

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

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> KSPA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SPARTANBURG	<u>STATE</u> SC		
<u>AIRPORT ELEVATION</u> 802	<u>TDZE</u> 802	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 05/25/2017	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> 06/17/2021	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 317/30 CW 137/30	NOPT	317/7 CW 137/7		6000
2. 317/7 CW 137/7		FREST	IF/IAF	2500
3. 137/30 CW 227/30		137/7 CW 227/7		7100
4. 137/7 CW 227/7		GRWIG	IAF	4100
5. 227/30 CW 317/30		REGGY	IAF	2700

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GRWIG	IAF	FREST	NOPT	TF	FB	1.00	136.44	8.50	2500
REGGY	IAF	FREST	NOPT	TF	FB	1.00	316.59	8.50	2500
FREST	IF/IAF	VETPY		TF	FB	1.00	046.51	6.81	2100
VETPY	FAF	RW05	MAP	TF	FO	0.30	046.55	3.94	
RW05	MAP	1002 MSL		CA			046.55		
1002 MSL		MUCEE		DF	FO	1.00			2800



**MISSED APPROACH****MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW05

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2800 DIRECT MUCEE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:****PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW FREST, RT, 046.51 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	046.55	FAF: VETPY	DIST FAF TO MAP: 3.94		DIST FAF TO THLD: 3.94
4. MIN ALT:	FREST 2500, VETPY 2100				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.49	GS ANT:
6. MIN GP INCPT:	2100	GP ALT AT FAF :	VETPY 2100	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 50.0	IM:
8. MSA FROM:					

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON  
HOLD NE, RT, 226.67 INBOUND.  
CHART FAS OBST: 1004 TOWER 345405N/0815907W.  
CHART VDP AT 1.32 NM TO RW05\*  
\*LNAV ONLY.  
WAAS CHANNEL # 61226  
REFERENCE PATH ID: W05A  
LTP HAE: 210.8 M



**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	1002	1/2	200	1002	1/2	200	1002	1/2	200	1002	1/2	200			
LNAV/VNAV DA	1260	7/8	458	1260	7/8	458	1260	7/8	458	1260	7/8	458			
LNAV MDA	1260	1/2	458	1260	1/2	458	1260	7/8	458	1260	7/8	458			
CIRCLING	1320	1	518	1320	1	518	1380	1 1/2	578	1420	2	618			



**CHANGES - REASONS**

THIS AMENDMENT INCORPORATES PRIOR P-NOTAM CHANGES.

- AIRPORT ELEVATION CHANGED FROM 801 TO 802 - UPDATED SURVEY DATA.
- TDZE CHANGED FROM 801 TO 802 - UPDATED SURVEY DATA.
- TAA STRAIGHT-IN AREA CHANGED FROM 337 CW 116 TO 317 CW 137 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TAA STRAIGHT-IN AREA MINIMUM ALTITUDE CHANGED FROM 4600 TO 6000 - NEW CONTROLLING OBSTACLE DUE TO REVISED AREA.
- TAA STRAIGHT-IN STEPDOWN AREA CHANGED FROM 337 CW 116 TO 317 CW 137 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TAA LEFT BASE AREA CHANGED FROM 116 CW 227 TO 137 CW 227 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TAA LEFT BASE STEPDOWN AREA CHANGED FROM 116 CW 227 TO 137 CW 227 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TAA LEFT BASE STEPDOWN AREA MINIMUM ALTITUDE CHANGED FROM 4600 TO 4100 - NEW CONTROLLING OBSTACLE DUE TO REVISED AREA.
- TAA RIGHT BASE AREA CHANGED FROM 227 CW 337 TO 227 CW 317 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TERMINAL ROUTE, GRWIG TO FREST COURSE CHANGED FROM 116.42 TO 136.44 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TERMINAL ROUTE, REGGY TO FREST COURSE CHANGED FROM 336.56 TO 316.59 - CONFIGURATION CHANGED FROM "Y" TO "T" DUE TO 8260.58A REQUIREMENT.
- TERMINAL ROUTE FREST TO VETPY DISTANCE CHANGED FROM 6.80 TO 6.81 - FAF RELOCATED DUE TO CHANGE IN ILS TCH.
- TERMINAL ROUTE VETPY TO RW05 COURSE/DISTANCE CHANGED FROM 046.56/3.95 TO 046.55/3.94 - FAF RELOCATED DUE TO CHANGE IN ILS TCH, COURSE RECALCULATED.
- TERMINAL ROUTE RW05 TO 993 MSL CHANGED TO 1002 MSL, COURSE CHANGED FROM 046.56 TO 046.55 - TDZE USED INSTEAD OF THRE, COURSE CHANGED TO MATCH FINAL APPROACH SEGMENT.
- TERMINAL ROUTE 993 MSL TO MUCEE CHANGED TO 1002 MSL, TDZE USED INSTEAD OF THRE.
- PROFILE SECTION, LINE 2, ADDED MAXIMUM HOLDING ALTITUDE - 8260.19H REQUIREMENT.
- PROFILE SECTION, LINE 3, FAC CHANGED FROM 046.56 TO 046.55 - RECALCULATION WITH NEW FAF LOCATION.
- PROFILE SECTION, LINE 3, DIST FAF TO MAP AND FAF TO THLD CHANGED FROM 3.95 TO 3.94 - NEW FAF LOCATION.
- PROFILE SECTION, LINE 5, ADDED DIST TO THLD FROM 200 HAT - 8260.19H REQUIREMENT.
- PROFILE SECTION, LINE 7, ADDED "20:1 IS CLEAR" - 8260.19H REQUIREMENT.
- PROFILE SECTION, LINE 7, CHANGED TCH FROM 48.6 TO 50.0 - GLIDESLOPE RELOCATION AND NEW DESIGN TCH USED.
- CHART NOTE "DME/DME RNP-0.3 NA" REPLACED BY PBN REQUIREMENTS NOTE "RNP APCH" - 8260.19H REQUIREMENT.
- BARO-VNAV NOTE, REMOVED FAHRENHEIT VALUES - NO LONGER REQUIRED BY 8260.19H.
- BARO-VNAV NOTE, CHANGED MAX TEMPERATURE FROM 39C TO 54C - REVISED CALCULATIONS WITH INCREASED CAT D MAXIMUM GLIDEPATH ANGLE.
- ADDED VGSI NON-COINCIDENCE NOTE - VGSI AND RNAV GLIDEPATH TCH NOW DIFFER BY 4.8 FT.
- REMOVED BACKUP ALTIMETER NOTES - PLACED ON FORM 8260-9 DUE TO 8260.19H REQUIREMENT.
- ADDITIONAL FLIGHT DATA, ADDED CIRCLING ICON - NEW CIRCLING AREAS APPLIED.
- ADDITIONAL FLIGHT DATA, UPDATED FAS OBSTACLE - NEW OBSTACLE DATA.
- ADDITIONAL FLIGHT DATA, REMOVED DISTANCE TO THLD FROM 200 HATH - HATH NO LONGER USED.
- ADDITIONAL FLIGHT DATA, VDP CHANGED FROM 1.38 NM TO 1.32 NM - RECALCULATION.
- LTP HAE CHANGED FROM 210.2M TO 210.8M - NEW SURVEY DATA.
- LPV DA CHANGED FROM 1001 TO 1002 - TDZE VALUE UPDATED.
- LNAV/VNAV DA/HAT CHANGED FROM 1339/538 TO 1260/458 - 8260.58A PROVISION FOR LNAV/VNAV DA TO NOT BE HIGHER THAN LNAV MDA, NEW TDZE.
- LNAV/VNAV VIS CHANGED FROM 1 3/8 TO 7/8 - RECALCULATION WITH NEW DA.
- LNAV MDA/HAT CHANGED FROM 1280/479 TO 1260/458 - NEW CONTROLLING OBSTACLE, NEW TDZE.
- LNAV VIS CATS C AND D CHANGED FROM 1 TO 7/8 - RECALCULATION USING CURRENT TABLES.
- CIRCLING CATS A AND B HAA CHANGED FROM 519 TO 518 - NEW AIRPORT ELEVATION.
- CIRCLING CAT C MDA/HAA CHANGED FROM 1320/519 TO 1380/578 - NEW CONTROLLING OBSTACLE, NEW AIRPORT ELEVATION.
- CIRCLING CAT D MDA/HAA CHANGED FROM 1380/579 TO 1420/618 - NEW CONTROLLING OBSTACLE, NEW AIRPORT ELEVATION.
- CRC REMAINDER CHANGED FROM 54926573 TO C27FBADF - NUMEROUS CHANGES TO RUNWAY DATA (LTP, FPAF, TCH, LENGTH OFFSET, ETC.)

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, GSP APP CON, CITY OF SPARTANBURG

**FLIGHT CHECKED BY**  
PENDING

*Digitally signed by*  
**JASON KRETSCHMER**  
Nov 18, 2020

**OFFICE**

**DATE**

**DEVELOPED BY**  
RUSSELL ROSLEWSKI

*Digitally signed by*  
**RUSSELL ROSLEWSKI**  
Oct 13, 2020

**OFFICE**  
AJV-A421

**DATE**  
08/18/2020

**APPROVED BY**  
MARLON ROBINSON

*Digitally signed by*  
**JASON KRETSCHMER**  
Nov 17, 2020

**OFFICE**  
AJV-A420

**DATE**

**TITLE**  
MANAGER  
**QUALITY**  
16  
**CHECKED**

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSPA
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	345437.4120N
LTP/FTP LONGITUDE	0815744.0910W
LTP/FTP ELLIPSOIDAL HEIGHT	+02108
FPAP LATITUDE	345544.1610N
FPAP LONGITUDE	0815632.1705W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 C27FBADF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02422
FPAP ORTHOMETRIC HEIGHT	+02422

