

**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 23R	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> GREENSBORO	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 926	<u>TDZE</u> 864	<u>SUPERSEDED</u> ILS OR LOC RWY 23R	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 03/26/2020	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-IDB	<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		HEVED INT/I-IDB 7.49 DME	FAF/IAF				039.35	10.30	3100
LIB VORTAC		HEVED INT/I-IDB 7.49 DME	FAF/IAF				335.62	25.15	3100

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: 5.84 NM AFTER HEVED INT/I-IDB 7.49 DME OR AT I-IDB 1.65 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 ON HEADING 015 AND GSO VORTAC R-360 TO MAYOS INT/GSO 16.86 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 ON HEADING 025 AND LIB VORTAC R-332 TO MAYOS INT/LIB 36.06 DME AND HOLD.

**PROFILE:**

1. PT L SIDE OF COURSE 053.99 OUTBOUND 3100 FT WITHIN 10 MILES OF HEVED INT (IAF)

2.

3. FAC: 233.99 FAF: HEVED INT/I-IDB 7.49 DME DIST FAF TO MAP: 5.84 DIST FAF TO THLD: 5.84

4. MIN ALT: HEVED INT/I-IDB 7.49 DME 2800

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1012

6. MIN GS INCPT: 2800 GS ALT AT PFAF: HEVED INT/I-IDB 7.49 DME 2800 OM: MM: IM:

7. GP ANGLE: 3.00 34:1 20:1 TCH: 55.0

8. MSA FROM: GSO VORTAC 4100

**EQUIPMENT REQUIREMENTS NOTES:**

QUALITY  
10  
CHECKED

**NOTES:**

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART PLANVIEW NOTE: USE OF GSO R-039 AND LIB R-336 MAY BE NECESSARY TO LOCATE HEVED INTERSECTION.

**ADDITIONAL FLIGHT DATA:**

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MAYOS INT/LIB 36.06 DME, RT, 151.93 INBOUND.

HOLD N, LT, 179.69 INBOUND.

CHART FAS OBST: 1022 TREE (37-134968) 360826N/0795428W.

CHART 1029 TOWER 361207N/0795000W.

CHART VDP AT 2.76 DME

DISTANCE VDP TO THLD 1.11 NM.

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 23R	1064	1800	200	1064	1800	200	1064	1800	200	1064	1800	200			
S-LOC 23R	1280	2400	416	1280	2400	416	1280	4000	416	1280	4000	416			
CIRCLING	1440	1	514	1440	1	514	1700	2 1/4	774	1700	2 1/2	774			

**CHANGES - REASONS**

REASON FOR PROJECT: INCORPORATED FDC 0/5822: 1022 MSL TREE (37-134968) 360825.75N / 0795428.13W (1A); INCREASED S-LOC 23R FROM MDA 1240/HAT 385 ALL CATS TO MDA 1280/HAT 416 ALL CATS AND CHANGED S-LOC CAT C VISIBILITY FROM RVR 2400 TO RVR 4000 - NEW SURVEY, CURRENT OBSTACLES, CURRENT VISIBILITY CRITERIA.

CHANGED TDZE FROM 855 TO 864 AND S-ILS DA FROM 1055 TO 1064 ALL CATS - CURRENT DATA.

CHANGED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM “; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 VIA HEADING 025 AND LIB VORTAC R-332 TO MAYOS INT/LIB 36.06 DME AND HOLD NW, RT, 151.93 INBOUND” TO “CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 ON HEADING 025 AND LIB VORTAC R-332 TO MAYOS INT/LIB 36.06 DME AND HOLD” - CURRENT CRITERIA FORMATTING.

CHANGED NOTE FROM “SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 5R” TO “SIMULTANEOUS APPROACH AUTHORIZED” - IAW 8260.19I, PARA 8-6-11.O.(8).(A).

DELETED NOTE “CHART: LOC RWY 23L” - NOT REQUIRED.

CHANGED NOTE FROM “CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MAYOS/LIB 36.10 DME, RT, 151.93 INBOUND” TO “CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MAYOS INT/LIB 36.06 DME, RT, 151.93 INBOUND” - CORRECTED CROSSING RADIAL HEADING AND ADDED INT FOR CHARTING.

CHANGED NOTE TO CHART VDP FROM “2.62 DME” TO “2.76 DME” - NEW MINS.

CHANGED ADDITIONAL FLIGHT DATA NOTE FOR DISTANCE VDP TO THLD FROM “0.97 NM” TO “1.11 NM” - NEW VDP LOCATION.

CHANGED CHARTED FAS OBSTACLE FROM 951 TREE 360733N / 0795548W TO 1022 TREE (37-134968) 360826N / 0795428W - CURRENT OBSTACLES.

ADDED 7:1 OBSTACLE NOTE “CHART 1029 TOWER 361207N/0795000W” - CURRENT OBSTACLES.

QUALITY  
10  
CHECKED

**AIRPORT ID**  
KGSO

**PROCEDURE NAME**  
ILS OR LOC RWY 23R

**ORIGINAL/AMENDMENT**  
ORIG-E

**CITY**  
GREENSBORO

**STATE**  
NC

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**  
MICHAEL W PENDERGRASS

*Digitally signed by*  
**JASON KRETSCHMER**  
Aug 26, 2022

**OFFICE**  
FPO

**DATE**  
07/28/2022

**DEVELOPED BY**  
DALE SICKELS

*Digitally signed by*  
**DALE P SICKELS**

**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

