#### 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.

**PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE AIRPORT ID** RNAV (GPS) RWY 25 1B WAVERLY ОН **KEOP AIRPORT ELEVATION TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 

661 RNAV (GPS) RWY 25 1A 02/28/2019 6W 2000

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE RNAV ROUTINE ROUTINE ROUTINE CANCEL/SUSPEND ROUTINE

#### **TERMINAL ROUTES**

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	ALTITUDE
TARTO	IAF	IGMIY	NOPT	TF	FB	1.00	198.71	17.11	3000
IGMIY	IF/IAF	UKESY		TF	FB	1.00	248.24	6.05	2300
UKESY	FAF	HINAB/2.60 NM TO RW25		TF	FB	0.30	248.17	2.42	
HINAB/2.60 NM TO RW25		RW25	MAP	TF	FO	0.30	248.17	2.60	
RW25	MAP	1120 MSL		CA			248.17		1120
1120 MSL		IGMIY		DF	FO	1.00			3000

# MISSED APPROACH

MAP:

LP: RW25 LNAV: RW25

#### **MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1120 THEN CLIMBING LEFT TURN TO 3000 DIRECT IGMIY AND HOLD.

#### **ALTERNATE MISSED APPROACH INSTRUCTIONS:**



AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKEOPRNAV (GPS) RWY 251BWAVERLYOH

# **PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

**2.** HOLD E IGMIY, LT, 248.24 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

**3. FAC:** 248.17 **FAF:** UKESY **DIST FAF TO MAP:** 5.02 **DIST FAF TO THLD:** 5.02

**4. MIN ALT:** IGMIY 3000, UKESY 2300, HINAB/2.60 NM TO RW25 1520

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

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

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

**8. MSA FROM:** RW25 3100

#### PBN REQUIREMENTS NOTE:

RNP APCH - GPS

### NOTES:

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TARTO ON V493 NORTHBOUND.

CHART NOTE: CIRCLING RWY 7 NA AT NIGHT.

CHART NOTE: USE GREATER PORTSMOUTH RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROSS COUNTY ALTIMETER SETTING.

#### **ADDITIONAL FLIGHT DATA:**

CHART GREATER PORTSMOUTH RGNL AWOS.

CHART FAS OBST: 990 TREE (39-045522) 391041N/0825549W, 752 TREE (39-047499) 391030N/0825445W.

1260 AAO 391330N/0824958W.

CHART BRUSH CREEK MOA.

CHART BUCKEYE MOA.

WAAS CHANNEL # 97537

REFERENCE PATH ID: W25A

CHART CIRCLING ICON.

UKESY TO RW25: 3.00/40.

LTP HAE: 167.7 M

#### MINIMUMS:

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

**ALTERNATE:** NA



CATEGORY:	Α		В			С			D			E			
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA	<u>DA/MDA</u>	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA
LP MDA	1060	1	399	1060	1	399	1060	1 1/8	399	1060	1 1/8	399			
LNAV MDA	1260	1	599	1260	1	599	1260	1 3/4	599	1260	1 3/4	599		, A.L.	
CIRCLING	1500	1 1/4	839	1520	1 1/4	859	1580	2 3/4	919	1700	3	1039		OVALI7_	

 AIRPORT ID
 PROCEDURE NAME
 ORIGINAL/AMENDMENT
 CITY
 STATE

 KEOP
 RNAV (GPS) RWY 25
 1B
 WAVERLY
 OH

#### **CHANGES - REASONS**

- 1. INCORPORATED P-NOTAM AMDT IA IAW 8260.19I 8-3-4 C.2.
- 2. LP MDA/HAT INCREASED FROM 1020/359 TO 1060/399; 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 1240/579 TO 1260/599; CAT C/D VISIBILITY INCREASED FROM 1 5/8 TO 1 3/4. 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 1100 MSL TO 1120 MSL. IAW 8260.58A 3-5-2A.
- 6. TERMINAL ROUTES: MISSED APPROACH DF LEG RNP 1.00 ADDED. IAW 8260.58A TABLE 1-2-1.
- 7. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT IGMIY AND HOLD" TO "CLIMB TO 1120 THEN CLIMBING LEFT TURN TO 3000 DIRECT IGMIY AND HOLD." IAW 8260.58A 3-5-2A.
- 8. PROFILE LINE 7: 20:1 IS CLEAR ADDED. NO 20:1 PENETRATIONS PRESENT.
- 9. UPDATED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH GPS. IAW 8260.19I 8-6-8 B (2).
- 10. REMOVED CHART NOTE: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHILLICOTHE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LP CAT C/D VISIBILTY AND LNAV CAT C/D VISIBILITY 1/8 MILE, 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 8260.191 8-6-9 F(6): LOCAL AWOS DECOMMISSIONED, REMOTE ALTIMETER IN USE.

OTHER: ZID DAY ATCT AMGR

- 11. ADDED ADDITIONAL FLIGHT DATA: CHART GREATER PORTSMOUTH RGNL AWOS. IAW 8260.19I 8-2-4 B.3.
- 12. UPDATED FAS DATA: FPAP LATITUDE AND LONGITUDE FROM 390930.6905N/0825655.7355W TO 390930.6850N/0825655.7315W. NEW FPAP LOCATION.

NRAA 🔽

13. UPDATED FAS DATA: CRC REMAINDER FROM EA04D9D2 TO 3B32A579. - FPAP LATITUDE/LONGITUDE UPDATED.

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14. ADDED OBSTACLE ID TO CHART FAS OBSTACLE NOTE. - 8260.19I, 8-6-10C.

AOPA 🔽

# COORDINATED WITH:

	OTHER. 210, DATATOT, AWAIT	
FLIGHT CHECKED BY  JAMES ONIEAL  Digitally signed by  LONNIE EVERHART  Jun 22, 2021	OFFICE         DATE           FICO         06/16/2021	
DEVELOPED BY JON DENTON (BARBARA GORMAN)  Digitally signed by  LONNIE EVERHART	OFFICE         DATE           AJV-A432         02/01/2021	
Jun 22, 2021  APPROVED BY LONNIE EVERHART  Jun 22, 2021  LONNIE EVERHART  Jun 22, 2021	OFFICE DATE AJV-A430	TITLE MANAGER



AIRPORT ID RNAV (GPS) RWY 25 ORIGINAL/AMENDMENT CITY STATE WAVERLY OH

0825514.4925W

+01677

#### **FAS DATA BLOCK INFORMATION**

LTP/FTP LONGITUDE

LTP/FTP ELLIPSOIDAL HEIGHT

DATA FIELD	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEOP
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	391012.4200N

 FPAP LATITUDE
 390930.6850N

 FPAP LONGITUDE
 0825655.7315W

 THRESHOLD CROSSING HEIGHT (TCH)
 00040.0

TCH UNITS SELECTOR (METERS OR FEET USED)

GLIDEPATH ANGLE (GPA)

COURSE WIDTH AT THRESHOLD

LENGTH OFFSET

HORIZONTAL ALERT LIMIT (HAL)

VERTICAL ALERT LIMIT (VAL)

F

03.00

40.0

0.0

CRC REMAINDER 3B32A579

# **ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02014
FPAP ORTHOMETRIC HEIGHT +02014