

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, 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 in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM	TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: 5.87 NM AFTER ALAMO LOM/INT/I-ANT 7.43 DME OR AT I-ANT 1.56 DME CLIMB TO 3100 ON HEADING 128 AND SAT VORTAC R-160 TO EMBOW INT AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 214 AND CSI VORTAC R-138 TO TRAGO INT/46.88 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW TRAGO INT/46.88 DME, RT, 138.34 INBOUND. CHART FAS OBST: 929 TOWER 293312N/0983009W CHART A-635. CHART VDP AT 2.67 DME* DISTANCE VDP TO THLD 1.11 NM. *LOC ONLY. CHART IN PLANVIEW: TRAGO INT/46.88 DME.									
CSI VORTAC	REUBE INT/I-ANT 20.72 DME			104.78 / 25.75			4100												
SAT VORTAC	ALAMO LOM/INT/I-ANT 7.43 DME			241.00 / 6.07			4000												
STV VORTAC	REUBE INT/I-ANT 20.72 DME			177.97 / 27.19			4100												
REUBE INT/I-ANT 20.72 DME (IAF)	HASDO INT/I-ANT 13.66 DME (NOPT)			127.60 / 7.06 (I-ANT)			3200												
HASDO INT/I-ANT 13.66 DME (IF)	ALAMO LOM/INT/I-ANT 7.43 DME			127.60 / 6.23 (I-ANT)			2800												
1. PT <u> L </u> SIDE OF COURSE <u>307.60</u> OUTBOUND <u>3200</u> FT WITHIN <u>10</u> MILES OF <u>ALAMO LOM</u> (IAF) 2. _____ 3. FAC: <u>127.60</u> FAF: <u>ALAMO LOM/INT/I-ANT 7.43 DME</u> DIST FAF TO MAP: <u>5.87</u> THLD: <u>5.87</u> 4. MIN. ALT: <u>ALAMO LOM/INT/I-ANT 7.43 DME 2800, JUPAG/I-ANT 3.40 DME 1440*</u> 5. DIST TO THLD FROM OM: <u>5.87</u> MM: <u>-</u> IM: <u>775</u> 150 HAT: <u>-</u> 100 HAT: <u>805</u> GS ANT: <u>1195</u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>-</u> OM: <u>2770</u> MM: <u>-</u> IM: <u>910</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.7</u> 8. MSA FROM: <u>AN LOM 329-229 3200, 229-329 4100</u>																MAG VAR: 4E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: #		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 13R	1009	1800	200	1009	1800	200	1009	1800	200	1009	1800	200							
S-LOC 13R	1440	2400	631	1440	2400	631	1440	1 3/8	631	1440	1 3/8	631							
SIDESTEP 13L	1600	1	803	1600	1 1/4	803	1600	2 1/2	803	1600	2 1/2	803							
CIRCLING	1440	1	631	1440	1	631	1440	1 3/4	631	1440	2	631							
NOTES: CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 13R: CAT A, B, C, D, RA 104, RVR 1200, HAT 100, DA 909 MSL. CHART NOTE: CIRCLING NA W OF RWYS 4 AND 13R. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 13R CATS C AND D VISIBILITY TO 1 3/4 SM.																			
CITY AND STATE		ELEVATION: 809		TDZE: 13R 809		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS OR LOC RWY							
SAN ANTONIO, TX		AIRPORT NAME:		TDZE: 13L 797		I-ANT		ILS OR LOC RWY 13R, AMDT 14C; ILS RWY 13R (CAT II)				12R							
		SAN ANTONIO INTL						3/2/2017				AMDT: 14B							
												DATED 04/05/2012							



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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MINIMUMS CONT. 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
JUPAG FIX MINIMUMS															
S-LOC 13R	1240	2400	431	1240	2400	431	1240	4000	431	1240	4000	431			



CITY AND STATE SAN ANTONIO, TX	ELEVATION: 809 AIRPORT NAME: SAN ANTONIO INTL	TDZE: 13R 809 TDZE: 13L 797	FACILITY IDENTIFIER: I-ANT	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13R, AMDT 14C; ILS RWY 13R (CAT II) 3/2/2017	SUP: ILS OR LOC RWY 12R
					AMDT: 14B
					DATED: 04/05/2012