

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</u> PIEDMONT TRIAD INTL	<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-C	<u>CITY</u> GREENSBORO	<u>STATE</u> NC	
<u>AIRPORT ELEVATION</u> 926	<u>TDZE</u> 916	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 04/05/2012	<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> 25 APRIL 2019	<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 FAF :** 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



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 WITH RWY 5R.
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.
CHART CIRCLING ICON.
CHART IN PLANVIEW: MAYOS INT/LIB 36.06 DME
CHART VDP AT 2.53 DME*
DISTANCE VDP TO THLD 0.89 NM
* LOC ONLY
CHART FAS OBST: 1013 BUILDING 360507N/0795819W.
CHART: 1051 TOWER 360233N/0800108W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MAYOS INT/LIB 36.06 DME, RT, 151.93 INBOUND.
HOLD N, LT, 179.69 INBOUND

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 05L	1116	1800	200	1116	1800	200	1116	1800	200	1116	1800	200			
S-LOC 05L	1280	2400	364	1280	2400	364	1280	3500	364	1280	4000	364			
CIRCLING	1440	1	514	1440	1	514	1700	2 1/4	774	1700	2 1/2	774			

CHANGES - REASONS

1. ADDED INNER MARKER (IM) AND ASSOCIATED DATA TO PROCEDURE - PER FPT REQUEST AND LLG FACILITY DATA SHEET DOCUMENTATION.
2. CHANGED VDP DISTANCE FROM THRESHOLD FROM 0.97 NM TO 0.89 NM - COMPUTED IAW FAAO 8260.3D, FORMULA 2-6-5.
3. CHANGED VDP DME FROM LLG FROM 2.60 DME TO 2.53 DME - COMPUTED IAW FAAO 8260.3D, FORMULA 2-6-5.
4. ADDED NOTE: FOR INOPERATIVE ALS INCREASE S-LOC CAT C/D VISIBILITY TO RVR 5500 - IAW FAAO 8260.19H, PARA 8-6-11O(3)(D).
5. AMENDED S-LOC 5L CAT C RVR FROM 2400 TO 3500 - IAW FAAO 8260.3D, TABLE 3-3-1.
6. ADDED CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED. MINIMUMS AND CONTROLLING OBSTACLES MATCH FLIGHT INSPECTED ILS Y OR LOC Y RWY 32.
7. AMENDED CAT C CIRCLING MDA/HAA FROM 1440/514 TO 1700/774 AND VISIBILITY FROM 1 1/2 TO 2 1/4 - NEW CONTROLLING OBSTACLE IDENTIFIED IN LARGER CIRCLING AREA. VISIBILITY RECOMPUTED USING HIGHER HAA.
8. AMENDED CAT D CIRCLING MDA/HAA FROM 1480/554 TO 1700/774 AND VISIBILITY FROM 2 TO 2 1/2 - NEW CONTROLLING OBSTACLE IDENTIFIED IN LARGER CIRCLING AREA. VISIBILITY RECOMPUTED USING HIGHER HAA.
9. AMENDED S-LOC 5L CAT C ALTERNATE MINIMUMS FROM STANDARD TO 800-2 1/4 AND CAT D FROM STANDARD TO 800-2 1/2 - COMPUTED USING UPDATED CAT C/D CIRCLING MINIMUMS.
10. UPDATED DIST FROM THLD TO 100 FT HAT FROM 868 TO 851 - COMPUTED IN ACCORDANCE WITH FAAO 8260.3D, FORMULA 10-1-5.
11. DELETED PLANVIEW NOTE: USE OF GSO R-241 AND LIB R-295 MAY BE NECESSARY TO LOCATE JEVEN INT - NO LONGER REQUIRED.
12. INCORPORATED CHANGES FROM ORIG-A AND ORIG-B - IAW FAAO 8260.19H, PARA 8-3-4C(2).



AIRPORT

PIEDMONT TRIAD INTL

AIRPORT ID

KGSO

PROCEDURE NAME

ILS OR LOC RWY 5L
ILS RWY 5L CAT II,
ILS RWY 5L CAT III

ORIGINAL/AMENDMENT

ORIG-C

CITY

GREENSBORO

STATE

NC

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Jan 25, 2019

DEVELOPED BY

WARDELL HENNING (ANDRE MARSH)

Digitally signed by

WARDELL HENNING

Jan 25, 2019

OFFICE

AJV-5432

DATE

12/03/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Jan 25, 2019

OFFICE

AJV-5430

DATE

TITLE

MANAGER

