

**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</u> WHEELING OHIO CO	<u>AIRPORT ID</u> KHLG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> WHEELING	<u>STATE</u> WV
<u>AIRPORT ELEVATION</u> 1194	<u>TDZE</u> 1178	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 7W
<u>EPOCH YEAR</u> 1985					
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<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>
AIR VOR/DME		FAPNU		TF	FO	1.00	015.84	18.77	3100
HEFJA		FAPNU		TF	FO	1.00	290.60	15.69	3100
CTW DME	IAF	FAPNU	NOPT	TF	FB	1.00	086.80	33.67	2900
FAPNU	IF/IAF	BOVPY		TF	FB	1.00	157.96	5.00	2800
BOVPY	FAF	RW16	MAP	TF	FO	0.30	158.00	4.99	
RW16	MAP	1700 MSL		CA			158.00		1700
1700 MSL		AIR VOR/DME		DF	FO	1.00			3100

MISSED APPROACH

MAP:

LP: RW16
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3100 DIRECT AIR VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N FAPNU, RT, 157.96 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 158.00 FAF: BOVPY DIST FAF TO MAP: 4.99 DIST FAF TO THLD: 4.99
4. MIN ALT: FAPNU 2900, BOVPY 2800
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:
6. MIN GP INCPT: GP ALT AT FAF :
7. GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:
8. MSA FROM: RW16 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AIR VOR/DME AIRWAY RADIALS 334 CW 051.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
BOVPY TO RW16: 3.00/40.
CHART VDP AT 0.97 NM TO RW16
WAAS CHANNEL #99640
REFERENCE PATH ID: W16A
CHART FAS OBST: 1264 TREE 401319N/0804100W, 1357 TREE 401046N/0803821W.
CHART: 1476 TOWER 401554N/0804038W.
HOLD SW, LT, 044.00 INBOUND
LTP HAE: 323.1 M

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
LP MDA	1520	1	342	1520	1	342	1520	1	342	1520	1	342			
LNAV MDA	1620	1	442	1620	1	442	1620	1 3/8	442	1620	1 3/8	442			
CIRCLING	1720	1	526	1740	1	546	1920	2	726	1920	2 1/4	726			



CHANGES - REASONS

1. CHANGED LP MDA/HAT FROM 1480/302 TO 1520/342 ALL CATS - NEW OBSTACLE EVAL AND CLEARS T-NOTAM 9/3298.
2. CIRCLING: CHANGED CAT C MDA/HAA FROM 1900/706 TO 1920/726 - - NEW OBSTACLE EVAL AND CLEARS T-NOTAM 9/3298.
3. REMOVED PLANVIEW NOTE FOR CTW AIRWAY RADIALS 011 CW 106 - AIRWAYS CANCELLED, CTW VOR/DME VOR PORTION DECOMMISSIONED FOR VORMON.
4. CHANGED FAS OBST FROM "1226 TREE 401055N/0803905W" TO "1264 TREE 401319N/0804100W" - NEW OBSTACLE EVAL.
5. CHANGED "CHART VDP AT 0.84 NM TO RW16" TO "CHART VDP AT 0.97 NM TO RW16" - NEW VDP CALCULATED ON NEW MDA
6. ADDED "RNP APCH" TO PBN REQUIREMENT NOTES - 8260.19H, CH 8, 8-6-8, B(1) AND CLEARS T-NOTAM 9/3298.
7. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - 8260.19H, CH 8, 8-6-8, N AND CLEARS T-NOTAM 9/3298.
8. TERMNAL ROUTES - CTW VOR/DME CHANGED TO CTW DME - CTW VOR PORTION DECOMMISSIONED DUE TO VORMON.
9. ADDED "MAX 6000" TO PROFILE, LINE 2 - 8260.19H, 8-6-7, B(2).
10. CRC REMAINDER CHANGED FROM 61493FF3 TO 7F9D141E. - LTP/FTP LONGITUDE CHANGED FROM 0803856.1240W TO 0803856.1235W.
11. LTP ORTHOMETRIC HEIGHT CHANGED FROM +03571 TO +03570 - LTP/FTP LONGITUDE CHANGED FROM 00803856.1240W TO 0803856.1235W.
12. FPAP ORTHOMETRIC HEIGHT CHANGED FROM +03571 TO +03570 - LTP/FTP LONGITUDE CHANGED FROM 0803856.1240W TO 0803856.1235W.
13. ADDED ALTERNATE MINIMUM NOTE: "NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19H 8-6-11.B(4).
14. ADDED "CHART 1476 TOWER 401554N/0804038W" - 7:1 OBSTACLE.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB, PIT APP CON, HLG ATCT, AMGR

<div>FLIGHT CHECKED BY</div> <div>DURLEY J FELDER</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Jun 24, 2020</div>	<div>OFFICE</div> <div>FICO</div>	<div>DATE</div> <div>6/11/2020</div>
<div>DEVELOPED BY</div> <div>ALLAN WILL (HENRY A BRADSHAW)</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Jun 24, 2020</div>	<div>OFFICE</div> <div>AJV-A423</div>	<div>DATE</div> <div>02/14/2020</div>
<div>APPROVED BY</div> <div>MARLON ROBINSON</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Jun 24, 2020</div>	<div>OFFICE</div> <div>AJV-A420</div>	<div>TITLE</div> <div>MANAGER</div>



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHLG
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	401050.5960N
LTP/FTP LONGITUDE	0803856.1235W
LTP/FTP ELLIPSOIDAL HEIGHT	+03231
FPAP LATITUDE	400932.5835N
FPAP LONGITUDE	0803759.8365W
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	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	7F9D141E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03570
FPAP ORTHOMETRIC HEIGHT	+03570

