

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		LP: RW04 LNAV: RW04										
VEFDO (IF/IAF)				WIGRI (TF) (FB) (RNP 1.00)			045.68 / 8.38				2200		CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2300 DIRECT VEFDO AND HOLD.										
WIGRI (FAF)				ZAVRI/2.10 NM TO RW04 (TF) (FB) (RNP 0.30)			045.76 / 2.05																
ZAVRI/2.10 NM TO RW04				RW04 (MAP) (TF) (FO) (RNP 0.30)			045.76 / 2.10																
RW04 (MAP)				1100 MSL (CA)			045.76				1100		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 739 POLE 413411N/0832933W, 727 TOWER 413334N/0832924W. CHART 949 TOWER 413028N/0833307W. 845 AAO 413015N/0833204W. CHART VDP AT 0.87 NM TO RW04. WAAS CHANNEL # 82223 REFERENCE PATH ID: W04A CHART CIRCLING ICON. WIGRI TO RW04: 3.50/35 LTP HAE: 154.4 M										
1100 MSL				VEFDO (DF) (FO) (RNP 1.00)							2300												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																							
2. HOLD SW VEFDO, RT, 045.68 INBOUND, 2300 FT. IN LIEU OF PT (IAF)																							
3. FAC: 045.76 FAF: WIGRI DIST FAF TO MAP: 4.15 THLD: 4.15																							
4. MIN. ALT: VEFDO 2300, WIGRI 2200, ZAVRI/2.10 NM TO RW04 1320																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: _____ TCH: 20:1 IS CLEAR 34:1 IS NOT CLEAR																							
8. MSA FROM: _____																							
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								
LP MDA	980	1	357	980	1	357	980	1	357	980	1	357											
LNAV MDA	1000	1	377	1000	1	377	1000	1	377	1000	1	377											
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: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. PBN REQUIREMENT NOTES: RNP APCH. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOLEDO EXPRESS ALTIMETER SETTING AND (CONTINUED ON PAGE 2)																							
CITY AND STATE TOLEDO, OH				ELEVATION: 623 TDZE: 623 AIRPORT NAME: TOLEDO EXECUTIVE			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 19 JULY 2018					SUP: AMDT: ORIG-A DATED 06/26/2014									

QUALITY
22
CHECKED

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

INCREASE ALL MDA 60 FEET, LP CATS C/D VISIBILITY 1/8 MILE, INCREASE LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	316/30 CW 136/30 (NOPT)	316/15 CW 136/15	2900
2.	316/15 CW 136/15	VEFDO (IF/IAF) (FB)	2300
3.	136/30 CW 316/30	136/15 CW 316/15	3100
4.	136/15 CW 316/15	VEFDO (IF/IAF) (FO)	2300

QUALITY
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CHECKED

CITY AND STATE

TOLEDO, OH

ELEVATION: 623

TDZE: 623

AIRPORT NAME:

TOLEDO EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

19 JULY 2018

SUP:

AMDT: ORIG-A

DATED: 06/26/2014

**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	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	413336.8645N
LTP/FTP LONGITUDE	0832909.6895W
LTP/FTP ELLIPSOIDAL HEIGHT	+01544
FPAP LATITUDE	413446.3300N
FPAP LONGITUDE	0832755.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 C428F151

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01898
FPAP ORTHOMETRIC HEIGHT	+01898

QUALITY
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					AMDT: ORIG-A
					DATED: 06/26/2014