

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
YNG VORTAC	OTNOE (FO)	305.38 / 10.04	2900	LPV: DA LNAV/VNAV: DA LNAV: RW14	
OTNOE (IF/AF)	ZAVIB (FB)	142.83 / 6.09	2900	CLIMB TO 2900 DIRECT UNERE AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 323.08 INBOUND. CHART FAS OBST: 1229 TREE 411645N/0804105W CHART FAS OBST: 1249 TREE 411627N/0804055W DISTANCE TO THLD FROM 250 HAT: 0.69 NM. CHART VDP AT 1.18 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 49205 REFERENCE PATH ID: W14A CHART: ASR	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)					
2. HOLD NW OTNOE, RT, 142.83 INBOUND, 2900 FT. IN LIEU OF PT (IAF)					
3. FAC: <u>142.90</u> FAF: <u>ZAVIB</u> DIST FAF TO MAP: <u>5.37</u> THLD: <u>5.37</u>					
4. MIN. ALT: <u>OTNOE 2900, ZAVIB 2900</u>					
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>					
6. MIN GS INCP: <u>2900</u> GS ALT AT: <u>ZAVIB</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>					
7. GS ANGLE: <u>3.00</u> TCH: <u>57.2</u> 34:1 IS CLEAR					
8. MSA FROM: <u>RW14 3600</u>				MAG VAR: <u>8W</u> EPOCH YEAR: <u>1990</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1384	2400	250	1384	2400	250	1384	2400	250	1384	2400	250			
LNAV/VNAV DA	1499	4000	365	1499	4000	365	1499	4000	365	1499	4000	365			
LNAV MDA	1540	2400	406	1540	2400	406	1540	4000	406	1540	5000	406			
CIRCLING	1640	1	444	1660	1	464	1660	1 1/2	464	1760	2	564			

NOTES:
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000 AND LNAV CAT D VISIBILITY TO RVR 6000.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YNG VORTAC VIA AIRWAY RADIALS 325 CW 028.

CITY AND STATE YOUNGSTOWN/WARREN, OH	ELEVATION: 1196 TDZE: 1134 AIRPORT NAME: YOUNGSTOWN/WARREN REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG APR 10 2008	SUP: AMDT: NONE DATED
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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	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	411622.3800N
LTP/FTP LONGITUDE	0804132.4600W
LTP/FTP ELLIPSOIDAL HEIGHT	+03036
FPAP LATITUDE	411519.5300N
FPAP LONGITUDE	0804009.0500W
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	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER E6BF6E4F

ADDITIONAL PATH POINT RECORD INFORMATION

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

CITY AND STATE YOUNGSTOWNWARREN, OH	ELEVATION: 1196 TDZE: 1134	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: YOUNGSTOWNWARREN REGIONAL		RNAV (GPS) RWY 14, ORIG	AMDT: NONE
			APR 10 2008	DATED:

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	YNG	YNG	010		IF		FO				
	YNG	OTNOE	020		TF		FB	2.0	305.4 (297T)	010.0	02900
	YNG	OTNOE	030		HF	R	FB		142.8 (135T)	004.0	02900
		OTNOE	010	FACF	IF		FB				02900
		ZAVIB	020	FAF	TF		FB	0.5	142.8 (135T)	006.1	02900
		RW14	030	MAP	TF		FO	0.3	142.9 (135T)	005.4	01164

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	UNERE	040		DF		FO	1.0			02900
	UNERE	050		HM	R	FO	2.0	323.1 (315T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	YNG	N411951.68	W0804028.75	N4119.861	W08040.479
	OTNOE	N412428.17	W0805219.50	N4124.470	W08052.325
	UNERE	N410732.69	W0802951.61	N4107.545	W08029.860
	ZAVIB	N412010.07	W0804635.23	N4120.168	W08046.587
	RW14	N411622.38	W0804132.46	N4116.373	W08041.541

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	01107	57

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				AMDT: NONE
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