

NAME: BRAUN STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 294846.18N/0980347.63W TYPE: WP. INT. DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

NAME **IDENT TYPE** CLASS MAG **TRUE** DME **DIST FROM FAC** MRA MAA **BRG BRG** NM FEET 055.99 063.99 SAN ANTONIO SAT **VORTAC** 23.12 23.12 17500 STONEWALL STV **VORTAC** 117.00 125.00 40.94 40.94 5500 17500

EXPANDED SERVICE VOLUME (ESV):

MIN ALTITUDE MAX ALTITUDE RADIAL/BEARING DISTANCE **FAC IDENT FAC TYPE** VORTAC R-117 41 5500 17500

FIX RESTRICTIONS: MRA V68 5500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

IDENT TYPE RAD/CRS/BRG **CRS** TURN LEG LENGTH HOLDING ALTITUDES TEMPLATES PAT DIR (LORR) TIME DME INBOUND MIN MAX MIN MAX WP S 159.89 339.89 3100 12000 10 5

CONTROLLING OBSTRUCTIONS:

PAT **AIRSPEED OBSTRUCTION COORDINATES ELEVATION ACCURACY CODE**

TOWER (48-001049) 294936.40N/0980700.00W 2C 2C 200 1728 TOWER (48-001049) 294936.40N/0980700.00W 310 1728

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PROCEDURE TITLE AIRPORT IDENT CITY **STATE** PAT RNAV (GPS) RWY 35 **NEW BRAUNFELS** KBAZ TX (US)

REMARKS:

SAN ANTONIO (FAC 1) AND STONEWALL (FAC 2) USED TO ESTABLISH FIX COORDINATES. PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V68	1, 2				(US)
IAP	RNAV (GPS) RWY 35		1	KBAZ	NEW BRAUNFELS	TX (US)
IAP	RNAV (GPS) RWY 32			KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KSAT	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KSKF	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. DELETED BRAUN (RNAV) STAR FROM KSAT, KRND, KSSF, AND KSKF FROM FIX USE.
2. CHANGED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.
3. DELETED KSAT RNAV (RNP) Z RWY 22, RNAV (RNP) Z RWY 31L, AND RNAV (RNP) Z RWY 4 FROM FIX USE.

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME: WILLIAM MELTON**

APPROVED BY: **DATE:** 08/10/2023 OFFICE: AJV-A420 **NAME: MARLON ROBINSON**

SIGNATURE:



NAME: FELMA STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 291445.10N/0982543.75W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING TYPE OF ACTION: NO CHANGE HOLDING:

FIX USE:

USE TITLE AIRPORT IDENT CITY **USE TYPE** IAP FAC PAT **STATE** SAN ANTONIO RNAV (GPS) RWY 32 KSSF TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 01/31/2019

REASON FOR REVISION:

DELETED KSSF R32 FROM FIX MAKE-UP FACILITIES.
DELETED REMARK KSSF R32 DISPLACED THRESHOLD COORDINATES: 291959.03N-0982755.16W.

UPDATED FIX USE.

DATE: **INITIATED BY: ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 **NAME: FRANK JACKSON**

APPROVED BY: **NAME: PATRICK MULQUEEN** DATE: OFFICE: AJV-5430

SIGNATURE:

DISTRIBUTION: NFDC

FPO: CEN ARTCC: ZHU

ATC FACILITY: SAT APP CON

OTHER:



NAME: GANLE STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 290900.55N/0982319.80W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING TYPE OF ACTION: MODIFY HOLDING:

PATTERNS:

LEG LENGTH HOLDING ALTITUDES TEMPLATES **IDENT TYPF** RAD/CRS/BRG **CRS** TURN PAT DIR (LORR) TIME DME INBOUND MAX MIN MAX MIN WP 2500 SE 156.88 336.88 6000 6

CONTROLLING OBSTRUCTIONS:

PAT AIRSPEED OBSTRUCTION **COORDINATES ELEVATION ACCURACY CODE**

TOWER (48-009224) 290936.87N/0982506.05W 1049

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE USE TITLE FAC PAT AIRPORT IDENT CITY **STATE** RNAV (GPS) RWY 28 RNAV (GPS) RWY 32 SAN ANTONIO IAP KSSF SAN ANTONIO

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. HOLDING PATTERN 1: CHANGED RAD/CRS/BRG FROM 151.88 TO 156.88 AND CRS INBOUND FROM 331.88 TO 336.88. 2. FIX USE: ADDED IAP RNAV (GPS) RWY 28 AT KSSF.

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME: RAYMOND JOHNSON**

APPROVED BY: DATE: 05/08/2025 OFFICE: AJV-A423 NAME: ALLAN WILL

SIGNATURE:



NAME: HALKE STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 290716.98N/0982841.42W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING TYPE OF ACTION: NO CHANGE HOLDING:

FIX USE:

USE TITLE AIRPORT IDENT CITY STATE TX (US) **USE TYPE** IAP FAC PAT SAN ANTONIO RNAV (GPS) RWY 32 KSSF

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 01/31/2019

REASON FOR REVISION:

1. DELETED GANLE FROM FIX MAKE-UP FACILITIES.

2. UPDATED FIX USE.

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 NAME: FRANK JACKSON

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC

FPO: CEN
ARTCC: ZHU
ATC FACILITY: SAT APP CON

OTHER:



NAME: JABLO STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 291043.90N/0981758.00W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING TYPE OF ACTION: NO CHANGE HOLDING:

FIX USE:

USE TITLE AIRPORT IDENT CITY STATE TX (US) **USE TYPE** IAP FAC PAT SAN ANTONIO RNAV (GPS) RWY 32 KSSF

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 01/31/2019

REASON FOR REVISION:

1. DELETED GANLE FROM FIX MAKE-UP FACILITIES.

2. UPDATED FIX USE.

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 NAME: FRANK JACKSON

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC

FPO: CEN
ARTCC: ZHU
ATC FACILITY: SAT APP CON

OTHER:



NAME: KICED STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 293838.17N/0990009.55W TYPE: WP

AIRSPACE DOCKET: 24-ASW-13 FIX TYPE OF ACTION: MODIFY

HOLDING TYPE OF ACTION: NO CHANGE HOLDING:

PATTERNS:

LEG LENGTH HOLDING ALTITUDES TEMPLATES **IDENT TYPF** RAD/CRS/BRG **CRS** TURN PAT DIR (LORR) TIME DME INBOUND MAX MIN MAX MIN NW WP 323.00 4100 143.00 6000 6

CONTROLLING OBSTRUCTIONS:

PAT AIRSPEED OBSTRUCTION **COORDINATES ELEVATION ACCURACY CODE**

TOWER (48-009890) 293711.97N/0990257.06W 3048

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE USE TITLE FAC PAT AIRPORT IDENT CITY **STATE** RNAV (GPS) RWY 34 RNAV (GPS) RWY 16 RNAV (GPS) RWY 32 IAP KCVB CASTROVILLE IAP **KSKF** SAN ANTONIO IAP KSSF SAN ANTONIO

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

TYPE: REMOVED DME.

AIRSPACE DOCKET: ADDED 24-ASW-13.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 (CSI) - FIX HAS NO GROUND BASED NAVAID USAGE. FIX USE: REMOVED V161. CHANGED KSKF RNAV (GPS) RWY 15 TO RWY 16. REQUIRED CHARTING: REMOVED CONTROLLER AND EN ROUTE LOW - ATC REQUEST.

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: **NAME: BARRY SMITH** AJV-A423

APPROVED BY: DATE: 07/03/2025 OFFICE: AJV-A423 **NAME: ALLAN WILL**

SIGNATURE:



NAME: KONLE STATE: TX COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292537.84N/0983017.10W **TYPE**: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPEUSE TITLEFACPATAIRPORT IDENTCITYSTATEIAPRNAV (GPS) RWY 32KSSFSAN ANTONIOTX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 01/31/2019

REASON FOR REVISION:

DELETED FIX MAKE-UP FACILITY KSSF R32.

DELETED REMARKS KSSF R32 DISPLACED THRESHOLD COORDINATES: 291959.03N-0982755.16W.

UPDATED FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 **NAME:** FRANK JACKSON

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC FPO: CEN

ARTCC: ZHU

ATC FACILITY: SAT APP CON

OTHER:



NAME: LEMIG STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 285837.91N/0983003.52W TYPE: WP. INT. DME

AIRSPACE DOCKET: 23-ASW-16 FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC NAME **IDENT TYPE** CLASS MAG **TRUE** DME **DIST FROM FAC** MRA MAA **BRG BRG** NM FEET **COTULLA** COT **VORTAC** 037.43 046.43 44.85 44.85 2500 17500 THREE RIVERS THX **VORTAC** 318.89 326.89 33.77 33.77 2000 17500 SAN ANTONIO **VORTAC** 17500 174.99 182.99 39.96 3000

EXPANDED SERVICE VOLUME (ESV):

RADIAL/BEARING MIN ALTITUDE **MAX ALTITUDE FAC TYPE DISTANCE FAC IDENT** COT VORTAC R-037 45 2500 5600

HOLDING TYPE OF ACTION: NO CHANGE **HOLDING:**

PATTERNS:

DIR **IDENT** TYPE RAD/CRS/BRG TURN LEG LENGTH HOLDING ALTITUDES TEMPLATES (L OR R) TIME DME INBOUND MIN MAX MIN MAX S SAT **VORTAC** 174.99 354.99 3000 14000 12

CONTROLLING OBSTRUCTIONS:

ELEVATION OBSTRUCTION COORDINATES ACCURACY CODE PAT AIRSPEED TOWER (48-008227) 285453.00N/0982644.00W 200 913 2C

230 TOWER (48-010040) 285700.00N/0983706.00W 990 5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T499					(US)
EN ROUTE	V161	1, 2, 3				(US)
EN ROUTE	V550	1, 2, 3				(US)
EN ROUTE	V568	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 14			0XA5	CAMPBELLTON	`TX´(US)
IAP	RNAV (GPS) RWY 32			KSSF	SAN ANTONIO	TX (US)
STAR	LEMIG` '	1, 2, 3	1	KSAT	SAN ANTONIO	TX (US)

REQUIRED CHARTING: STAR, IAP, EN ROUTE LOW, SPECIAL IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. DOCKET: ADDED "23-ASW-16"
2. FIX MAKE-UP: FAC 1 COTULLA COT VORTAC CLASS UPDATED FROM "L" TO "VL"
3. ESV: UPDATED COT VORTAC MAX ALTITUDE FROM "17500" TO "5600"

4. FIX USE: ADDED "EN ROUTE T499"; UPDATED RNAV (GPS) RWY 14 FROM "SPECIAL IAP" TO "IAP"

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME: HENRY BRADSHAW**

APPROVED BY: DATE: 10/31/2024 OFFICE: AJV-A423 NAME: ALLAN WILL

SIGNATURE:



NAME: SOMER STATE: TX **COUNTRY: US ICAO REGION CODE: K4**

LATITUDE/LONGITUDE: 290944.75N/0983822.47W TYPE: WP. INT. DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

NAME **IDENT TYPE** CLASS MAG **TRUE** DME **DIST FROM FAC** MRA MAA **BRG BRG** NM FEET **VORTAC** THREE RIVERS THX 318.89 326.89 47.03 47.03 3000 17500 SAN ANTONIO **VORTAC** 190.00 198.00 30.30 30.30 3000 17500 SAT

EXPANDED SERVICE VOLUME (ESV):

MAX ALTITUDE RADIAL/BEARING **DISTANCE MIN ALTITUDE FAC IDENT FAC TYPE** THX VORTAC R-319 48 3000 17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

CRS LEG LENGTH HOLDING ALTITUDES TEMPLATES PAT DIR **IDENT** TYPE RAD/CRS/BRG TURN (L OR R) TIME INBOUND DME MIN MAX MAX NW WP 320.89 140.89 3000 6000

CONTROLLING OBSTRUCTIONS:

OBSTRUCTION AIRSPEED COORDINATES ELEVATION ACCURACY CODE PAT

TOWER (48-007753) 291439.85N/0984428.08W 200 1211 5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

THREE RIVERS (FAC 1) AND SAN ANTONIO (FAC 2) USED TO ESTABLISH FIX COORDINATES. PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V161	1, 2				(US)
EN ROUTE	V17	1, 2				(US)
IAP	RNAV (GPS) RWY 34			KCVB	CASTROVILLE	TX (US)
IAP	NDB RWY 35	1, 2		23R	DEVINE	TX (US)
IAP	RNAV (GPS) RWY 34		1	KPEZ	PLEASANTON	TX (US)
IAP	RNAV (GPS) RWY 32			KSSF	SAN ANTONIO	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

1. FIX MAKE-UP FACILITY: FAC 1 MRA CHANGED FROM 4000 TO 3000FT - CHANGED TO MATCH ESV.

2. FIX USE: V17 AND V161 DECOMBINED - CORRECTED DOCUMENTATION ERROR.

3. REQUIRED CHARTING: FROM CONTROLLER TO CONTROLLER LOW - CORRECTED DOCUMENTATION ERROR. 4. FIX USE: V161/V17/NDB RWY 35 FAC POPULATED WITH FAC 1/2 - CORRECTED DOCUMENTATION ERROR.

5. ESV: FAC 1 MIN ALTITUDE CHANGED FROM 4000 TO 3000 - CHANGED TO MEET ESV.

INITIATED BY: DATE: **ORGANIZATION:** NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME: TODD DAMRON**

APPROVED BY: DATE: 04/20/2023 OFFICE: AJV-A423 NAME: ALLAN WILL

SIGNATURE: