

RADIO FIX AND HOLDING DATA RECORD

NAME: CUSUL

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 294742.16N/0984211.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE

RNAV (GPS) RWY 17

FAC

PAT

AIRPORT IDENT

K5C1

CITY

SAN ANTONIO

STATE

TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/31/2012

REASON FOR REVISION:

FIX MOVED 282 FT NORTH TO PFAF LOCATION.

DEVELOPED BY:

DATE: 12/20/2011

OFFICE: AJV-353

NAME: RODNEY RUMSEY

APPROVED BY:

DATE: 03/29/2012

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZHU

ATC FACILITY: SAT APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: EMEGY

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 294559.63N/0984159.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 17

FAC

PAT

AIRPORT IDENT
K5C1

CITY
SAN ANTONIO

STATE
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/31/2012

DEVELOPED BY: **DATE:** 11/29/2011

OFFICE: AJV-353

NAME: RODNEY RUMSEY

APPROVED BY: **DATE:** 03/29/2012

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 294824.91N/0985401.09W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	SAN ANTONIO	SAT	VORTAC	H	285.14	293.14	24.92	24.92	4100	17500
2	STONEWALL	STV	VORTAC	H	195.00	203.00		25.99	4100	17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	SAT	VORTAC	285.14	105.14	L	1-1 1/2		4100	17500	6	17
2	W		WP	285.14	105.14	L		5	4100	8000	6	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005697)	295027.00N/0984933.00W	3048	5E
2	200	TOWER (48-005697)	295027.00N/0984933.00W	3048	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST TO AVOID RANDOLPH MOA.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.
PAT 1-ATC DO NOT CHART.

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				TX (US)
IAP	RNAV (GPS) RWY 17		2	K5C1	SAN ANTONIO	TX (US)
IAP	RNAV (GPS) RWY 35		2	K5C1	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 13R			KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 22			KSAT	SAN ANTONIO	TX (US)
STAR	CENTERPOINT	1, 2		KSAT	SAN ANTONIO	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 03/02/2017

REASON FOR REVISION:

1. ADDED REMARK SAN ANTONIO (FAC 1) AND STONEWALL (FAC 2) USED TO ESTABLISH FIX COORDINATES.
2. CHANGED FIX USE KSAT RNAV (RNP) Z RWY 12R TO 13R.

DEVELOPED BY: **DATE:** 09/28/2016 **OFFICE:** AJV-5423 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** TONY LAWSON

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: SAT APP CON
OTHER: