

**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> KEOP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 1B	<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SUPERSEDED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> 1A	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
SHIRT		FIMOJ		TF	FB	1.00	154.59	32.47	3000
YRK VORTAC		GIJWE		TF	FB	1.00	352.66	20.97	3300
FIMOJ	IAF	TUKIW		TF	FB	1.00	157.90	6.30	3000
GIJWE	IAF	TUKIW		TF	FB	1.00	338.06	6.30	3000
TUKIW	IF	UBDOW		TF	FB	1.00	067.97	6.01	2300
UBDOW	FAF	WETBI/2.50 NM TO RW07		TF	FB	0.30	068.04	2.54	
WETBI/2.50 NM TO RW07		RW07	MAP	TF	FO	0.30	068.04	2.50	
RW07	MAP	1061 MSL		CA			068.04		
1061 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: 068.04 FAF: UBDOW DIST FAF TO MAP: 5.04 DIST FAF TO THLD: 5.04

4. MIN ALT: TUKIW 3000, UBDOW 2300, WETBI/2.50 NM TO RW07 1480

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:

6. MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:

7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:

8. MSA FROM: RW07 3100

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 YRK VORTAC ON AIRWAY RADIALS 276 CW 062.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHIRT ON V5 NORTHEAST BOUND.
CHART NOTE: USE GREATER PORTSMOUTH RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROSS COUNTY ALTIMETER SETTING.
CHART NOTE: STRAIGHT-IN RWY 7 NA AT NIGHT, CIRCLING RWY 7 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART GREATER PORTSMOUTH RGNL AWOS.
CHART FAS OBST: 985 TOWER (39-004353) 390849N/0825901W, 769 (39-046547) TREE 390931N/0825639W.
HOLD E, LT, 248.24 INBOUND.
CHART 985 TOWER 390849N/0825901W.
CHART BRUSH CREEK MOA.
CHART BUCKEYE MOA.
WAAS CHANNEL # 56437
REFERENCE PATH ID: W07A
CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
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	1080	1	419	1080	1	419	1080	1 1/8	419	1080	1 1/8	419			
LNAV MDA	1340	1	679	1340	1	679	1340	1 7/8	679	1340	1 7/8	679			
CIRCLING	1500	1 1/4	839	1520	1 1/4	859	1580	2 3/4	919	1700	3	1039			



CHANGES - REASONS

1. INCORPORATED P-NOTAM AMDT 1A IAW 8260.19I 8-3-4 C.2.
2. LP MDA/HAT INCREASED FROM 1020/359 TO 1080/419; CAT C/D VISIBILITY INCREASED FROM 1 TO 1 1/8. - LOCAL AWOS DECOMMISSIONED, REMOTE ALTIMETER IN USE REQUIRES ADJUSTMENT.
3. LNAV MDA/HAT INCREASED FROM 1300/639 TO 1340/679; CAT C/D VISIBILITY INCREASED FROM 1 3/4 TO 1 7/8. - LOCAL AWOS DECOMMISSIONED, REMOTE ALTIMETER IN USE REQUIRES ADJUSTMENT.
4. CIRCLING CAT A MDA/HAA INCREASED FROM 1440/779 TO 1500/839, CAT B MDA/HAA INCREASED FROM 1460/799 TO 1520/859, CAT C MDA/HAA INCREASED FROM 1520/859 TO 1580/919, CAT D MDA/HAA INCREASED FROM 1640/979 TO 1700/1039; CAT A/B VISIBILITY INCREASED FROM 1 TO 1 1/4, AND CAT C VISIBILITY FROM 2 1/2 TO 2 3/4. - LOCAL AWOS DECOMMISSIONED, REMOTE ALTIMETER IN USE REQUIRES ADJUSTMENT.
5. TERMINAL ROUTES: MISSED APPROACH CA LEG ALTITUDE FROM 1020 MSL TO 1061 MSL. . - IAW 8260.58A 3-5-2B.
6. TERMINAL ROUTES: MISSED APPROACH DF LEG RNP 1.00 ADDED. - IAW 8260.58A TABLE 1-2-1.
7. PROFILE LINE 7: 20:1 IS NOT CLEAR ADDED. - 20:1 PENETRATIONS PRESENT.
8. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58A TABLE 1-2-1.
9. UPDATED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 7 HELICOPTER VISIBILITY REDUCTION 1 SM NOT AUTHORIZED. - IAW 8260.19H 8-6-11 K.3.
10. REMOVED CHART NOTE: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHILlicoTHE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LP AND LNAV VISIBILITY CAT C/D AND CIRCLING CAT A/B/C 1/4 MILE." ADDED "USE GREATER PORTSMOUTH RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROSS COUNTY ALTIMETER SETTING." - IAW 8260.19I 8-6-9 F(6); LOCAL AWOS DECOMMISSIONED, REMOTE ALTIMETER IN USE.
11. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT. ADDED CHART NOTE: STRAIGHT-IN RWY 7 NA AT NIGHT, CIRCLING RWY 7 NA AT NIGHT. - NO 20:1 PENETRATIONS EXIST ON RWY 25.
12. ADDED ADDITIONAL FLIGHT DATA: CHART GREATER PORTSMOUTH RGNL AWOS. - IAW 8260.19I 8-2-4 B.3.
13. UPDATED FAS DATA: FPAP LATITUDE AND LONGITUDE FROM 391031.4815N/0825428.2080W TO 391031.4860N/0825428.2110W. - NEW FPAP LOCATION.
14. UPDATED FAS DATA: CRC REMAINDER FROM CC3C3902 TO 59A44E76. - FPAP LATITUDE/LONGITUDE UPDATED.
15. ADDED OBSTACLE ID TO CHART FAS OBSTACLE NOTE. - 8260.19I, 8-6-10C.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZID, DAY ATCT, AMGR

Digitally signed by

FLIGHT CHECKED BY **LONNIE EVERHART**
JAMES ONIEAL Jun 22, 2021

OFFICE

FICO

DATE

06/16/2021

DEVELOPED BY

JON DENTON (BARBARA GORMAN) **LONNIE EVERHART**
Jun 22, 2021

OFFICE

AJV-A432

DATE

01/27/2021

APPROVED BY

LONNIE EVERHART **LONNIE EVERHART**
Jun 22, 2021

OFFICE

AJV-A430

DATE**TITLE**
MANAGER

QUALITY
8
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	59A44E76

ADDITIONAL PATH POINT RECORD INFORMATION

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

