

**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 Y OR LOC Y 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SUPERSEDED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 Y OR LOC/DME Y 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>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 235/25 CW 055/25	NOPT	LLINK	IF/IAF	3700
2. 055/25 CW 235/25		LLINK	IF/IAF	3700

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>
LLINK/11.88 DME	IF/IAF	ULIDE INT/5.88 DME					325.22	5.87 (I-GFN)	2500

MISSED APPROACH

MAP:

ILS: DA
LOC: JEGEG/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 3700 DIRECT LIB VORTAC AND HOLD

QUALITY
35
CHECKED

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. FAC: 325.22FAF: ULIDE INT/5.88 DMEDIST FAF TO MAP:DIST FAF TO THLD: 4.86
4. MIN ALT: LLINK/11.88 DME 3700, ULIDE INT/5.88 DME 2500, ZEPIX INT/3.02 DME 1600
5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT: 1006
6. MIN GS INCPT: 2500GS ALT AT PFAF : ULIDE INT/5.88 DME 2500OM:MM:IM:
7. GS ANGLE: 3.0034:1:20:1:TCH: 52.7
8. MSA FROM:

EQUIPMENT REQUIREMENTS NOTE:

RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.
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

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 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 FROM POINT FROM LLINK/I-GFN 11.87 DME TO LLINK/11.88 DME - NOT REQUIRED WHEN SAME FACILITY IS PROVIDING COURSE GUIDANCE, DME DISTANCE MATCH 8260-2 DOCUMENTATION.
3. TERMINAL ROUTES: CHANGED TO POINT FROM ULIDE INT/I-GFN 5.87 DME TO ULIDE INT/5.88 DME - NOT REQUIRED WHEN SAME FACILITY IS PROVIDING COURSE GUIDANCE, DME DISTANCE MATCH 8260-2 DOCUMENTATION.
4. MAP: CHANGED LOC: JEGEG/I-GFN 1.45 DME TO JEGEG/1.45 DME - NOT REQUIRED WHEN SAME FACILITY IS PROVIDING COURSE GUIDANCE.
5. PROFILE: LINE 3: FAF: CHANGED ULIDE DME DISTANCE FROM 5.87 TO 5.88 - DME DISTANCE MATCH 8260-2 DOCUMENTATION.
6. 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.
7. 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.
8. ADDITIONAL FLIGHT DATA: CHANGED NOTE: CHART VDP AT 1.40 DME TO CHART VDP AT 2.42 DME - CORRECT DOCUMENTATION.
9. 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

Mar 29, 2023

DEVELOPED BY

STEVEN DOUGHERTY

Digitally signed by

STEVEN DOUGHERTY

Mar 23, 2023

Digitally signed by

JASON KRETSCHMER

Mar 29, 2023

OFFICE

AJV-A421

DATE

01/10/2023

OFFICE

AJV-A421

DATE

TITLE
MANAGER

APPROVED BY

JASON KRETSCHMER