

**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> SPA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 5	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> SPARTANBURG	<u>STATE</u> SC
<u>AIRPORT ELEVATION</u> 802	<u>TDZE</u> 802	<u>SUPERSEDED</u> ILS OR LOC RWY 5	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 06/15/2023
<u>FACILITY</u> I-SPA	<u>COORDINATES OF FACILITIES</u> 345528.20N/0815649.39W	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 5W
				<u>EPOCH YEAR</u> 1995
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SPA VORTAC		FREST INT/I-SPA 11.88 DME					228.15	10.28	2500
FREST INT/I-SPA 11.88 DME	IF/IAF	VETPY/I-SPA 5.07 DME					046.58 (I-SPA)	6.81	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: I-SPA 1.13 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT SPA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- HOLD SW FREST, RT, 046.58 INBOUND, 2500 IN LIEU OF PT (IAF), MAX 5200.
- FAC: 046.58 FAF: VETPY/I-SPA 5.07 DME DIST FAF TO MAP: DIST FAF TO THLD: 3.94
- MIN ALT: FREST INT/I-SPA 11.88 DME 2500, VETPY/I-SPA 5.07 DME 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 801
- MIN GS INCPT: 2100 GS ALT AT PFAF: VETPY/I-SPA 5.07 DME 2100 OM: MM: IM:
- GS ANGLE: 3.00 34:1 20:1 TCH: 50.0
- MSA FROM: SPA VORTAC 044-224 3000, 224-044 4700



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR LOC ONLY.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SPA VORTAC AIRWAY RADIALS 234 CW 266.

ADDITIONAL FLIGHT DATA:

CHART: SPA 10.3 DME AT FREST INT
HOLD S, RT, 014.00 INBOUND.
CHART FAS OBST: 917 ANTENNA (45-078450) 345326N/0815933W.
CHART VDP AT 2.13 DME.
DISTANCE VDP TO THLD 1.00 NM.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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 05	1002	3/4	200	1002	3/4	200	1002	3/4	200	1002	3/4	200			
S-LOC 05	1160	3/4	358	1160	3/4	358	1160	3/4	358	1160	3/4	358			
CIRCLING	1320	1	518	1320	1	518	1380	1 1/2	578	1420	2	618			

CHANGES - REASONS

- COORDINATES OF FACILITIES I-SPA CHANGED FROM "345528.08N/0815649.49W" TO "345528.20N/0815649.39W" - NEW AIRPORT SURVEY 2/20/25
- TERMINAL ROUTES FEEDER SPA VORTAC TO FREST INT/I-SPA 11.88 DME DISTANCE CHANGED FROM 17.80 NM TO 10.28 NM – SPA VORTAC RELOCATED 7.96 NM SOUTHWEST
- TERMINAL ROUTES FEEDER SPA VORTAC TO FREST INT/I-SPA 11.88 DME COURSE CHANGED FROM 211.93 TO 228.15 NM – SPA VORTAC RELOCATED 7.96 NM SOUTHWEST
- MISSED APPROACH CHANGED FROM "CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT SPA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" TO "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT SPA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000" – MISSED REDESIGNED DUE TO SPA VORTAC RELOCATED, ALTITUDES CHANGED PER ATC REQUEST, TURN DIRECTION CHANGED TO RIGHT TO AVOID CONFLICT WITH KGSP TRAFFIC PER ATC REQUEST.
- ALTERNATE MISSED APPROACH INSTRUCTIONS DELETED – PER ATC REQUEST NO LONGER UTILIZED OR REQUIRED
- PROFILE LINE 5: CHANGED FROM "GS ANT: 798" TO "GS ANT: 801" - NEW AIRPORT SURVEY
- PROFILE LINE 8 CHANGED FROM "SPA VORTAC 044-224 2900, 224-044 5200" TO "SPA VORTAC 044-224 3000, 224-044 4700" - SPA RELOCATION/NEW CONTROLLING OBSTACLES
- NOTES CHANGED FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SPA VORTAC AIRWAY RADIALS 231 CW 269" TO "PROCEDURE NA FOR ARRIVAL ON SPA VORTAC AIRWAY RADIALS 234 CW 266" – AIRWAY RADIALS CHANGED DUE TO SPA VORTAC RELOCATION AND SPA VORTAC MAGVAR UPDATE
- NOTES REMOVED "CHART NOTE" FOR INOP ALS, INCREASE S-LOC 5 CATS C/D VISIBILITY TO 1 SM" - INOPERATIVE TABLE APPLIES
- ADDITIONAL FLIGHT DATA REMOVED CHART CIRCLING ICON – NO LONGER REQUIRED
- ADDITIONAL FLIGHT DATA CHART FAS OBST CHANGED FROM "899 TREE 345359N/0815814W" TO "917 ANTENNA (45-078450) 345326N/0815933W" – NEW SURVEY AND FINAL CONTROLLING OBSTACLE
- ADDITIONAL FLIGHT DATA REMOVED "957 AAO 345119N/0820056W" – NO LONGER REQUIRED, NEW 7:1 AAO "ORDER 8260.3 CHAPTER 2 APPLIED TO 958 AAO 345118.00N/0820100.00W" NOTE ADDED TO BACK OF 8260-9 REMARKS
- ADDITIONAL FLIGHT DATA CHANGED FROM "CHART VDP AT 2.13 DME" TO "CHART VDP AT 2.13 DME" - * NO LONGER REQUIRED
- ADDITIONAL FLIGHT DATA REMOVED "LOC ONLY" – NO LONGER REQUIRED
- ADDITIONAL FLIGHT DATA ADDED "CHART: SPA 10.3 DME AT FREST INT" - REQUIRED TO ASSIST AIRCRAFT FLYING OUTBOUND ON SPA FEEDER IN LOCATING FREST AND CHANGING PCG SOURCE IAW 8260.19J 8-6-11
- EQUIPMENT REQUIREMENTS NOTE CHANGED FROM "DME ONLY" TO "DME REQUIRED FOR LOC ONLY" - IAW 8260.19J 8-6-9, A.(2)(C)



AIRPORT ID
SPA

PROCEDURE NAME
ILS OR LOC RWY 5

ORIGINAL/AMENDMENT
3

CITY
SPARTANBURG

STATE
SC

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZTL, GSP APP CON, CITY OF SPARTANBURG, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
CHARLES HIRST

OFFICE
AJV-A431

DATE
05/02/2025

APPROVED BY
CASEY HILL

OFFICE
AJV-A431

DATE
12/18/2025

TITLE
MANAGER



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SPA	ILS OR LOC RWY 5	3	SPARTANBURG	SC	802	I-SPA

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM SPA VORTAC **TO** FREST INT/I-SPA 11.88 DME

RNP DISTANCE PAT MAP HAT HMAS
10.28

<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 (45-002423)	345113.72N/0815521.10W	1072	50	20	2C	1000				AT428	2500
TERRAIN	345536.00N/0820000.00W	892 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM FREST INT/I-SPA 11.88 DME (IF/IAF) **TO** VETPY/I-SPA 5.07 DME

RNP DISTANCE PAT MAP HAT HMAS
6.81

<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>
AAO	344854.00N/0820736.00W	1070	215	8	4B	500				AS530	2100
TERRAIN	344854.00N/0820736.00W	869 (900)								AS1000	1900

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
SPA

PROCEDURE NAME
ILS OR LOC RWY 5

AMDT NO.
3

CITY
SPARTANBURG

STATE
SC

AIRPORT ELEVATION
802

FACILITY
I-SPA

MISSED APPROACH: LOC

FROM
I-SPA 1.13 DME

TO
SPA VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
910

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (45-001852)	345126.00N/0815446.00W	1198	500	50	5D	1000					2200
TERRAIN	345815.00N/0815818.00W	902 (900)								AS1500	2400

COMPUTATIONS

ALT **CIAS** **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											
TOWER (45-000200)	345405.02N/0815907.43W	1.30	518	1004	20	3	1A	300			1320
CATEGORY B											
TOWER (45-000200)	345405.02N/0815907.43W	1.83	518	1004	20	3	1A	300			1320
CATEGORY C											
BUILDING (45-000845)	345659.83N/0815541.50W	2.88	578	1075	20	3	1A	300			1380
CATEGORY D											
AAO	345851.00N/0815836.00W	3.77	618	1109	215	8	4B	300			1420

CIRCLING REMARKS:

MSA

CENTER **RADIUS**
SPA VORTAC 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
044-224	TOWER (45-000600)	343418.00N/0820643.00W	206	21.2	1988	500	50	5D	1000			3000
224-044	TOWER (45-000287)	351012.71N/0821725.80W	322	22.4	3675	250	50	4D	1000			4700

MSA REMARKS:



AIRPORT ID
SPA

PROCEDURE NAME
ILS OR LOC RWY 5

AMDT NO.
3

CITY
SPARTANBURG

STATE
SC

AIRPORT ELEVATION
802

FACILITY
I-SPA

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

GSP APP CON, ZTL ARTCC, AND FSS

WX SERVICE
AWOS-3

LOCATION
SPA

HRS OPERATION
24

ALTIMETER SOURCE
SPA

DISTANCE

WMSCR
Y

ADJUSTMENTS
0

BACK-UP WX SERVICE
ASOS

LOCATION
GSP

HRS OPERATION
24

ALTIMETER SOURCE
GSP

DISTANCE
13.23

WMSCR
Y

ADJUSTMENTS
49

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSPA 802, KGSP 933
RA = 48.8.

PRIMARY NAVAID
I-SPA

MONITOR POINT
AOCC

HRS OPERATION
24

CAT
1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - MALSR (PCL), HIRL (PCL), PAPI-4R (PCL)	PIR-G	
RW23 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
794.5

TCH
50.0

ELEV GS ANTENNA
793.8

DISTANCE FROM RWY
801

VGSI ANGLE
3.00

TCH
45.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPT.

FOR BACKUP ALTIMETER USE:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT AVAILABLE, USE GSP ALTIMETER SETTING: INCREASE DA TO 1051 FEET; INCREASE ALL MDAS 60 FEET AND INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 SM.

VISIBILITY TABLES ALLOW ILS/LOC VISIBILITY 1/2 SM, FPT/AIRPORT REQUESTS NO LOWER THAN 3/4 SM DUE TO INSUFFICIENT DISTANCE BETWEEN PARALLEL RUNWAY AND TAXIWAY.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING GSP ALTIMETER SETTING, INCREASE S-LOC 5 CAT C/D VISIBILITY TO 1 1/8 SM.

CHART NOTE: VDP NA WHEN USING GSP ALTIMETER SETTING.

NOTE REGARDING BACKUP ALTIMETER - THE CITY NAME FOR GREENVILLE SPARTANBURG INTL AIRPORT IS "GREER", HOWEVER USING THE CITY NAME IN THIS CASE WOULD SEEM TO LEAD TO UNNECESSARY CONFUSION AS THE AIRPORT IS LIKELY NOT OFTEN REFERRED TO AS "GREER".
ORDER 8260.3 CHAPTER 2 APPLIED TO 958 AAO 345118.00N/0820100.00W.

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	3.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.87
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	041.58
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	10.55
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	041.58
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

345437.41N/0815744.09W

ARP COORDINATES

345459.06N/0815720.78W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 23 DISTANCE 0.48 NM

FAF COORDINATES

345140.15N/0820054.87W

FIX NAME COORDINATES

IF FREST 344633.78N/0820623.99W

REMARKS



AIRPORT ID
SPA

PROCEDURE NAME
ILS OR LOC RWY 5

AMDT NO.
3

CITY
SPARTANBURG

STATE
SC

AIRPORT ELEVATION
802

FACILITY
I-SPA

PART E: PREPARED BY

NAME

CHARLES HIRST

OFFICE

AJV-A431

DATE

05/02/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

