

**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> YNG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> YOUNGSTOWN/WARREN	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 1192	<u>TDZE</u> 1134	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>DATED</u> 03/26/2020	<u>MAG VAR</u> 8W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1990
		<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 053/30 CW 233/30	NOPT	053/15 CW 233/15		3100
2. 053/15 CW 233/15		OTNOE	IF/IAF	2900
3. 233/30 CW 053/30		233/15 CW 053/15		3600
4. 233/15 CW 053/15		OTNOE	IF/IAF	2900

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>
OTNOE	IF/IAF	ZAVIB		TF	FB	1.00	142.83	6.02	2900
ZAVIB	FAF	RW14	MAP	TF	FO	0.30	142.89	5.45	
RW14	MAP	1334 MSL		CA			142.89		
1334 MSL		UNERE		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 DIRECT UNERE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NW OTNOE, RT, 142.83 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	142.89	FAF:	ZAVIB	DIST FAF TO MAP:	5.45	DIST FAF TO THLD:	5.45							
4.	MIN ALT:	OTNOE 2900, ZAVIB 2900													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.53	GS ANT:				
6.	MIN GP INCPT:	2900	GP ALT AT PFAF:	ZAVIB 2900					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	57.2							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART NOTE: CIRCLING RWY 5 AND 23 NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 323.09 INBOUND.
CHART FAS OBST: 1252 TREE 411633N/0804045W.
CHART VDP AT 1.18 NM TO RW14.
WAAS CHANNEL # 49205
REFERENCE PATH ID: W14A
CHART CIRCLING ICON.
LTP HAE: 303.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	1334	1/2	200	1334	1/2	200	1334	1/2	200	1334	1/2	200			
LNAV/VNAV DA	1421	1/2	287	1421	1/2	287	1421	1/2	287	1421	1/2	287			
LNAV MDA	1540	1/2	406	1540	1/2	406	1540	5/8	406	1540	5/8	406			
CIRCLING	1640	1	448	1660	1	468	1740	1 1/2	548	1760	2	568			



<u>AIRPORT ID</u> YNG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> YOUNGSTOWN/WARREN	<u>STATE</u> OH
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CHANGES - REASONS

1. DECREASED LPV DA/HAT FROM 1384/250 TO 1334/200; VISIBILITY FROM RVR 2400 TO 1/2 SM. – LPV SURFACE CLEAR.
2. DECREASED LNAV/VNAV MDA/HAT FROM 1499/365 TO 1421/287; VISIBILITY FROM RVR 4000 TO 1/2 SM. – NEW LNAV/VNAV CONTROLLING OBSTACLE.
3. REMOVED MSA; ADDED TAA. – PER ATC/FPT REQUEST.
4. REMOVED FEEDER FROM YNG VORTAC. – YNG VORTAC DECOMMISSIONING; ATC REQUEST.
5. ADDED TERMINAL ROUTES: MISSED APPROACH CA LEG. - IAW 8260.58B 3-5-2.
6. UPDATED TERMINAL ROUTES: OTNOE – ZABIB DISTANCE FROM 6.09 TO 6.02. – FAF ZAVIB MOVED TO ACCOMMODATE GPA/TCH.
7. UPDATED TERMINAL ROUTES: ZAVIB – TO RW14 COURSE/DISTANCE FROM 142.90/5.37 TO 142.89/5.45. - FAF ZAVIB MOVED TO ACCOMMODATE GPA/TCH.
8. LINE 3: UPDATED FAC FROM 142.90 TO 142.89; DISTANCE FAF TO MAP/THLD FROM 5.37 TO 5.45. - FAF ZAVIB MOVED TO ACCOMMODATE GPA/TCH.
9. ADDED DISTANCE TO THLD FROM 200 HAT: 0.53. REMOVED "DISTANCE TO THLD FROM 250 HAT: 0.69 NM" FROM ADDITIONAL FLIGHT DATA. – LPV MINIMUMS DECREASED; FORMS UPDATED.
10. LINE 7: UPDATED 34:1 IS NOT CLEAR TO 34:1 IS CLEAR. – NO 34:1 PENETRATIONS FOUND.
11. UPDATED PBN REQUIREMENTS NOTE: FROM RNP APCH TO RNP APCH - GPS. - IAW 8260.58C TABLE 1-2-1.
12. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA FROM “-17C OR ABOVE 46C” TO “-18C OR ABOVE 54C.” - NEW 5-YEAR WEATHER STUDY COMPLETED.
13. UPDATED CHART NOTE: FROM “FOR INOP ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000 AND LNAV CAT D VISIBILITY CAT D TO RVR 6000” TO “FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM.” – NEW EVALUATION COMPLETED.
14. REMOVED CHART NOTE: PROCEDURE NA FOR ARRIVALS AT YNG VORTAC VIA AIRWAY RADIALS 325 CW 028. – FEEDER REMOVED.
15. UPDATED CHART NOTE: FROM "CIRCLING RWY 5 NA AT NIGHT" TO "CIRCLING RWY 5 AND 23 NA AT NIGHT." - 20:1 PENETRATIONS FOUND ON RUNWAY 23.
16. UPDATED ADDITIONAL FLIGHT DATA: CHART FAS OBST: FROM “1249 TREE 411627N/0804055W, 1229 TREE 411645N/0804105W” TO “1252 TREE 411633N/0804045W.” – NEW NON-PRECISION LNAV CONTROLLING OBSTACLE; PRECISION LNAV/VNAV OBSTACLE NOT REQUIRED.
17. UPDATED ADDITIONAL FLIGHT DATA: CHART VDP AT: FROM “1.18NM TO RW 14*, *LNAV ONLY” TO “1.18NM TO RW 14.” – *LNAV ONLY NOT REQUIRED IAW 8260.19I 8-6-10M.
18. ADDITIONAL FLIGHT DATA: DELETED “CHART ASR.” - NO LONGER REQUIRED BY CRITERIA.
19. ADDITIONAL FLIGHT DATA: DELETED “CHART CIRCLING ICON.” - NO LONGER REQUIRED.
20. FAS DATA: LTP/FTP LATITUDE/LONGITUDE UPDATED FROM 411622.3800N/0804132.4600W TO 411622.3705N/0804132.4505W. – NEW AIRNAV DATA INCORPORATED.
21. FAS DATA: FPAP LATITUDE/LONGITUDE UPDATED FROM 411519.5300N/0804009.0500W TO 411519.3785N/0804008.8460W. - NEW AIRNAV DATA INCORPORATED.
22. FAS DATA: UPDATED LENGTH OFFSET FROM 0000 TO 0008. - NEW RUNWAY SURVEY.
23. FAS DATA: UPDATED VERTICAL ALERT LIMIT (VAL) FROM 50.0 TO 35.0. – LPV HAT REDUCED FROM 250 TO 200.
24. FAS DATA: CRC REMAINDER UPDATED FROM E6BF6E4F TO 0E54824B. - LTP/FPT/FPAP LATITUDE/LONGITUDE AND VAL UPDATED.

COORDINATED WITH:

A4A☒

ALPA☒

AOPA☒

APA☐

HAI☐

NBAA☒

OTHER: ZOB, YNG APP CON, YNG ATCT, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

JOSEPH L ZEDER

Jul 22, 2024

OFFICE

FPO

DATE

07/18/2024

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

JOSEPH L ZEDER

Jul 22, 2024

OFFICE

AJV-A432

DATE

03/27/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

JOSEPH L ZEDER

Jul 22, 2024

OFFICE

AJV-A430

DATE

TITLE

MANAGER



AIRPORT ID
YNG

PROCEDURE NAME
RNAV (GPS) RWY 14

ORIGINAL/AMENDMENT
1

CITY
YOUNGSTOWN/WARREN

STATE
OH

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KYNG
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	411622.3705N
LTP/FTP LONGITUDE	0804132.4505W
LTP/FTP ELLIPSOIDAL HEIGHT	+03036
FPAP LATITUDE	411519.3785N
FPAP LONGITUDE	0804008.8460W
THRESHOLD CROSSING HEIGHT (TCH)	00057.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	0E54824B
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03374
FPAP ORTHOMETRIC HEIGHT	+03374

