

**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.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
SSF	RNAV (GPS) RWY 32	ORIG-E	SAN ANTONIO	TX	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
578	571	RNAV (GPS) RWY 32	04/22/2021	3E	2025
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
RNAV			CONCURRENT WITH VOR RWY 32 AMENDMENT 14D		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BRAUN		JABLO		TF	FB	1.00	195.11	39.91	3100
LEMIG		HALKE		TF	FB	1.00	004.91	8.71	3000
SOMER		HALKE		TF	FB	1.00	103.12	8.83	3000
JABLO	IAF	GANLE	NOPT	TF	FB	1.00	246.92	5.00	2500
HALKE	IAF	GANLE	NOPT	TF	FB	1.00	066.84	5.00	2500
GANLE	IF/IAF	FELMA		TF	FB	1.00	336.88	6.10	2500
FELMA	FAF	RW32	MAP	TF	FO	0.30	336.86	5.56	
RW32	MAP	978 MSL		CA			336.86		
978 MSL		KONLE		DF	FB	1.00			
KONLE		KICED		TF	FO	1.00	293.59		4100

MISSED APPROACH

MAP:

LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4100 DIRECT KONLE AND ON TRACK 293.59 TO KICED AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD SE GANLE, RT, 336.88 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	336.86	FAF:	FELMA	DIST FAF TO MAP:	5.56	DIST FAF TO THLD:	5.56							
4.	MIN ALT:	GANLE 2500, FELMA 2500													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		GS ANT:						
6.	MIN GP INCPT:		GP ALT AT FAF:						OM:		MM:		IM:		
7.	GP ANGLE:		34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:								
8.	MSA FROM:	RW32 4100													

PBN REQUIREMENTS NOTE:

RNP APCH-GPS.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING RWY 10 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRAUN ON V68 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LEMIG ON V550-568 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOMER ON V17 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

FAS OBST: 769 AAO 291641N/0982708W
HOLD NW, RT, 143.00 INBOUND.
CHART VDP AT 1.32 NM TO RW32.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.48 DEGREES.
FELMA TO RW32: 3.22/40.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LNAV MDA	1020	1	449	1020	1	449	1020	1 3/8	449		NA				
CIRCLING	1040	1	462	1120	1	542	1260	2	682		NA				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO FORM.
2. UPDATED ALL COURSES AND HEADINGS THAT ARE BASED ON THE AIRPORT DATA BY 5 DEGREES - KSSF MAGVAR CHANGE FROM 8E TO 3E.
3. TERMINAL ROUTES: UPDATED MISSED CA LEG (TO) AND DF LEG (FROM) FROM 977 TO 978 – AIRPORT ELEVATION CHANGED FROM 577 TO 578.
4. MISSED APPROACH INSTRUCTIONS: CHANGED FROM CLIMB TO 4100 DIRECT KONLE AND ON TRACK 288.59 TO KICED AND HOLD TO CLIMB TO 4100 DIRECT KONLE AND ON TRACK 293.59 TO KICED AND HOLD - KSSF AIRPORT MAGVAR UPDATED.
5. PROFILE VIEW LINE 2: CHANGED FROM HOLD SE GANLE, RT, 331.88 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000. TO HOLD SE GANLE, RT, 336.88 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000 - UPDATED KSSF AIRPORT MAGVAR.
6. PROFILE VIEW LINE 3: FAC CHANGED FROM 331.86 TO 336.86 - KSSF AIRPORT MAGVAR UPDATE.
7. PROFILE VIEW LINE 7: 20:1 CHANGED FROM IS NOT CLEAR TO IS CLEAR - NEW EVALUATION 20:1 IS CLEAR.
8. CHART PLANVIEW NOTE: CHANGED FROM STRAIGHT-IN RWY 32 NA AT NIGHT, CIRCLING RWY 9, 14, 32 NA AT NIGHT TO CIRCLING RWY 10 NA AT NIGHT - UPDATED 20:1'S.
9. CHANGED CHART NOTE: FROM RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 20:1'S REMOVED.
10. ADDITIONAL FLIGHT DATA: CHANGED FROM HOLD NW, RT, 138.00 INBOUND TO HOLD NW, RT, 143.00 INBOUND - UPDATED KSSF AIRPORT MAGVAR.
11. ADDITIONAL FLIGHT DATA: CHANGED FROM CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.49 DEGREES TO CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.48 DEGREES - NEW EVALUATION.
12. ADDITIONAL FLIGHT DATA: CHANGED FROM FELMA TO RW32: 3.23/40 TO FELMA TO RWRW32: 3.22/40 - NEW EVALUATION.
13. ADDITIONAL FLIGHT DATA: ADDED CHART VDP AT 1.32 NM TO RW32 - 20:1 CLEAR.
14. CHANGED ATLERNATE MINIMUMS FROM NA TO STANDARD NA WHEN LOCAL WEATHER NOT AVAILABLE - 8260.19J 8-6-12(B)4.
15. AIRPORT MAG VAR/EPOCH YEAR CHANGED FROM 8E/1980 TO 3E/2025 – SSF MAGVAR UPDATED.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZHU, SAT APP CON, AMGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
ALLAN WILL
Mar 03, 2025

OFFICE
DATE

DEVELOPED BY
RAYMOND JOHNSON

Digitally signed by
RAYMOND R JOHNSON
Feb 28, 2025

OFFICE
AJV-5423
DATE
11/29/2024

APPROVED BY
ALLAN WILL

Digitally signed by
ALLAN WILL
Mar 03, 2025

OFFICE
AJV-A423

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SSF	RNAV (GPS) RWY 32	ORIG-E	SAN ANTONIO	TX	578	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM BRAUN **TO** JABLO

RNP 1.00 **DISTANCE** 39.91 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-012261)	291612.00N/0981556.00W	2049	250	50	4D	1000					3100
TERRAIN	294830.00N/0980757.00W	1086 (1100)								AS1500	2600

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

FEEDER

FROM LEMIG **TO** HALKE

RNP 1.00 **DISTANCE** 8.71 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-009678)	290642.00N/0982618.00W	824	50	20	2C	1000				AT1176	3000
TERRAIN	291000.00N/0983203.00W	696 (700)								AS1500	2200

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

QUALITY
29
CHECKED

FEEDER

FROM

SOMER

TO

HALKE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	8.83										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-021151)	290932.85N/0982859.28W	949	250	50	4D	1000				AT1051	3000
TERRAIN	291055.60N/0983312.30W	815 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

JABLO

TO

GANLE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	5.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	291034.14N/0982343.86W	845	50	20	2C	1000				AT655	2500
TERRAIN	291034.14N/0982343.86W	645 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

HALKE

TO

GANLE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	5.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-009224)	290936.87N/0982506.05W	1049	250	50	4D	1000				AT451	2500
TERRAIN	291121.00N/0982912.00W	749 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

GANLE (IF/IAF)

TO

FELMA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.10										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-009224)	290936.87N/0982506.05W	1049	250	50	4D	500				AT951	2500
TERRAIN	291021.00N/0982712.00W	670 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

FELMA

TO

RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	5.56		RW32	449	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	291641.33N/0982708.24W	769	50	20	2C	250					1020

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL COURSE OFFSET TO AVOID NATIONAL HISTORICAL PARK.

HOLD-IN-LIEU OF PT

FROM

GANLE

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-5			

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-009224)	290936.87N/0982506.05W	1049	250	50	4D	1000				AT451	2500
TERRAIN	291021.00N/0982712.00W	670 (700)								AS1500	2200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW32

TO

KICED

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 920				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4100
TOWER (48-005142)	293639.00N/0985334.00W	3049	500	125	5E	1000					4100
TERRAIN	293624.00N/0985054.00W	1748 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (48-009528)	292023.09N/0983012.38W	1.30	462	727	20	3	1A	300			1040
CATEGORY B											
TANK (48-005287)	292048.87N/0983016.57W	1.83	542	802	20	3	1A	300			1120
CATEGORY C											
TOWER (48-007986)	292303.73N/0982719.21W	2.87	682	948	20	10	1B	300			1260

CIRCLING REMARKS:

MSA

CENTER

RW32

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (48-005142)	293639.00N/0985334.00W	304	27.9	3049	500	125	5E	1000			4100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

70' VEGETATION HEIGHT PER FPO.
TAA, LPV, LNAV/VNAV NOT DEVELOPED PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SAT APP CON, ZHU ARTCC, SSF TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SSF	24	SSF	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SAT	24	SAT	11.81	Y	60

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSSF 578, KSAT 802
RA = 59.6.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW10 - REIL, MIRL, PAPI-4L		NPI-G	
RW14 - REIL, MIRL, PAPI-2R		NPI-G	
RW28 - REIL, MIRL, PAPI-4L		NPI-G	
RW32 - REIL, MIRL, PAPI-4L		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	372
ON CENTERLINE	☐	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 10		
20:1			
603 TREE (48-167992) 292021.7900N/0982853.0200W (3.21)		578 TERRAIN (48-170500) 292019.8700N/0982848.4500W (0.06)	
FINAL TYPE	LNAV		
34:1			



<u>AIRPORT ID</u> SSF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> SAN ANTONIO	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 578	<u>FACILITY</u> RNAV
619 TREE (48-038832) 291947.8000N/0982744.2100W (24.23)			615 TREE (48-169677) 291948.5300N/0982744.2700W (22.11)			
614 TREE (48-118809) 291948.7200N/0982743.8000W (20.88)			614 TREE (48-169696) 291948.4900N/0982743.9000W (20.46)			
610 TREE (48-169498) 291950.1300N/0982743.7400W (20.23)			614 TREE (48-170832) 291948.0700N/0982743.9400W (19.49)			
605 TREE (48-167901) 291949.5100N/0982747.2400W (18.9)			613 TREE (48-168598) 291947.8700N/0982744.5400W (18.89)			
604 TREE (48-168857) 291949.6900N/0982747.4200W (18.6)			614 TREE (48-168893) 291947.5000N/0982744.2700W (18.59)			
612 TREE (48-168015) 291948.3700N/0982743.7900W (18.01)			601 TREE (48-168984) 291947.9700N/0982751.3000W (17.14)			
604 TREE (48-168460) 291948.6900N/0982747.7900W (16.71)			616 TREE (48-170493) 291947.0100N/0982742.3800W (16.59)			
598 TREE (48-168291) 291950.2000N/0982748.4700W (15.4)			607 TREE (48-168282) 291948.9100N/0982744.2600W (15.02)			
610 TREE (48-169461) 291947.4600N/0982743.8300W (13.84)			599 TREE (48-169761) 291949.1800N/0982748.3800W (13.78)			
619 POLE (48-169864) 291940.9800N/0982748.1700W (13.42)			599 POLE (48-169536) 291946.8900N/0982751.8500W (13.32)			
617 TREE (48-168346) 291944.5900N/0982743.0100W (12.61)			603 TREE (48-168499) 291945.5300N/0982750.9100W (12.6)			
612 TREE (48-168312) 291946.8600N/0982742.5700W (12.51)			597 TREE (48-168842) 291948.3500N/0982750.1100W (12.31)			
607 TREE (48-168016) 291947.5700N/0982744.6200W (12.28)			591 TREE (48-169884) 291948.5600N/0982753.7300W (12.18)			
608 TREE (48-169058) 291947.6600N/0982743.6500W (12.06)			617 POLE (48-168118) 291939.5500N/0982750.8800W (11.94)			
593 TREE (48-167861) 291951.0900N/0982747.7100W (11.46)			588 TREE (48-170108) 291951.4000N/0982750.4200W (11.22)			
620 POLE (48-169333) 291939.7700N/0982747.9800W (11.19)			587 TREE (48-170491) 291951.0300N/0982751.5500W (10.99)			
605 TREE (48-169676) 291948.5500N/0982743.2300W (10.62)			618 POLE (48-170757) 291939.5700N/0982749.1800W (10.47)			
587 TREE (48-170220) 291952.0500N/0982749.4800W (10.42)			589 TREE (48-168132) 291951.3800N/0982749.0200W (10.1)			
587 TREE (48-169463) 291952.8500N/0982747.9100W (10.05)			590 TREE (48-170821) 291950.8100N/0982749.0500W (9.75)			
596 POLE (48-030394) 291950.4200N/0982745.6200W (9.72)			584 TREE (48-168335) 291953.9600N/0982747.8600W (9.69)			
595 TREE (48-168157) 291948.4700N/0982749.3000W (9.4)			590 TREE (48-168397) 291951.8800N/0982747.0300W (9.38)			
591 TREE (48-168172) 291950.2800N/0982748.6900W (8.93)			585 TREE (48-169214) 291951.2400N/0982751.1400W (8.9)			
594 TREE (48-169309) 291946.2800N/0982753.2000W (8.82)			587 TREE (48-168183) 291950.8900N/0982750.1700W (8.61)			
590 TREE (48-170192) 291950.8600N/0982748.1900W (8.6)			594 TREE (48-169850) 291948.6900N/0982749.0000W (8.5)			
606 TREE (48-167781) 291947.7000N/0982742.4600W (8.4)			585 TREE (48-168469) 291950.9300N/0982751.3100W (8.39)			
587 TREE (48-168533) 291949.6300N/0982751.9900W (8.22)			584 TREE (48-169601) 291950.0800N/0982753.2700W (8.21)			
581 TREE (48-169885) 291953.7600N/0982748.8300W (7.64)			577 TREE (48-168994) 291953.6800N/0982751.5600W (7.48)			
595 POLE (48-030393) 291949.4300N/0982746.4100W (7.47)			602 TREE (48-169618) 291947.0800N/0982745.5400W (7.44)			
584 TREE (48-169001) 291951.5900N/0982750.2300W (7.41)			602 TREE (48-169822) 291942.9000N/0982752.3800W (7.35)			
589 TREE (48-169521) 291950.3500N/0982748.8100W (7.27)			590 TREE (48-169426) 291950.2500N/0982748.2400W (7.19)			
594 POLE (48-169620) 291949.9400N/0982746.0000W (7.11)			599 TREE (48-170470) 291944.3600N/0982751.8300W (7.1)			
668 TRANSMISSION_LINE (48-168796) 291920.4200N/0982744.6300W (6.93)			587 TREE (48-168116) 291950.5800N/0982749.3500W (6.64)			
600 TREE (48-169401) 291947.5500N/0982745.4800W (6.5)			607 POLE (48-170611) 291943.0000N/0982748.1500W (6.33)			
579 TREE (48-168507) 291954.0500N/0982748.6900W (6.14)			578 TREE (48-170120) 291952.7200N/0982751.4800W (6.02)			
575 TREE (48-170367) 291953.7500N/0982751.7700W (5.97)			589 TREE (48-168775) 291950.0800N/0982748.2200W (5.74)			



<u>AIRPORT ID</u> SSF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> SAN ANTONIO	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 578	<u>FACILITY</u> RNAV
599 TREE (48-168787) 291947.4200N/0982745.7000W (5.51)			609 TREE (48-168305) 291945.2500N/0982742.5300W (5.51)			
667 TRANSMISSION_LINE (48-005768) 291920.0000N/0982745.0000W (5.45)			598 TREE (48-168238) 291947.5900N/0982745.9600W (5.31)			
578 TREE (48-169909) 291953.9600N/0982748.9000W (5.23)			591 TREE (48-168433) 291949.4900N/0982747.4900W (5.22)			
588 TREE (48-168320) 291950.9800N/0982747.0000W (5.14)			586 TREE (48-167844) 291949.5800N/0982750.6300W (5.09)			
591 TREE (48-168432) 291949.8100N/0982746.7800W (4.95)			580 TREE (48-168131) 291953.6600N/0982747.8400W (4.93)			
577 TREE (48-170690) 291952.9000N/0982751.0900W (4.88)			594 TREE (48-170327) 291947.6200N/0982748.3100W (4.86)			
583 TREE (48-170388) 291951.4300N/0982749.4500W (4.86)			589 TREE (48-169755) 291950.0700N/0982747.5200W (4.68)			
582 TREE (48-168979) 291951.7900N/0982749.3000W (4.52)			581 TREE (48-168005) 291951.8900N/0982749.7800W (4.47)			
572 TREE (48-169600) 291953.4500N/0982753.2500W (4.42)			582 TREE (48-167717) 291951.2800N/0982750.0500W (4.38)			
572 TREE (48-168210) 291954.4700N/0982751.5300W (4.37)			582 TREE (48-170022) 291951.8900N/0982748.9900W (4.31)			
574 TREE (48-168066) 291953.5000N/0982751.7400W (4.31)			575 TREE (48-170118) 291953.0700N/0982751.7100W (4.21)			
569 TREE (48-168254) 291954.2600N/0982753.7500W (4.14)			591 TREE (48-169606) 291948.5200N/0982748.2200W (3.93)			
573 TREE (48-168622) 291953.5300N/0982752.0900W (3.9)			573 TREE (48-168985) 291953.2500N/0982752.5500W (3.9)			
599 TREE (48-168815) 291947.2400N/0982744.8800W (3.86)			594 POLE (48-169409) 291948.1600N/0982746.7300W (3.84)			
572 TREE (48-170464) 291953.7700N/0982752.3200W (3.83)			578 TREE (48-168954) 291953.4100N/0982748.7700W (3.7)			
582 TREE (48-167774) 291950.7300N/0982750.4200W (3.59)			597 TREE (48-168654) 291948.3300N/0982744.2500W (3.59)			
597 TREE (48-169036) 291947.9600N/0982744.8400W (3.56)			584 TREE (48-170529) 291951.7300N/0982747.3900W (3.55)			
582 TREE (48-168557) 291952.7900N/0982746.9700W (3.52)			577 TREE (48-168119) 291953.9500N/0982748.3900W (3.45)			
598 TREE (48-169672) 291947.2700N/0982745.1400W (3.31)			584 TREE (48-168490) 291950.0000N/0982750.0700W (3.28)			
569 TREE (48-168171) 291954.1200N/0982753.3600W (3.22)			590 POLE (48-169425) 291951.0000N/0982744.3100W (3.2)			
584 TREE (48-168804) 291950.6900N/0982748.8700W (3.19)			598 TREE (48-167730) 291948.3500N/0982743.2400W (3.14)			
596 TREE (48-169715) 291948.0300N/0982745.0900W (3.1)			583 TREE (48-168193) 291952.2700N/0982746.8000W (2.99)			
582 TREE (48-168573) 291952.5600N/0982746.9900W (2.98)			577 TREE (48-168580) 291953.6400N/0982748.5600W (2.95)			
580 TREE (48-168086) 291952.6100N/0982748.1900W (2.88)			584 TREE (48-170046) 291949.6300N/0982750.4100W (2.88)			
583 TREE (48-170155) 291949.8500N/0982750.7000W (2.85)			584 TREE (48-169205) 291951.5700N/0982747.1500W (2.8)			
582 TREE (48-167658) 291951.1000N/0982749.2300W (2.73)			582 TREE (48-170325) 291949.9000N/0982751.1900W (2.7)			
595 TREE (48-167744) 291947.5100N/0982746.2800W (2.59)			580 TREE (48-168288) 291951.6500N/0982749.5700W (2.58)			
603 TREE (48-168569) 291947.4300N/0982740.9900W (2.56)			598 TREE (48-169634) 291946.9300N/0982745.1400W (2.48)			
582 TREE (48-168916) 291951.5000N/0982748.3900W (2.46)			575 TREE (48-169071) 291954.2600N/0982748.5600W (2.46)			
578 TREE (48-168898) 291950.9300N/0982751.9200W (2.29)			581 TREE (48-167595) 291951.9800N/0982748.1400W (2.27)			
591 TREE (48-170777) 291945.4000N/0982752.2500W (2.27)			579 TREE (48-167632) 291951.5700N/0982750.1100W (2.18)			
580 TREE (48-168318) 291952.3400N/0982748.1500W (2.16)			582 TREE (48-170084) 291950.6000N/0982749.6700W (2.16)			
595 TREE (48-169963) 291945.9600N/0982748.5200W (2.11)			574 TREE (48-167656) 291953.9600N/0982749.4800W (2.09)			
570 TREE (48-169433) 291954.1700N/0982751.7700W (1.99)			569 TREE (48-169819) 291953.7200N/0982753.1700W (1.96)			
579 TREE (48-170750) 291952.4200N/0982748.5200W (1.91)			577 TREE (48-038394) 291951.3600N/0982751.6100W (1.89)			



<u>AIRPORT ID</u> SSF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> SAN ANTONIO	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 578	<u>FACILITY</u> RNAV
593 POLE (48-169791) 291947.6700N/0982746.8900W (1.88)			577 TREE (48-168380) 291951.4800N/0982751.4000W (1.87)			
580 TREE (48-170404) 291951.5400N/0982749.2600W (1.85)			569 TREE (48-168298) 291953.9300N/0982752.7200W (1.81)			
576 TREE (48-169410) 291952.2500N/0982750.7400W (1.77)			580 TREE (48-167937) 291950.4400N/0982751.0200W (1.77)			
575 TREE (48-169732) 291953.5900N/0982749.1200W (1.65)			592 TREE (48-169021) 291949.4800N/0982744.4000W (1.62)			
588 TREE (48-169999) 291947.6400N/0982750.0800W (1.53)			574 TREE (48-170781) 291953.3900N/0982749.9600W (1.41)			
583 TREE (48-170249) 291951.2000N/0982747.4800W (1.38)			587 TREE (48-168617) 291949.1800N/0982748.1100W (1.38)			
562 TRAVERSE_WAY (48-038835) 291955.0200N/0982755.3500W (1.37)			597 POLE (48-168646) 291945.4400N/0982747.5100W (1.35)			
582 TREE (48-168858) 291949.8600N/0982750.3200W (1.31)			582 TREE (48-168454) 291950.8900N/0982748.6000W (1.28)			
595 TREE (48-168579) 291947.1400N/0982746.0100W (1.28)			589 TREE (48-169585) 291948.2500N/0982748.2200W (1.27)			
580 TREE (48-168678) 291950.2200N/0982751.0500W (1.27)			585 TREE (48-168794) 291950.5800N/0982747.0700W (1.26)			
576 TREE (48-168378) 291952.4100N/0982750.1200W (1.25)			572 TREE (48-170488) 291952.4600N/0982752.7200W (1.22)			
580 TREE (48-170800) 291951.7900N/0982748.4200W (1.22)			583 TREE (48-168462) 291949.2200N/0982750.5400W (1.07)			
568 TREE (48-168834) 291954.1200N/0982752.5500W (1.02)			576 TREE (48-167895) 291953.4700N/0982748.1700W (0.95)			
579 TREE (48-168455) 291951.9400N/0982748.6600W (0.94)			581 TREE (48-169835) 291951.6600N/0982747.7500W (0.91)			
572 TREE (48-169188) 291952.5900N/0982752.2600W (0.86)			609 TREE (48-170448) 291940.7700N/0982746.7800W (0.85)			
569 TREE (48-170304) 291954.0600N/0982751.8200W (0.8)			583 TREE (48-169003) 291949.2600N/0982750.2800W (0.79)			
596 TREE (48-169277) 291947.8400N/0982743.8400W (0.78)			577 TREE (48-168684) 291950.8300N/0982751.7000W (0.72)			
585 TREE (48-170718) 291950.8600N/0982746.2200W (0.69)			596 TREE (48-168048) 291947.9100N/0982743.6300W (0.64)			
592 TREE (48-170702) 291947.6900N/0982746.6900W (0.64)			592 TREE (48-169365) 291943.8800N/0982752.9600W (0.6)			
580 TREE (48-170827) 291950.6000N/0982749.9100W (0.51)			574 TREE (48-169710) 291954.0500N/0982748.2000W (0.42)			
575 TREE (48-169475) 291953.4200N/0982748.5600W (0.41)			571 TREE (48-168235) 291954.0800N/0982750.1500W (0.37)			
569 TREE (48-169624) 291954.5000N/0982750.8000W (0.36)			580 TREE (48-167723) 291951.5900N/0982748.1600W (0.34)			
587 TREE (48-168278) 291949.2800N/0982747.2300W (0.32)			580 TREE (48-168920) 291949.8800N/0982750.9400W (0.28)			
580 TREE (48-168352) 291950.7500N/0982749.5000W (0.27)			569 TREE (48-167863) 291953.0300N/0982753.1500W (0.25)			
579 TREE (48-167908) 291951.6600N/0982748.6500W (0.24)			593 POLE (48-169795) 291946.8400N/0982747.1300W (0.21)			
590 TREE (48-170089) 291949.5700N/0982744.6500W (0.21)			592 ELECTRICAL_SYSTEM (48-168809) 291947.3300N/0982746.9900W (0.2)			
578 TREE (48-167681) 291951.0500N/0982750.3000W (0.19)			567 TREE (48-169313) 291953.6300N/0982753.4400W (0.14)			
572 TREE (48-169020) 291954.4500N/0982748.6600W (0.07)			578 TREE (48-170771) 291951.3100N/0982749.7700W (0.04)			
564 TREE (48-167840) 291954.4400N/0982754.0400W (0.01)			578 TREE (48-168867) 291952.1400N/0982748.3800W (0.01)			
PENETRATIONS REMARKS:						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY ALTIMETER NOTES FOR SAN ANTONIO INTL:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVE, USE SAT ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND CIRCLING CAT C VISIBILITY CAT C 1/4 SM.

VDP NA WHEN USING SAT ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.56
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	339.86
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	4.76
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.39
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	339.86
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	291959.03N/0982755.15W
ARP COORDINATES	292013.13N/0982815.76W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 10 DISTANCE 0.53 NM
FAF COORDINATES	291445.10N/0982543.75W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 372FT, ACTUAL COORDINATES: 291956.00N/0982752.76W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAYMOND JOHNSON	AJV-5423	11/29/2024	AERONAUTICAL INFORMATION SPECIALIST