

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
LOC STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.25

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> KTPA	<u>PROCEDURE NAME</u> LOC RWY 1R	<u>ORIGINAL/AMENDMENT</u> 4C	<u>CITY</u> TAMPA	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 26	<u>TDZE</u> 21	<u>SUPERSEDED</u> LOC RWY 1R	<u>ORIGINAL/AMENDMENT</u> 4B	<u>DATED</u> 06/17/2021	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-TWJ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES** THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 23-07.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LAL VORTAC		MUWTY INT/I-TWJ 14.33 DME					242.19	31.16	3000
MUWTY INT/I-TWJ 14.33 DME	IF/IAF	ANAZE/I-TWJ 8.32 DME					006.73	6.01 (I-TWJ)	2600

**MISSED APPROACH**

**MAP:**

LOC: 6.80 NM AFTER ANAZE/I-TWJ 8.32 DME OR AT I-TWJ 1.52 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT LAL VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
2. HOLD S MUWTY, RT, 006.73 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 4500.
3. FAC: 006.73      FAF: ANAZE/I-TWJ 8.32 DME      DIST FAF TO MAP: 6.80      DIST FAF TO THLD: 6.80
4. MIN ALT: MUWTY INT/I-TWJ 14.33 DME 2600, ANAZE/I-TWJ 8.32 DME 2600, ZELTO/I-TWJ 4.83 DME 1300
8. MSA FROM: PIE VORTAC 2700

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



**ADDITIONAL FLIGHT DATA:**  
CHART IN PLANVIEW: LAL 31.16 DME AT MUWTY.  
HOLD W, RT, 101.00 INBOUND.  
CHART FAS OBST: 155 BLDG 275719N/0823133W.  
CHART VDP AT 2.69 DME.  
DISTANCE VDP TO THLD 1.16 NM.  
CHART CIRCLING ICON.  
CHART KMCF IN PLAN AND PROFILE VIEWS.  
ANAZE TO RW01R: 3.50/55.

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

**ALTERNATE:** NA ☐ LOC: STANDARD - CAT D 1000-3

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
S-LOC 01R	460	5500	439	460	5500	439	460	1 1/4	439	460	1 1/4	439			
CIRCLING	560	1	534	560	1	534	680	1 3/4	654	980	3	954			

- CHANGES - REASONS**
1. CHANGED ANAZE FROM AN INTERSECTION TO A DME FIX - FROM ANAZE INT/I-TWJ 8.32 DME TO ANAZE/I-TWJ 8.32 DME - CROSSING RADIAL 253 IS UNUSABLE IAW WITH FLIGHT CHECK AND CANNOT BE USED AS AN INTERSECTION FIX DUE TO FREQUENCY MODULATION AND SCALLOPING.
  2. PROFILE LINE 4 CHANGED ZELTO INT/I-TWJ 4.83 DME TO ZELTO/I-TWJ 4.83 DME. - DME IS NOW REQUIRED.
  3. REMOVED ADDITIONAL FLIGHT DATA CHART 189 BUILDING 275301N/0823144W. - NO LONGER A 7:1 OBSTACLE.
  4. ADDITIONAL FLIGHT DATA CHANGED FROM CHART VDP AT 2.74 DME, DISTANCE VDP TO THLD 1.21 NM TO CHART VDP AT 2.69 DME, DISTANCE VDP TO THLD 1.16 NM. - FIX ERROR CHANGED FROM INTERSECTION TO DME.
  5. ALTERNATE MINIMUMS CHANGED FROM CAT A, B 1300-2 CAT C,D 1300-3 TO STANDARD - CAT D 1000-3. - UPDATED TO REFLECT DME REQUIRED MINIMUMS.
  6. REMOVED S-01R AND CIRCLING MINS THAT DID NOT REQUIRE DME. - PROCEDURE NOW REQUIRES DME.
  7. ZELTO FIX MINIMUMS CHANGED TO S-LOC 01R MINIMUMS. - DME IS NOW REQUIRED ON THE PROCEDURE.
  8. ADDED EQUIPMENT REQUIREMENTS NOTE - DME REQUIRED - DME IS REQUIRED TO RECEIVE THE FAF ANAZE.
  9. MINS CHANGED CAT A & B VIS FROM 1 SM TO RVR 5500 AND CAT C & D VIS FROM 1 3/8 SM TO 1 1/4 SM. - RUNWAY HAS RVR SENSORS AND UPDATED VIS IAW 8260.3E.

02/13/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/12/2022.  
1. PROFILE LINE 4 CHANGED FROM MUWTY INT/I-TWJ 14.33 DME 3000 TO MUWTY INT/I-TWJ 14.33 DME 2600.

**COORDINATED WITH:**  
~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☒ ~~HAI~~ ☐ ~~NBAA~~ ☒ **OTHER:** ZMA, ZJX, TPA ATCT, TPA APP CON, APT MGR

**FLIGHT CHECKED BY**  
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE** *Digitally signed by* **DATE**  
**CASIMIR L TABAKA**  
Feb 14, 2023

**DEVELOPED BY**  
TYLER MITCHELL

*Digitally signed by*  
**TYLER D MITCHELL**

**OFFICE** **DATE**  
AJV-A432 04/09/2022

**APPROVED BY**  
CASIMIR TABAKA

Feb 14, 2023

*Digitally signed by*  
**CASIMIR L TABAKA**  
Feb 14, 2023

**OFFICE** **DATE**  
AJV-A430

**TITLE**  
MANAGER

**QUALITY**  
16  
**CHECKED**