

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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			LPV: DA LNAV/VNAV: DA LNAV: RW32									
VASHO (IAF)			WIMLU (NOPT) (TF) (FB) (RNP 1.00)			277.97 / 16.36			2300			CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 2300 DIRECT WIMLU AND HOLD.									
WIMLU (IF/IAF)			HOKVO (TF) (FB) (RNP 1.00)			321.16 / 5.18			2200												
HOKVO (FAF)			CETYA/1.60 NM TO RW32 (TF) (FB) (RNP 0.30)			321.10 / 3.22															
CETYA/1.60 NM TO RW32			RW32 (MAP) (TF) (FO) (RNP 0.30)			321.10 / 1.60															
RW32 (MAP)			1100 MSL (CA)			321.10			1100			ADDITIONAL FLIGHT DATA: CHART FAS OBST: 767 T-L TWR 413316N/0832654W. 835 AAO 413001N/0832508W. DISTANCE TO THLD FROM 250 HAT: 0.64 NM. WAAS CHANNEL # 70524 REFERENCE PATH ID: W32A CHART CIRCLING ICON. LTP HAE: 153.9 M									
1100 MSL			WIMLU (DF) (FO) (RNP 1.00)						2300												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD SE WIMLU, RT, 321.16 INBOUND, 2300 FT. IN LIEU OF PT (IAF)																					
3. FAC: 321.10 FAF: HOKVO DIST FAF TO MAP: 4.82 THLD: 4.82																					
4. MIN. ALT: WIMLU 2300, HOKVO 2200, CETYA/1.60 NM TO RW32 1160*																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																					
6. MIN GS INCPT: 2200 GS ALT AT: HOKVO 2200 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 45.0 20:1 IS CLEAR 34:1 IS NOT CLEAR																					
8. MSA FROM: RW32 3100																					
MAG VAR: 7W EPOCH YEAR: 2010																					
MINIMUMS																					
TAKEOFF: 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	871	3/4	250	871	3/4	250	871	3/4	250	871	3/4	250									
LNAV/VNAV DA	1080	1 3/8	459	1080	1 3/8	459	1080	1 3/8	459	1080	1 3/8	459									
LNAV MDA	1020	1	399	1020	1	399	1020	1 1/8	399	1020	1 1/8	399									
CIRCLING	1080	1	457	1100	1	477	1200	1 1/2	577	1320	2 1/4	697									
NOTES: CHART NOTE: CIRCLING RWY 14 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING TOLEDO EXPRESS ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																					
CITY AND STATE TOLEDO, OH				ELEVATION: 623 TDZE: 621 AIRPORT NAME: TOLEDO EXECUTIVE				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 2 19 JULY 2018				SUP: AMDT: 1 DATED 07/21/2016							

QUALITY
22
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

*LNAV ONLY

PBN REQUIREMENT NOTE: RNP APCH.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOLEDO EXPRESS ALTIMETER SETTING AND INCREASE LPV DA TO 914, LNAV/VNAV TO 1123, INCREASE LPV ALL CATS VISIBILITY 1/8 SM. INCREASE ALL MDA 60 FEET AND INCREASE LNAV CATS C AND D AND CIRCLING CAT D VISIBILITY 1/4 SM.

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CITY AND STATE TOLEDO, OH	ELEVATION: 623 TDZE: 621 AIRPORT NAME: TOLEDO EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 2 19 JULY 2018	SUP:
				AMDT: 1
				DATED: 07/21/2016

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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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	KTDZ
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	413338.1925N
LTP/FTP LONGITUDE	0832832.5815W
LTP/FTP ELLIPSOIDAL HEIGHT	+01539
FPAP LATITUDE	413440.1640N
FPAP LONGITUDE	0832957.9100W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1080
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 2C0F8A85

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01893
FPAP ORTHOMETRIC HEIGHT	+01893

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