

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.20 MILES AFTER NADBE INT/6.77 DME OR AT 1.57 DME FIX CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 025 AND ON SAT VORTAC R-040 TO SHEPE INT/SAT 18.36 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 025 FOR RADAR VECTORS. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 219.59 INBOUND. CHART FAS OBST: 908 BLDG 293018N/0982850W CHART A-635. CHART VDP AT 2.42 DME*; DISTANCE VDP TO THLD 0.85 MILES. *LOC ONLY.
TRAGO INT/21.61 DME (IAF)	HARDD INT/14.77 DME	036.78 / 6.84 (I-SAT)	3500	
HARDD INT/14.77 DME (IF)	RESOC INT/9.92 DME	036.78 / 4.85 (I-SAT)	3500	
RESOC INT/9.92 DME	NADBE INT/ 6.77 DME	036.78 / 3.15 (I-SAT)	2500	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT TRAGO INT/21.61 DME
3. FAC: 036.78 FAF: NADBE INT/ 6.77 DME DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: TRAGO 4000, HARDD 3500, RESOC 3500, NADBE 2500, ZINON/ 3.27 DME 1220*
5. DIST TO THLD FROM OM: - MM: - IM: 150 HAT: - 100 HAT: - GS ANT: 1287
6. MIN GS INCPT: 2500 GS ALT AT: NADBE 2500 OM: - MM: - IM:
7. GS ANGLE: 3.00 TCH: 56.4
8. MSA FROM: SAT VORTAC 225-315 4100, 315-225 3300

MAG VAR: 4E

EPOCH YEAR: 2015

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD		LOC: 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
S-ILS 4	986	4000	200	986	4000	200	986	4000	200	986	4000	200			
S-LOC 4	1220	4000	434	1220	4000	434	1220	5000	434	1220	5000	434			
CIRCLING	1300	1	491	1300	1	491	1320	1 1/2	511	1380	2	571			
ZINON FIX MINIMUMS (DME REQUIRED)															
S-LOC 4	1120	4000	334	1120	4000	334	1120	4000	334	1120	4000	334			
CIRCLING	1300	1	491	1300	1	491	1320	1 1/2	511	1380	2	571			

NOTES:
CHART NOTE: CIRCLING NA SOUTHWEST OF RWYS 12R AND 30L.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4. FOR INOPERATIVE MALS, INCREASE S-LOC 4 CAT D VISIBILITY TO 1 1/4. ZINON FIX MINIMUMS: FOR INOPERATIVE MALS, INCREASE S-LOC 4 CAT D VISIBILITY TO 1.

CITY AND STATE
SAN ANTONIO, TX

ELEVATION: 809 THRE: 786
AIRPORT NAME:
SAN ANTONIO INTL

FACILITY IDENTIFIER:
I-SAT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 4, AMDT 22
15 NOVEMBER 2012

SUP: ILS OR LOC RWY 3
AMDT: 21
DATED 07/02/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSATK4FI04	ATRAGO	010TRAGOK4EA0E	A	IF				+ 04000	18000		0	NS
SUSAP	KSATK4FI04	ATRAGO	020HARDDK4EA0E	B	TF				+ 03500			0	NS
SUSAP	KSATK4FI04	ATRAGO	030RESOCK4EA0EE		CF	ISATK4	2168009903680049PI		+ 03500			0	NS
SUSAP	KSATK4FI04	I	010RESOCK4EA0E	I	IF	ISATK4	21680099	PI	J	0350000250018000		0	NS
SUSAP	KSATK4FI04	I	020NADBEK4EA0E	F	CF	ISATK4	2168006803700032PI		H	0250002500	-300SAT	K4D	0
SUSAP	KSATK4FI04	I	030RW04 K4PGOGY	M	CF	ISATK4	2168001603700052PI			00842	-300		0
SUSAP	KSATK4FI04	I	040	0	M	CA		0368		+ 01700		0	NS
SUSAP	KSATK4FI04	I	050	0		VI		0250				0	NS
SUSAP	KSATK4FI04	I	060SHEPEK4EA0EY		CF	SAT K4	0396018403960030D			+ 03500		0	NS
SUSAP	KSATK4FI04	I	070SHEPEK4EA0EE	R	HM		2196T010			+ 03500		0	NS

[illegible][illegible]

CITY AND STATE SAN ANTONIO, TX	ELEVATION: 809 THRE: 786	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 3
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		I-SAT	15 NOVEMBER 2012	DATED: 07/02/2009

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[illegible]

QUALITY
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CITY AND STATE SAN ANTONIO, TX	ELEVATION: 809 THRE: 786	FACILITY IDENTIFIER: I-SAT	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 22 15 NOVEMBER 2012	SUP: ILS OR LOC RWY 3
	AIRPORT NAME: SAN ANTONIO INTL			AMDT: 21
				DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TRAGO	TRAGO	010	IAF	IF		FB				AA 04000	
	TRAGO	HARDD	020		TF		FB				AA 03500	
	TRAGO	RESOC	030		CF		FB		036.8 ()	004.9	AA 03500	
		RESOC	010	FACF	IF		FB				AA 03500 GI 02500	
		NADBE	020	FAF	CF		FB		037.0 ()	003.2	GI 02500 GS 02500	
		RW04	030	MAP	CF		FO		037.0 ()	005.2	AT 00842	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		036.8 ()		AA 01700	
		050		VI		FB		025.0 ()			
	SHEPE	060		CF		FO		039.6 ()	003.0	AA 03500	
	SHEPE	070		HM	R	FO		219.6 ()	T01.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SAT	N293838.51	W0982740.73	N2938.642	W09827.679
	ISAT (DME)	N293233.08	W0982658.86	N2932.551	W09826.981
	HARDD	N292122.05	W0983803.63	N2921.368	W09838.061
	NADBE	N292726.51	W0983205.32	N2927.442	W09832.089
	RESOC	N292503.15	W0983426.39	N2925.053	W09834.440
	SHEPE	N295102.19	W0981205.65	N2951.037	W09812.094
	TRAGO	N291609.73	W0984309.61	N2916.162	W09843.160
	RW04	N293123.64	W0982811.66	N2931.394	W09828.194
	ISAT (LOC)	N293235.07	W0982701.19	N2932.585	W09827.020

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00786	56

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SUP: ILS OR LOC RWY 3

AMDT: 21

DATED: 07/02/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSATK4FL04	ATRAGO 010	TRAGOK4EA0E	A	IF				+ 04000	18000			0	NS
SUSAP KSATK4FL04	ATRAGO 020	HARDDK4EA0E	B	TF				+ 03500				0	NS
SUSAP KSATK4FL04	ATRAGO 030	RESOCK4EA0EE		CF ISATK4	2168009903680049	PI		+ 03500				0	NS
SUSAP KSATK4FL04	L	010RESOCK4EA0E	I	IF ISATK4	21680099	PI		+ 03500	18000			0	NS
SUSAP KSATK4FL04	L	020NADBEK4EA0E	F	CF ISATK4	2168006803700032	PI		+ 02500			SAT	K4D	0
SUSAP KSATK4FL04	L	021ZINONK4EA0E	S	CF ISATK4	2168003303700035	PI		+ 01220			-301		0
SUSAP KSATK4FL04	L	030RW04 K4PG0GY	M	CF ISATK4	2168001603700017	PI					-301		0
SUSAP KSATK4FL04	L	040	0	M	CA		0368	+ 01700					0
SUSAP KSATK4FL04	L	050	0	VI			0250						0
SUSAP KSATK4FL04	L	060SHEPEK4EA0EY		CF SAT K4	0396018403960030	D		+ 03500					0
SUSAP KSATK4FL04	L	070SHEPEK4EA0EE	R	HM			2196T010	+ 03500					0

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CITY AND STATE SAN ANTONIO, TX	ELEVATION: 809 THRE: 786	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 22 15 NOVEMBER 2012	SUP: ILS OR LOC RWY 3
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SUSAP KSATK4IISAT1 010970RW04 N29323507W0982701190368N29313020W0982758061025 12870421300E00405600775

[illegible]

SUP:	ILS OR LOC RWY 3
AMDT:	21
DATED:	07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

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	TRAGO	HARDD	020		TF		FB				AA 03500	
	TRAGO	RESOC	030		CF		FB		036.8()	004.9	AA 03500	
		RESOC	010	FACF	IF		FB				AA 03500	
		NADBE	020	FAF	CF		FB		037.0()	003.2	AA 02500	
		ZINON	021	SDF	CF		FB		037.0()	003.5	AA 01220	
		RW04	030	MAP	CF		FO		037.0()	001.7	AT 00842	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		036.8()		AA 01700	
		050		VI		FB		025.0()			
	SHEPE	060		CF		FO		039.6()	003.0	AA 03500	
	SHEPE	070		HM	R	FO		219.6()	001.0	AA 03500	

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	TRAGO	N291609.73	W0984309.61	N2916.162	W09843.160
	ZINON	N293006.21	W0982928.01	N2930.104	W09829.467
	RW04	N293123.64	W0982811.66	N2931.394	W09828.194
	ISAT (LOC)	N293235.07	W0982701.19	N2932.585	W09827.020

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