

U.S. Department of Transportation
Federal Aviation Administration

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: AT THE DH. LOC: 5.54 MILES AFTER GARYS.
CWK VORTAC	GARYS LOM/INT	215.05/33.26	3700	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3200 DIRECT GARYS LOM AND HOLD, OR WHEN DIRECTED BY ATC, CLIMB TO 2000, THEN CLIMBING RIGHT TURN TO 5000 VIA HEADING 315 AND STV VORTAC R-105 TO BETTI/36.52 DME AND HOLD E, RT, 285.00 INBOUND..
SAT VORTAC	GARYS	046.71/32.72	3500	
				ADDITIONAL FLIGHT DATA: HOLD NW, LT, 125.87 INBOUND FAS OBST: 1009 TREES 295701N/0975644W

1. PT R SIDE OF COURSE 305.87 OUTBOUND 3200 FT WITHIN 15 MILES OF GARYS (IAF)
2. _____
3. FAC: 125.87 FAF: GARYS DIST FAF TO MAP: 5.54 THLD: 5.54
4. MIN. ALT: GARYS 2700
5. DIST TO THLD FROM OM: 5.54 MM: _____ IM: _____ 150 HAT: - 100 HAT: - GS ANT: 1136
6. MIN GS INCPT: 2700 GS ALT AT: _____ OM: 2441 MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 57.0
8. MSA FROM: RU LOM 3100

CHART ALTERNATE MA HOLDING, HOLD E OF BETTI, RT, 285.00 INBOUND.

MAG VAR: 7E

EPOCH YEAR: 85

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X											
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 13	793	1/2	200	793	1/2	200	793	1/2	200	793	1/2	200	793	1/2	200	
S-LOC 13	1260	1/2	667	1260	1/2	667	1260	1 1/4	667	1260	1 1/2	667	1260	2	667	
CIRCLING	1260	1	663	1260	1	663	1260	1 3/4	663	1260	2	663	1280	2 1/2	683	

NOTES:

CHART NOTE: ADF REQUIRED.

CHART NOTE: CIRCLING CAT E NA SW OF RWY 13-31.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 13 CAT E VISIBILITY 1/4 MILE, AND S-LOC 13 CAT E 1/2 MILE.

CITY AND STATE SAN MARCOS, TX	ELEVATION: 597 TDZE: 593 AIRPORT NAME: SAN MARCOS MUNI	FACILITY IDENTIFIER: I-RUM	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: APR 15 2004 ILS OR LOC RWY 13, AMDT 6	SUP:
				AMDT: 5A
				DATE 3/29/94