

**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 3	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> WHEELING	<u>STATE</u> WV	
<u>AIRPORT ELEVATION</u> 1194	<u>TDZE</u> 1172	<u>SUPERSEDED</u> RNAV (GPS) RWY 3	<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>
HLG VOR/DME		BOGGS		TF	FO	1.00	216.49	16.92	3100
AHTIY		AMNOV		TF	FB	1.00	285.80	13.83	3200
AMNOV	IAF	BOGGS	NOPT	TF	FB	1.00	328.04	5.00	3100
CTW DME	IAF	BOGGS	NOPT	TF	FB	1.00	117.83	35.87	3100
BOGGS	IF/IAF	CESKA		TF	FB	1.00	032.95	5.99	2600
CESKA	FAF	YIZQI/1.80 NM TO RW03		TF	FB	0.30	032.98	2.50	
YIZQI/1.80 NM TO RW03		RW03	MAP	TF	FO	0.30	032.98	1.80	
RW03	MAP	1600 MSL		CA			032.98		1600
1600 MSL		HLG VOR/DME		DF	FO	1.00			3100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

MISSED APPROACH INSTRUCTIONS:

CLIMB 1600 THEN CLIMB TO 3100 DIRECT HLG VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW BOGGS, LT, 032.95 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 032.98 FAF: CESKA DIST FAF TO MAP: 4.30 DIST FAF TO THLD: 4.30
4. MIN ALT: BOGGS 3100, CESKA 2600, YIZQI/1.80 NM TO RW03 1800*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.47 GS ANT: MM: IM:
6. MIN GP INCPT: 2600 GP ALT AT FAF : CESKA 2600 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 59.5
8. MSA FROM: RW03 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS AND LNAV CATS A/B.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

*LNAV ONLY
CHART CIRCLING ICON.
WAAS CHANNEL #90513
REFERENCE PATH ID: W03A
CHART FAS OBST: 1380 TREE 400822N/0803955W.
HOLD NE, LT, 223.00 INBOUND
LTP HAE: 322.7 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
LPV DA	1372	5000	200	1372	5000	200	1372	5000	200	1372	5000	200			
LNAV/VNAV DA	1439	5000	267	1439	5000	267	1439	5000	267	1439	5000	267			
LNAV MDA	1640	5500	468	1640	5500	468	1640	6000	468	1640	6000	468			
CIRCLING	1720	1	526	1740	1	546	1920	2	726	1920	2 1/4	726			



CHANGES - REASONS

1. TERMNAL ROUTES - CTW VOR/DME CHANGED TO CTW DME - CTW VOR PORTION DECOMMISSIONED DUE TO VOR MON.
2. LNAV/VNAV DA/HAT CHANGED FROM 1430/258 TO 1439/267 ALL CATS. - NEW CONTROLLING OBSTACLE IDENTIFIED AND CLEARS T-NOTAM 9/3297.
3. LNAV STEPDOWN MDA/HAT CHANGED FROM 1600/428 TO 1640/468 ALL CATS.- NEW CONTROLLING OBSTACLE IDENTIFIED AND CLEARS T-NOTAM 9/3297.
4. CIRCLING: CHANGED CAT C MDA/HAA FROM 1900/706 TO 1920/726 - NEW CONTROLLING OBSTACLE IDENTIFIED AND CLEARS T-NOTAM 9/3297.
5. LNAV VISIBILITY CHANGES: CAT C-D FROM 1 TO 1 1/8 SM. - UPDATED VISCHECK RESULTS.
6. REMOVED PLANVIEW NOTE FOR CTW VOR/DME RADIALS 045 CW 181 - AIRWAYS CANCELED DUE TO VOR MON.
7. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - 8260.19H, CH 8, 8-6-8, N AND CLEARS T-NOTAM 9/3297.
8. ADDED "RNP APCH" TO PBN REQUIREMENT NOTES - 8260.19H, CH 8, 8-6-8, B(1) AND CLEARS T-NOTAM 9/3297.
9. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 1332 TREE 400851N/0803934W" TO "CHART FAS OBST: 1380 TREE 400822N/0803955W" - NEW CONTROLLING OBSTACLE IDENTIFIED.
10. CHANGED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (2°F) OR ABOVE 54°C (130°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - 8260-19H, 8-6-9, S AND CLEARS T-NOTAM 9/3297.
11. ADDED "MAX 6000" TO PROFILE, LINE 2 - 8260.19H, 8-6-7, B(2).
12. VDP DELETED - WITHIN .5NM OF YIZQI STEP DOWN FIX.
- 13.ADDED ALTERNATE MINIMUM NOTE: "NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19H 8-6-11.B(4).
14. DELETED PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT AHTIY ON V8-92-214 SOUTHEAST BOUND." - AIRWAYS CANCELED DUE TO VOR MON.
15. CHANGED CA LEG ALTITUDE FROM 1372 TO 1600 - 8260.58A 3-5-2.A(2)
16. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3100 DIRECT HLG VOR/DME AND HOLD." TO "CLIMB 1600 THEN CLIMB TO 3100 DIRECT HLG VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100." - 8260.3D PARA 2-8-5C. (3)(A)
17. CHANGED 200 HAT FROM "0.45" TO "0.47" - UPDATED MDA
18. CHANGED "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV AND LNAV CATS A/B." TO "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS AND LNAV CATS A/B." - 8260.19H PARA 8-6-11.O.(3)(C).
19. UPDATED LPV AND LNAV/VNAV ALL CATS VIS FROM 1 SM TO 5000 RVR, AND LNAV CATS A/B FROM 1 SM TO 5500 RVR, AND LNAV CATS C/D FROM 1-1/8 SM TO 6000 RVR - NEW VISCHECK AND RVR AVAILABLE

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZOB, PIT APP CON, HLG ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by
DAVID DANNER

DATE

Mar 30, 2020

OFFICE

AJV-A423

DATE

02/14/2020

DEVELOPED BY

ALLAN WILL (HENRY A BRADSHAW)

Digitally signed by

DAVID DANNER

Mar 30, 2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Mar 30, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHLG
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	401006.8300N
LTP/FTP LONGITUDE	0803904.7230W
LTP/FTP ELLIPSOIDAL HEIGHT	+03227
FPAP LATITUDE	401126.9625N
FPAP LONGITUDE	0803813.7395W
THRESHOLD CROSSING HEIGHT (TCH)	00059.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A82B0B5F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03566
FPAP ORTHOMETRIC HEIGHT	+03566

