

**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.

AIRPORT ID GMU	PROCEDURE NAME ILS OR LOC RWY 1	ORIGINAL/AMENDMENT 32	CITY GREENVILLE	STATE SC
AIRPORT ELEVATION 1048	TDZE 1015	SUPERSEDED ILS OR LOC RWY 1	ORIGINAL/AMENDMENT 31	DATED 12/29/2022
FACILITY I-GMU	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 5W
				EPOCH YEAR 2000
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SPA VORTAC		JUDKY LOM	FAF/IAF				255.33	20.21	2900
SPRKI/RADAR	IAF	RIGYY/RADAR	NOPT				006.20 (I-GMU)	5.65	2500
RIGYY/RADAR	IF	JUDKY LOM					006.20 (I-GMU)	6.70	2300

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.61 NM AFTER JUDKY LOM

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2900 DIRECT JUDKY LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2900.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT L SIDE OF COURSE 186.20 OUTBOUND 2900 FT WITHIN 10 MILES OF JUDKY LOM (IAF)
-
- FAC: 006.20 FAF: JUDKY LOM DIST FAF TO MAP: 3.61 DIST FAF TO THLD: 3.61
- MIN ALT: JUDKY LOM 2300
- DIST TO THLD FROM OM: 3.61 MM: IM: 150 HAT: GS ANT: 849
- MIN GS INCPT: 2400 GS ALT AT PFAF: OM: 2175 MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 35.1
- MSA FROM: JUDKY LOM 030-210 3000, 210-030 5300



PBN REQUIREMENTS NOTE:

RADAR REQUIRED FOR PROCEDURE ENTRY AT SPRKI.

EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED.

NOTES:

CHART PROFILE NOTE: GS UNUSABLE BELOW 1216.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 1 ALL CATS.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 1 VISIBILITY CATS C/D TO 1 1/8 SM.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GSP ALTIMETER SETTING AND INCREASE DA TO 1248, INCREASE ALL MDAS 40 FEET AND CIRCLING CAT C VISIBILITY 1/4 SM.
 CHART NOTE: FOR INOPERATIVE ALS WHEN USING GSP ALTIMETER SETTING, INCREASE S-LOC 1 VISIBILITY CAT C/D TO 1 3/8 SM.
 CHART NOTE: WHEN USING GSP ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 1 ALL CATS.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: KGYH
 CHART AT OR ABOVE 2500 AT SPRKI/RADAR.
 HOLD S, RT, 006.20 INBOUND.
 CHART FAS OBST: 1167 TOWER (45-001318) 344722N/0822116W.
 CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN TOWER CLOSED.; LOC: STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN TOWER CLOSED.

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 01	1216	3/4	201	1216	3/4	201	1216	3/4	201	1216	3/4	201			
S-LOC 01	1420	3/4	405	1420	3/4	405	1420	1	405	1420	1	405			
CIRCLING	1620	1	572	1620	1	572	1780	2	732	1860	2 3/4	812			

CHANGES - REASONS

1. TERMINAL ROUTES: FEEDER CF LEG SPA VORTAC TO JUDKY LOM COURSE CHANGED FROM 236.08 TO 255.33. - SPA VORTAC RELOCATED
2. TERMINAL ROUTES: FEEDER CF LEG SPA VORTAC TO JUDKY LOM DISTANCE CHANGED FROM 25.80 TO 20.21. - SPA VORTAC RELOCATED
3. CHART NOTES REFERENCING GREER ALTIMETER SETTING CHANGED TO GSP ALTIMETER SETTING. - UPDATED FORMS TO CURRENT (LOCATION ID) DOCUMENTING CRITERIA



AIRPORT ID
GMU

PROCEDURE NAME
ILS OR LOC RWY 1

ORIGINAL/AMENDMENT
32

CITY
GREENVILLE

STATE
SC

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZTL, GSP APP CON, KGMU ATCT, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
BRYANT SMITH

OFFICE
AJV-A431

DATE
03/17/2025

APPROVED BY
ERIC N SUSKI

OFFICE
AJV-A431

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> GMU	<u>PROCEDURE NAME</u> ILS OR LOC RWY 1	<u>AMDT NO.</u> 32	<u>CITY</u> GREENVILLE	<u>STATE</u> SC	<u>AIRPORT ELEVATION</u> 1048	<u>FACILITY</u> I-GMU
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> SPA VORTAC	<u>TO</u> JUDKY LOM
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<u>RNP</u>	<u>DISTANCE</u> 20.21	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (45-024152)	345025.18N/0821826.94W	1280	20	3	1A	1000				XP580	2900
TERRAIN	345024.00N/0821830.00W	1194 (1200)								AS1500	2700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

TO ALLOW FOR OBSTACLE CLEARANCE OF PT MANUEVERING SEGMENT

INITIAL

<u>FROM</u> SPRKI/RADAR	<u>TO</u> RIGYY/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 5.65	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (45-000599)	343851.00N/0821612.00W	1849	100	20	3C	1000				SA-532 AT183	2500
TERRAIN	343942.00N/0822345.00W	912 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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FACILITY
I-GMU

INTERMEDIATE

FROM
RIGYY/RADAR

TO
JUDKY LOM

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
6.70

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (45-001682)	344105.00N/0822354.00W	1224	50	20	2C	500				AT576	2300
TERRAIN	344427.00N/0822306.00W	961 (1000)								AS1000	2000

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INTERMEDIATE: PT

FROM
10 NM

TO
JUDKY LOM

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
10.00

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (45-001086)	344148.96N/0821937.31W	1151	50	20	2C	500				AT649	2300
TERRAIN	344554.00N/0822151.00W	944 (900)								AS1000	1900

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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FINAL: ILS

FROM
GP INTCP

TO
RW01

RNP

DISTANCE
4.32

PAT

MAP
DA

HAT
201

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC			XP1	1216

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP - GLIDESLOPE UNUSABLE BELOW 1216 PER AFD.

FINAL: LOC

FROM
JUDKY LOM

TO
3.61 NM AFTER JUDKY LOM

RNP

DISTANCE
3.61

PAT

MAP
3.61 NM AFTER JUDKY LOM

HAT
405

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (45-001318)	344722.00N/0822116.00W	1167	20	3	1A	250					1420

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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MISSED APPROACH: LOC

FROM
3.61 NM AFTER JUDKY LOM

TO
JUDKY LOM

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1170

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2900
BUILDING (45-048252)	345116.95N/0822351.37W	1316	20	3	1A	1000					2400
TERRAIN	345024.00N/0821830.00W	1194 (1200)								AS1500	2700

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	345133.00N/0822012.00W	1.30	572	1288	215	8	4B	300		XP20	1620
CATEGORY B											
TREE	345133.00N/0822012.00W	1.84	572	1288	215	8	4B	300		XP20	1620
CATEGORY C											
TREE	345345.00N/0822248.00W	2.90	732	1367	215	8	4B	300		XP100	1780
CATEGORY D											
AAO	345430.00N/0822321.00W	3.79	812	1533	215	8	4B	300		XP20	1860

CIRCLING REMARKS:

CAT A, CAT B, CAT C, CAT D XP ADJUSTMENTS TO MAINTAIN CURRENT MINS.



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MSA

CENTER
JUDKY LOM

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
030-210	TWR (45-000600)	343418.00N/0820643.00W	142	17.2	1988	500	50	5D	1000			3000
210-030	TWR (45-000463)	350816.00N/0823630.00W	334	24.9	4240	500	125	5E	1000			5300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION UTILIZES 100 FT PLUS TERRAIN PER FPT.

GSP MVA AT SPRKI IS 2500 FEET.



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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZTL ARTCC, GSP APP CON, GMU TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	GMU	24	GMU	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	GSP	24	GSP	6.73	Y	32

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KGMU 1048, KGSP 933
RA = 31.7

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-GMU	KGMU ATCT	TOWER OPEN	1
		TOWER CLOSED	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
01H	H-E	
02H	H-E	
RW10 - MIRL	NPI-G	
RW19 - REIL (PCL), HIRL (PCL), PAPI-4L	NPI-G	
RW28 - REIL, MIRL, PAPI-2L	NPI-G	
RW01 - MALSF (PCL), HIRL (PCL), PAPI-4L	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	988.6	35.1	979.2	849	3.00	35.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 10	
20:1		
1000 SIGN (45-048248) 345051.12N/0822131.96W (3.29)		

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PENETRATION IS LIT AND ALLOWED BY CRITERIA.

FINAL TYPE CIRCLING RWY 28

20:1

1016 LIGHTING (45-024374) 345052.98N/0822044.56W (2.49)

1016 SIGN (45-024855) 345050.97N/0822044.56W (2.42)

1016 LIGHTING (45-024820) 345051.42N/W0822044.51W (2.27)

PENETRATIONS ARE LIT AND ALLOWED BY CRITERIA.

PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.88
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	001.20
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	10.61
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	001.20
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1000

THRESHOLD COORDINATES (IF STR-IN)

345025.82N/0822054.92W

ARP COORDINATES

345052.55N/0822059.99W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 19 DISTANCE 0.45 NM

FAF COORDINATES

344648.62N/0822100.43W

FIX NAME COORDINATES

IF SPRKI 343426.70N/0822119.20W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.



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FACILITY
I-GMU

PART E: PREPARED BY

NAME

BRYANT SMITH

OFFICE

AJV-A431

DATE

03/17/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

