

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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW01R CLIMB TO 2000 DIRECT COBOX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 186.73 INBOUND. DISTANCE TO THLD FROM 270 HAT: 0.58 NM. CHART VDP AT 1.10 MILES TO RW01R* *LNAV ONLY. WAAS CHANNEL # 87105 REFERENCE PATH ID: W01B CHART KMCF IN PLAN AND PROFILE VIEWS. LTP HAE: -19.6 M											
LAL VORTAC	MUWTY (FO)	248.19 / 31.16	3000												
MUWTY (IF/IAF)	ANAZE (FB)	006.73 / 6.01	2600												
ANAZE (FAF)	ZELTO/3.30 NM TO RW01R (FB)	006.73 / 3.50													
ZELTO/3.30 NM TO RW01R	RW01R (MAP) (FO)	006.73 / 3.30													
RW01R (MAP)	290 MSL	006.73													
290 MSL	COBOX (FO)		2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S MUWTY, RT, 006.73 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 006.73 FAF: ANAZE DIST FAF TO MAP: 6.80 THLD: 6.80 4. MIN. ALT: MUWTY 2600, ANAZE 2600, ZELTO/3.30 NM TO RW01R 1300* 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 INCPT: 2600 GS ALT AT: ANAZE 2600 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.50 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW01R 2700				MAG VAR: 5W 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	290	7/8	270	290	7/8	270	290	7/8	270		NA			NA	
LNAV/VNAV DA	491	1 3/8	471	491	1 3/8	471	491	1 3/8	471		NA			NA	
LNAV MDA	440	1	420	440	1	420	440	1 1/4	420	440	1 1/4	420	440	1 1/4	420
CIRCLING	560	1	534	560	1	534	680	1 3/4	654	980	3	954	980	3	954
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F). @ CAT D, E 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LAL VORTAC AIRWAY RADIALS 171 CW 330. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 26 TDZE: 20		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
TAMPA, FL		AIRPORT NAME: TAMPA INTL				RNAV (GPS) RWY 1R, AMDT 3 24 JULY 2014				AMDT: 2B					
										DATED 07/26/2012					

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

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NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 1L.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

TAMPA, FL

ELEVATION: 26

TDZE: 20

AIRPORT NAME:

TAMPA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1R, AMDT 3

24 JULY 2014

SUP:

AMDT: 2B

DATED: 07/26/2012

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

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPA
RUNWAY	RW01R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01B
LTP/FTP LATITUDE	275751.5170N
LTP/FTP LONGITUDE	0823144.3685W
LTP/FTP ELLIPSOIDAL HEIGHT	-00196
FPAP LATITUDE	275920.8180N
FPAP LONGITUDE	0823141.3295W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

9F1B9B75

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00053
FPAP ORTHOMETRIC HEIGHT	+00053

CITY AND STATE

TAMPA, FL

ELEVATION: 26

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AIRPORT NAME:

TAMPA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1R, AMDT 3

24 JULY 2014

SUP:

AMDT:

2B

DATED:

07/26/2012

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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTPAK7FR01R	ALAL	010LAL	K7D 0V	IF					18000		A JS	
SUSAP	KTPAK7FR01R	ALAL	020MUWTKYK7EA0EY	020TF		24820312		+ 03000				A JS	
SUSAP	KTPAK7FR01R	ALAL	030MUWTKYK7EA0EE	AR HF		00670070		+ 02600				A JS	
SUSAP	KTPAK7FR01R	R	010MUWTKYK7EA0E	I IF				+ 02600		18000		A JS	
SUSAP	KTPAK7FR01R	R	020ANAZEK7EA1E	F 051TF		00670060		+ 02600			RW01R K7PGA	JS	
SUSAP	KTPAK7FR01R	R	020ANAZEK7EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KTPAK7FR01R	R	021ZELTOK7EA0E	S 031TF		00670035		V 0130001310		-350		A JS	
SUSAP	KTPAK7FR01R	R	030RW01RK7PG0GY	M 031TF		00670033		00073		-350		A JS	
SUSAP	KTPAK7FR01R	R	040	0 M	CA	0067		+ 00290				A JS	
SUSAP	KTPAK7FR01R	R	050COBOXK7EA0EY	DF				+ 02000				A JS	
SUSAP	KTPAK7FR01R	R	060COBOXK7EA0EE	R HM		18670060		+ 02000				A JS	

[illegible][illegible]

CITY AND STATE TAMPA, FL	ELEVATION: 26	TDZE: 20	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 1R, AMDT 3	AMDT: 2B
	TAMPA INTL		RNAV	24 JULY 2014	DATED: 07/26/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
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	8	9	0	1	2	3	4	5	6	7	8	9	0
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	1	2	3	4	5	6	7	8	9	0	1	2	3
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	5	6	7	8	9	0	1	2	3	4	5	6	7
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
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	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2											

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LAL	LAL	010		IF		FB					
	LAL	MUWTY	020		TF		FO	2.0	248.2 (243.2T)	031.2	AA 03000	
	LAL	MUWTY	030	IAF	HF	R	FO		006.7 (001.7T)	007.0	AA 02600	
		MUWTY	010	FACF	IF		FB				AA 02600	
		ANAZE	020	FAF	TF		FB	0.5	006.7 (001.7T)	006.0	AA 02600	
		ZELTO	021	SDF	TF		FB	0.3	006.7 (001.7T)	003.5	AA 01300 GS 01310	
		RW01R	030	MAP	TF		FO	0.3	006.7 (001.7T)	003.3	AT 00073	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		006.7 (001.7T)		AA 00290	
	COBOX	050		DF		FO				AA 02000	
	COBOX	060		HM	R	FO		186.7 (181.7T)	006.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LAL	N275910.25	W0820050.01	N2759.171	W08200.834
	ANAZE	N275102.55	W0823158.27	N2751.043	W08231.971
	COBOX	N281321.55	W0823112.66	N2813.359	W08231.211
	MUWTY	N274501.17	W0823210.52	N2745.020	W08232.175
	ZELTO	N275432.90	W0823151.12	N2754.548	W08231.852
	RW01R	N275751.52	W0823144.37	N2757.859	W08231.740

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW01R	00018	55

CITY AND STATE TAMPA, FL	ELEVATION: 26	TDZE: 20	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 1R, AMDT 3 24 JULY 2014	SUP:
	AIRPORT NAME: TAMPA INTL				AMDT: 2B
					DATED: 07/26/2012