

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</u> UPPER CUMBERLAND RGNL	<u>AIRPORT ID</u> KSRB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> SPARTA	<u>STATE</u> TN	
<u>AIRPORT ELEVATION</u> 1025	<u>TDZE</u> 1021	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<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. 308/30 CW 128/30	NOPT	308/15 CW 128/15		5000
2. 308/15 CW 128/15		WENUB	IF/IAF	4000
3. 128/30 CW 218/30		128/15 CW 218/15		5000
4. 128/15 CW 218/15		BORSE	IAF	4000
5. 218/30 CW 308/30		218/15 CW 308/15		6000
6. 218/15 CW 308/15		ECUTO	IAF	4000

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>
ECUTO	IAF	WENUB	NOPT	TF	FB	1.00	307.84	6.00	4000
BORSE	IAF	WENUB	NOPT	TF	FB	1.00	127.72	6.00	4000
WENUB	IF/IAF	ZEBEN		TF	FB	1.00	037.78	7.03	3000
ZEBEN	FAF	UTUCE/1.94 NM TO RW04		TF	FB	0.30	037.83	4.04	
UTUCE/1.94 NM TO RW04		RW04	MAP	TF	FO	0.30	037.83	1.94	
RW04	MAP	1238 MSL		CA			037.83		
1238 MSL		WOTEK		DF	FO	1.00			4000



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:
CLIMB 4000 DIRECT WOTEK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	HOLD SW WENUB, RT, 037.78 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.								
3. FAC:	037.83	FAF: ZEBEN	DIST FAF TO MAP: 5.97	DIST FAF TO THLD: 5.97					
4. MIN ALT:	WENUB 4000, ZEBEN 3000, UTUCE/1.94 NM TO RW04 1680*								
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	217 HAT: 0.51	GS ANT:			
6. MIN GP INCPT:	3000	GP ALT AT FAF : ZEBEN 3000			OM:		MM:		IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.0					
8. MSA FROM:									

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART 1159 TREE 360115N/0853350W.
CHART FAS OBST: 1117 TREE 360250N/0853160W.
CHART VDP AT 0.96 NM TO RW04*
*LNAV ONLY
WAAS CHANNEL #82210
REFERENCE PATH ID: W04A
HOLD NE, RT, 217.97 INBOUND
LTP HAE: 279.6 M



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

ALTERNATE: NA ☐ STANDARD

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
LPV DA	1238	3/4	217	1238	3/4	217	1238	3/4	217	1238	3/4	217			
LNAV/VNAV DA	1396	1	375	1396	1	375	1396	1	375	1396	1	375			
LNAV MDA	1380	1	359	1380	1	359	1380	1	359	1380	1	359			
CIRCLING	1480	1	455	1480	1	455	1480	1 1/2	455	1580	2	555			

CHANGES - REASONS

1. UPDATED LNAV VISIBILITY CATS A/B FROM 3/4 TO 1 - IAW P-NOTAM 9/1669.
2. DELETED NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT C WHEN USING CROSSVILLE ALTIMETER SETTING - IAW P-NOTAM 9/1669 - AIRPORT REMOVING ODALS.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH - NEW CRITERIA
4. DELETED NOTE: CHART NOTE: DME/DME RNP 0.3 NA - NO LONGER REQUIRED BY CRITERIA
5. REMOVED BACKUP ALTIMETER SETTING AND ASSOCIATED VDP NA NOTES - MOVED TO -9 AS A CONTINGENCY NOTE.
6. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B. (2).
7. ADDED "20:1 IS CLEAR" ON LINE 7 - NO VISUAL SURFACE PENETRATIONS.
8. ADDED ALTERNATE MINIMUMS "STANDARD" - AIRPORT QUALIFIES.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, ZTL, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

DEVELOPED BY

DONALD H. LANIER (SCOTT LINDHOLM) **DONALD H LANIER**

Digitally signed by

Digitally signed by

DONALD H LANIER

Apr 12, 2019

OFFICE

AJV-A431

DATE

02/26/2019

APPROVED BY

LONNIE EVERHART **DONALD H LANIER**

Digitally signed by

Apr 12, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSRB
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	360257.0625N
LTP/FTP LONGITUDE	0853211.7315W
LTP/FTP ELLIPSOIDAL HEIGHT	+02796
FPAP LATITUDE	360410.2600N
FPAP LONGITUDE	0853108.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0707
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	93E364C7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03090
FPAP ORTHOMETRIC HEIGHT	+03090

