

**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 25	<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SUPERSEDED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 25	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 02/28/2019	<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**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	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:**





**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 IGMII AND HOLD" TO "CLIMB TO 1120 THEN CLIMBING LEFT TURN TO 3000 DIRECT IGMII 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 VISIBILITY 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 8260.19I 8-6-9 F(6); LOCAL AWOS DECOMMISSIONED, REMOTE ALTIMETER IN USE.
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.
13. UPDATED FAS DATA: CRC REMAINDER FROM EA04D9D2 TO 3B32A579. - FPAP LATITUDE/LONGITUDE UPDATED.
14. 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

**FLIGHT CHECKED BY**

*Digitally signed by*

JAMES ONIEAL

**LONNIE EVERHART**

Jun 22, 2021

**OFFICE**

FICO

**DATE**

06/16/2021

**DEVELOPED BY**

*Digitally signed by*

JON DENTON (BARBARA GORMAN)

**LONNIE EVERHART**

Jun 22, 2021

**OFFICE**

AJV-A432

**DATE**

02/01/2021

**APPROVED BY**

*Digitally signed by*

LONNIE EVERHART

**LONNIE EVERHART**

Jun 22, 2021

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<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
LTP/FTP LONGITUDE	0825514.4925W
LTP/FTP ELLIPSOIDAL HEIGHT	+01677
FPAP LATITUDE	390930.6850N
FPAP LONGITUDE	0825655.7315W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	3B32A579

ADDITIONAL PATH POINT RECORD INFORMATION

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

