

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 Z OR LOC Z RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> GREENSBORO	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 926	<u>TDZE</u> 902	<u>SUPERSEDED</u> ILS Z OR LOC/DME Z RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 10/06/2022	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-GFN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 18 MAY 2023	<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		LLINK/I-GFN 11.88 DME					123.49	10.79	3700
LIB VORTAC	IAF	LLINK/I-GFN 11.88 DME	NOPT				318.42	12.00	3700
LLINK/I-GFN 11.88 DME	IF/IAF	ULIDE INT/I-GFN 5.88 DME					325.22	5.87 (I-GFN)	2500

MISSED APPROACH

MAP:

ILS: DA
LOC: JEGEG/I-GFN 1.45 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3700 ON HEADING 307 AND GSO VORTAC R-332 TO FAMOV/GSO 13.24 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3700 DIRECT LIB VORTAC AND HOLD.

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE LLINK, RT, 325.22 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 14000.
3. FAF: 325.22 FAF: ULIDE INT/I-GFN 5.88 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.86
4. MIN ALT: LLINK/I-GFN 11.88 DME 3700, ULIDE INT/I-GFN 5.88 DME 2500, ZEPIX INT/I-GFN 3.02 DME 1600
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1006
6. MIN GS INCPT: 2500 GS ALT AT PFAF: ULIDE INT/I-GFN 5.88 DME 2500 OM: MM: IM:
7. GS ANGLE: 3.00 34:1: 20:1: TCH: 52.7
8. MSA FROM: GSO VORTAC 4100



EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE LIB VORTAC, RT, 236.00 INBOUND
CHART PLANVIEW NOTE: LOC OFFSET 2.06 DEGREES.
HOLD NW, RT, 151.67 INBOUND.
CHART FAS OBST: 1090 TOWER (37-002903) 360329N/0795431W.
CHART VDP AT 2.42 DME.
DISTANCE VDP TO THLD 1.40 NM.
FAC CROSSES RWY C/L EXTENDED 2573 FT FROM THLD.
CHART CIRCLING ICON.
FICTITIOUS THRESHOLD POINT (CFMLD) DO NOT CHART.

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

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 32	1152	3/4	250	1152	3/4	250	1152	3/4	250	1152	3/4	250			
S-LOC 32	1400	1	498	1400	1	498	1400	1 3/8	498	1400	1 3/8	498			
CIRCLING	1440	1	514	1440	1	514	1700	2 1/4	774	1700	2 1/2	774			

CHANGES - REASONS

1. PROCEDURE NAME: CHANGED FROM ILS Y OR LOC/DME Y RWY 32 TO ILS Y OR LOC Y RWY 32 - DME IS REQUIRED AND ANNOTATED IN EQUIPMENT REQUIREMENTS NOTE.
2. TERMINAL ROUTES: CHANGED LLINK/I-GFN 11.87 DME TO LLINK/I-GFN11.88 DME - DME DISTANCE MATCH 8260-2 DOCUMENTATION.
3. TERMINAL ROUTES: CHANGED ULIDE INT/I-GFN 5.87 DME TO ULIDE INT/I-GFN 5.88 DME - DME DISTANCE MATCH 8260-2 DOCUMENTATION.
4. PROFILE: LINE 3: FAF: CHANGED ULIDE DME DISTANCE FROM 5.87 TO 5.88 - DME DISTANCE MATCH 8260-2 DOCUMENTATION.
5. PROFILE: LINE 4: MIN ALT: CHANGED DME DISTANCES: LLINK FROM 11.87 TO 11.88, ULIDE FROM 5.87 TO 5.88, ZEPIX FROM 3.01 TO 3.02 - DME DISTANCE MATCH 8260-2 DOCUMENTATION.
6. PROFILE: LINE 6: MIN GS INCPT: GS ALT AT PFAF: ULIDE DME DISTANCE CHANGED FROM 5.87 TO 5.88 - DME DISTANCE MATCH 8260-2 DOCUMENTATION.
7. ADDITIONAL FLIGHT DATA: CHANGED NOTE: CHART VDP AT 1.40 DME TO CHART VDP AT 2.42 DME - CORRECT DOCUMENTATION.
8. ADDITIONAL FLIGHT DATA: CHANGED NOTE: DISTANCE VDP TO THLD 0.97 NM TO DISTANCE VDP TO THLD 1.40 NM - CORRECT DOCUMENTATION.



COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
JASON KRETSCHMER

DEVELOPED BY

STEVEN DOUGHERTY

Digitally signed by

STEVEN DOUGHERTY

OFFICE

AJV-A421

DATE

01/10/2023

Mar 29, 2023

APPROVED BY

JASON KRETSCHMER

Mar 21, 2023

Digitally signed by

JASON KRETSCHMER

OFFICE

AJV-A421

DATE

TITLE
MANAGER

Mar 29, 2023