

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KGSO	<u>PROCEDURE NAME</u> ILS OR LOC RWY 5L ILS RWY 5L (CAT II), ILS RWY 5L (CAT III)		<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> GREENSBORO	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 926	<u>TDZE</u> 916	<u>SUPERSEDED</u> ILS OR LOC RWY 5L ILS RWY 5L (CAT II), ILS RWY 5L (CAT III)	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 04/25/2019	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2010	
<u>FACILITY</u> I-LLG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 6 OCTOBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
GSO VORTAC		JEVEN INT/I-LLG 12.48 DME					241.11	8.19	2600
LIB VORTAC		JEVEN INT/I-LLG 12.48 DME					294.58	26.53	3700
JEVEN INT/I-LLG 12.48 DME	IF/IAF	CIVES INT/I-LLG 6.37 DME					053.98	6.10 (I-LLG)	2500

MISSED APPROACH

MAP:

ILS: DA
 LOC: 4.74 NM AFTER CIVES INT/I-LLG 6.37 DME OR AT I-LLG 1.64 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3100 ON HEADING 330 AND GSO VORTAC R-360 TO MAYOS INT/GSO 16.86 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3100 ON HEADING 360 AND ON LIB VORTAC R-332 TO MAYOS INT/LIB 36.06 DME AND HOLD.

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)				
2. HOLD SW JEVEN, RT, 053.98 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 4500.									
3. FAC:	053.98	FAF: CIVES INT/I-LLG 6.37 DME	DIST FAF TO MAP: 4.74		DIST FAF TO THLD: 4.74				
4. MIN ALT:	JEVEN INT/I-LLG 12.48 DME 2500, CIVES INT/I-LLG 6.37 DME 2500								
5. DIST TO THLD FROM OM:	MM:	IM: 860	100 HAT: 851	150 HAT:	GS ANT: 1186				
6. MIN GS INCPT:	2500	GS ALT AT PFAF :	CIVES INT/I-LLG 6.37 DME 2500		OM:	MM:			IM: 1017
7. GP ANGLE:	3.00	34:1:	20:1:	TCH: 55.0					
8. MSA FROM:	GSO VORTAC 4100								

QUALITY
10
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED FOR PROCEDURE ENTRY AT LIB VORTAC.

NOTES:

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 5L: CAT A, B, C, D, RA 113, RVR 1200, HAT 100, DA 1016 MSL.
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 5L: CAT A, B, C, D, RVR 600
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 5L CAT C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: LIB VORTAC R-332.
HOLD N, LT, 179.69 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MAYOS INT/LIB 36.06 DME, RT, 151.93 INBOUND.
CHART FAS OBST: 1049 TREE (37-134815) 360418N/0795931W.
CHART 1051 TOWER 360233N/0800108W.
CHART VDP AT 2.62 DME
DISTANCE VDP TO THLD 0.99 NM.
CHART IN PLANVIEW: MAYOS INT/LIB 36.06 DME.
CHART CIRCLING ICON.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 5L	1116	1800	200	1116	1800	200	1116	1800	200	1116	1800	200			
S-LOC 5L	1300	2400	384	1300	2400	384	1300	3500	384	1300	3500	384			
CIRCLING	1440	1	514	1440	1	514	1700	2 1/4	774	1700	2 1/2	774			

CHANGES - REASONS

REASON FOR PROJECT: INCORPORATED FDC 0/5828: 1049 MSL TREE (37-134815) 360418.17N / 0795931.27W (1A); INCREASED S-LOC 5L FROM MDA 1280/HAT 364 ALL CATS TO MDA 1300/HAT 384 ALL CATS - NEW SURVEY, CURRENT OBSTACLES.
CHANGED CHARTED FAS OBSTACLE FROM 1013 BUILDING 360507N / 0795819W TO 1049 TREE (37-134815) 360418N / 0795931W - CURRENT OBSTACLES.
CHANGED NOTE FROM "SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 5R" TO "SIMULTANEOUS APPROACH AUTHORIZED" - IAW 8260.19I, PARA 8-6-11.O.(8).(A).
REMOVED PROFILE NOTE "*LOC ONLY" - NO LONGER REQUIRED.
CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART VDP AT 2.53 DME" TO "CHART VDP AT 2.62 DME" - NEW S-LOC 5L MDA.
CHANGED ADDITIONAL FLIGHT DATA NOTE FOR DISTANCE VDP TO THLD FROM "0.89 NM" TO "0.99 NM" - NEW VDP LOCATION.
LOWERED S-LOC 5L CAT C/D VISIBILITY FROM RVR4000 TO RVR3500 - CURRENT VISIBILITY TABLE.



AIRPORT ID
KGSO

PROCEDURE NAME
ILS OR LOC RWY 5L
ILS RWY 5L (CAT II),
ILS RWY 5L (CAT III)

ORIGINAL/AMENDMENT
ORIG-D

CITY
GREENSBORO

STATE
NC

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** GSO APP CON, GSO ATCT, ZTL, ZDC

FLIGHT CHECKED BY
ERIC L GEYER

Digitally signed by
JASON KRETSCHMER
Aug 26, 2022

OFFICE
FPO

DATE
08/23/2022

DEVELOPED BY
DALE SICKELS

Digitally signed by
JASON KRETSCHMER
Apr 05, 2022

OFFICE
AJV-A421

DATE
12/16/2021

APPROVED BY
MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Apr 05, 2022

OFFICE
AJV-A420

DATE

TITLE
MANAGER

QUALITY
10
CHECKED