

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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.

AIRPORT SARASOTA/BRADENTON INTL	AIRPORT ID KSRQ	PROCEDURE NAME RNAV (GPS) RWY 4	ORIGINAL/AMENDMENT 2C	CITY SARASOTA/BRADENTON	STATE FL
AIRPORT ELEVATION 30	TDZE 23	SUPERSEDED RNAV (GPS) RWY 4	ORIGINAL/AMENDMENT 2B	DATED 09/15/2016	MAG VAR 5W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 15 AUGUST 2019	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND	EPOCH YEAR 2010

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SRQ VOR/DME		BAYDA		TF	FO	1.00	218.83	11.84	3000
VIOLA		WERPI		TF	FB	1.00	314.02	21.01	3000
WERPI	IAF	BAYDA	NOPT	TF	FB	1.00	333.04	5.00	3000
BAYDA	IF/IAF	CALCA		TF	FB	1.00	043.02	6.11	1700
CALCA	FAF	OSAXE/2.90 NM TO RW04		TF	FB	0.30	043.09	2.19	
OSAXE/2.90 NM TO RW04		RW04	MAP	TF	FO	0.30	043.09	2.90	
RW04	MAP	317 MSL		CA			043.09		
317 MSL		RITLE		DF	FB	1.00			
RITLE		PAIRS		TF	FO	1.00	018.39	8.01	3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT RITLE AND ON TRACK 018.39 TO PAIRS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD SW BAYDA, RT, 043.02 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 043.09 **FAF:** CALCA **DIST FAF TO MAP:** 5.09 **DIST FAF TO THLD:** 5.09
- 4. **MIN ALT:** BAYDA 3000, CALCA 1700, OSAXE/2.90 NM TO RW04 1000*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **294 HAT:** 0.75 **GS ANT:**
- 6. **MIN GP INCPT:** 1700 **GP ALT AT FAF :** CALCA 1700 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 57.0
- 8. **MSA FROM:** RW04 2800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 22 NA AT NIGHT.
 CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 43°C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SRQ VOR/DME ON Q100 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.10 NM TO RW04*
 *LNAV ONLY
 WAAS CHANNEL #99420
 REFERENCE PATH ID: W04A
 CHART FAS OBST: 158 CONTROL_TOWER 272336N/0823335W.
 HOLD SE, LT, 336.70 INBOUND
 LTP HAE: -17.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	317	1	294	317	1	294	317	1	294	317	1	294				
LNAV/VNAV DA	319	1	296	319	1	296	319	1	296	319	1	296				
LNAV MDA	420	1	397	420	1	397	420	1 1/8	397	420	1 1/8	397				
CIRCLING	500	1	470	500	1	470	500	1 1/2	470	580	2	550				



CHANGES - REASONS

1. AMENDED LPV DA/HAT FROM 273/250 TO 317/294 - INCORPORATED T-NOTAM 9/3243 INDICATING NEW CONTROLLING OBSTACLE, IN FINAL AND MISSED.
2. AMENDED LNAV/VNAV DA/HAT FROM 295/272 TO 319/296 - INCORPORATED T-NOTAM 9/3243 INDICATING NEW CONTROLLING OBSTACLE.
3. AMENDED LNAV MDA/HAT FROM 380/357 TO 420/397 - INCORPORATED T-NOTAM 9/3243 INDICATING NEW CONTROLLING OBSTACLE.
4. ADDED "CHART VDP AT 1.10 NM TO RW04", "LNAV ONLY" TO ADDITIONAL FLIGHT DATA - 20:1 PENETRATIONS CLEARED, VDP AUTHORIZED 8260.3D, 2-6-5.A.
5. AMENDED BOTH FEEDER ROUTES FROM RNP 2.00 TO 1.00 - UPDATED TO CURRENT CRITERIA.
6. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH" TO EQUIPMENT REQUIREMENT NOTES - 8260.19H, 8-6-8.B.(1).
7. AMENDED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 113 TREE 272319N/0823341W" TO "CHART FAS OBST: 158 CONTROL_TOWER 272336N/0823335W" - NEW OBSTACLE.
8. AMENDED LNAV CAT C/D VISIBILITY FROM "1 SM" TO "1 1/8 SM" - RAISED DUE TO HAT INCREASING FROM 357 TO 397.
9. AMENDED CRC REMAINDER FROM "E116C5D0" TO "B12E7912" - AMENDED AIRNAV LTP COORDINATES FROM 272323.9370N/0823327.5450W TO 272323.9475N/0823327.5325W.
10. AMENDED LTP AND FPAP ORTHOMETRIC HEIGHTS FROM "00066" TO "00067" - LTP THLD HEIGHT UPDATED IN NEW SURVEY.
11. REMOVED "CHART NOTE: NIGHT LANDING: RWY 4, 22 NA" - RWY 4 20:1 PENETRATIONS CLEARED, RWY 22 INCLUDED IN NEW CIRCLING NOTE.
12. ADDED "CHART NOTE: CIRCLING RWY 22 NA AT NIGHT" - RWY 22 HAS 20:1 PENETRATIONS.
13. AMENDED NOTE FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA" TO "CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - REMOVED 20:1 PENETRATIONS AND UPDATED VERBIAGE TO CURRENT WORDING.
14. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 43°C" - UPDATED TO CURRENT NOTATION PER 8260.19H, 8-6-9.S.
15. CHANGED DISTANCE TO THLD FROM "250 HATH: 0.61 NM" TO "294 HAT: 0.75 NM" - LPV HAT CHANGED DUE TO NEW CONTROLLING OBSTACLE.
16. CHANGED COURSE FROM OSAXE/2.90 NM TO RW04 FROM "043.10" TO "043.09" - SAME AS FAC.
17. CHANGED CA LEG ALTITUDE FROM "272 MSL" TO "317 MSL" - 8260.58A, 3-5-2.A.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** TAMPA APCH, KSRQ ATCT

FLIGHT CHECKED BY	<i>Digitally signed by</i>	OFFICE	DATE
MARC J HINCK	DAVID DANNER	FICO	5/15/19
	May 21, 2019		

DEVELOPED BY	<i>Digitally signed by</i>	OFFICE	DATE
DAVID DANNER (KELLY CARLSON)	DAVID DANNER	AJV-A421	02/01/2019
	May 21, 2019		

APPROVED BY	<i>Digitally signed by</i>	OFFICE	DATE	TITLE
MARLON ROBINSON	DAVID DANNER	AJV-A420		MANAGER
	May 21, 2019			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSRQ
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	272323.9475N
LTP/FTP LONGITUDE	0823327.5325W
LTP/FTP ELLIPSOIDAL HEIGHT	-00177
FPAP LATITUDE	272434.2300N
FPAP LONGITUDE	0823225.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B12E7912

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00067
FPAP ORTHOMETRIC HEIGHT	+00067

