6.73 TO 7.05. - FAF MOVED AS PART OF A REDESIGN TO MITIGATE VISUAL SEGMENT OBSTACLES.
2. TERMINAL ROUTE UBDOW TO WETBI/2.11 NM TO RW07 CHANGED TO WETBI/1.96 NM TO RW07 DIST 2.21 NM TO 2.04 NM. - FAF/SDF MOVED AS PART OF A REDESIGN TO MITIGATE VISUAL SEGMENT OBSTACLES.
3. TERMINAL ROUTE WETBI/2.11 NM TO RW07 CHANGED TO WETBI/1.96 NM TO RW07 DIST 2.11 TO 1.96. - FAF/SDF MOVED AS PART OF A REDESIGN TO MITIGATE VISUAL SEGMENT OBSTACLES.
4. PROFILE: LINE THREE DIST FAF TO MAP/ DIST FAF TO THLD CHANGED FROM 4.32 TO 4.00. - FAF MOVED AS PART OF A REDESIGN TO MITIGATE VISUAL SEGMENT OBSTACLES.
5. PROFILE: LINE FOUR MIN ALT: CHANGED WETB/2.11 NM TO RW07 1480 TO WETBI/1.96 TO RW07 1480. - SDF MOVED TO REALIGN WITH FAF TO MITIGATE VISUAL SEGMENT OBSTACLES.
6. ADDITIONAL FLIGHT DATA: REMOVED CHART PROFILE NOTE: VISUAL SEGMENT OBSTACLES. - FINAL REDESIGN TO MITIGATE VISUAL SEGMENT OBSTACLES.
7. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM "959 TREE (39-049194) 390948N/0825754W" TO "957 TREE 390948N/0825754W" - NEW MDA/NEW OBSTACLE.
8. ADDITIONAL FLIGHT DATA: ADDED UBDOW TO RW07: 3.77/40. - 8260.19J COMPLIANCE.
9. NOTE: UPDATED ALTIMETER CONTINGENCY NOTE FROM: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PMH ALTIMETER SETTING. TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PMH ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND LP VISIBILITY CAT C 1/8 SM, AND CIRCLING ALL VISIBILITIES 1/4 SM. - LOCAL WEATHER SOURCE ADDED.
10. MINIMUMS: UPDATED LP CAT A/B MDA/HAT 1080/419 AND CAT C/D MDA/VIS/HAT 1080/11/8/419 TO CAT A/B 1020/359 AND CAT C 1020/1/359. - LOCAL WEATHER SOURCE ADDED/CAT D MINIMUMS REMOVED WITH NEW VDA TO MITIGATE VISUAL SEGMENT OBSTACLES.
11. MINIMUMS: UPDATED LNAV CAT A/B MDA/HAT 1340/679 AND CAT C/D MDA/VIS/HAT 1340/17/8/679 TO CAT A/B 1220/559 AND CAT C 1220/15/8/559. - LOCAL WEATHER SOURCE ADDED/CAT D MINIMUMS REMOVED WITH NEW VDA TO MITIGATE VISUAL SEGMENT OBSTACLES.
12. MINIMUMS: UPDATED CIRCLING CAT A/B MDA/VIS/HAA 1500/11/4/839, CAT C MDA/VIS/HAA 1580/23/4/919 AND CAT D MDA/HAA 1700/1039 TO CAT A 1440/1/779, CAT B 1460/1/799, CAT C 1500/21/2/839. - LOCAL WEATHER SOURCE ADDED/CAT D MINIMUMS REMOVED WITH NEW VDA TO MITIGATE VISUAL SEGMENT OBSTACLES.
13. FAS DATA THRESHOLD CROSSING HEIGHT CHANGED FROM 0.0 TO 00040.0. - REDESIGN FINAL TO MITIGATE VISUAL SEGMENT OBSTACLES.
14. FAS DATA: GLIDE PATH ANGLE CHANGED FROM 0.0 TO 03.77. - REDESIGN FINAL TO MITIGATE VISUAL SEGMENT OBSTACLES.
15. FAS DATA: CRC REMAINDER CHANGED FROM 59A44E76 TO F4B692A6. - NEW VDA AND TCH.
16. TERMINAL ROUTE RW07 TO 1061 MSL CHANGED TO RW07 TO 1020 MSL. - LOWER LP MINIMUMS.
17. TERMINAL ROUTE 1061 MSL TO IGMİY CHANGED TO 1020 TO IGMİY. - LOWER LP MINIMUMS.

COORDINATED WITH:

A4A☐

ALPA☒

AOPA☒

APA☐

HAI☐

NBAA☒

OTHER: ZID, DAY FSS, AMGR

FLIGHT CHECKED BY

WILLIAM M YINGLING

Digitally signed by

CASIMIR L TABAKA

Apr 30, 2025

OFFICE

AJF

DATE

04/22/2025

DEVELOPED BY

JOHN KEEFER

Digitally signed by

JOHN A KEEFER

Feb 21, 2025

OFFICE

AJV-A432

DATE

10/22/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Apr 30, 2025

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEOP
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	390949.7625N
LTP/FTP LONGITUDE	0825609.4655W
LTP/FTP ELLIPSOIDAL HEIGHT	+01671
FPAP LATITUDE	391031.4860N
FPAP LONGITUDE	0825428.2110W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.77
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	F4B692A6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02007
FPAP ORTHOMETRIC HEIGHT	+02007

