

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> TRI-CITIES	<u>AIRPORT ID</u> KTRI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> BRISTOL/JOHNSON/KINGSPORT	<u>STATE</u> TN	
<u>AIRPORT ELEVATION</u> 1519	<u>TDZE</u> 1518	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-12.

<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>
CAKMA		KEPDE		TF	FB	1.00	207.04	10.00	6500
CAKOD		KEPDE		TF	FB	1.00	322.09	10.00	6500
KEPDE	IAF	CITAM		TF	FB	1.00	262.12	5.00	4900
CITAM	IF	FAVKA		TF	FB	1.00	262.06	5.00	3400
FAVKA	FAF	TRIES/2.60 NM TO RW27		TF	FB	0.30	276.11	3.17	
TRIES/2.60 NM TO RW27		RW27	MAP	TF	FO	0.30	276.11	2.60	
RW27	MAP	2000 MSL		CA			276.11		2000
2000 MSL		HOSEM		DF	FO	1.00			3600

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING LEFT TURN 3600 DIRECT HOSEM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT CITAM

3. FAC: 276.11 FAF: FAVKA DIST FAF TO MAP: 5.77 DIST FAF TO THLD: 5.77

4. MIN ALT: CITAM 4900, FAVKA 3400, TRIES/2.60 NM TO RW27 2380*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 270 HAT: 0.70 GS ANT: MM: IM:

6. MIN GP INCPT: 3400 GP ALT AT FAF : FAVKA 3400 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 55.0

8. MSA FROM: RW27 7500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING TO RWY 9 NA AT NIGHT.


CHART NOTE: CIRCLING NA NW OF RWYS 9 AND 23. 

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°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.

CHART VDP AT 1.50 NM TO RW27*

*LNAV ONLY

WAAS CHANNEL #63140

REFERENCE PATH ID: W27A

CHART FAS OBST: 1759 T-L TWR 362902N/0822043W.

CHART 1787 TREE 362850N/0822033W.

HOLD SW, RT, 049.46 INBOUND

LTP HAE: 428.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/4, CAT D 1000-3

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	1788	7/8	270	1788	7/8	270	1788	7/8	270	1788	7/8	270			
LNAV/VNAV DA	2034	1 3/4	516	2034	1 3/4	516	2034	1 3/4	516	2034	1 3/4	516			
LNAV MDA	2020	1	502	2020	1	502	2020	1 3/8	502	2020	1 3/8	502			
CIRCLING	2120	1	601	2180	1	661	2320	2 1/4	801	2500	3	981			

QUALITY
35
CHECKED

CHANGES - REASONS

1. INCREASED CIRCLING CAT C MDA FROM 2300 TO 2320 - UPDATED CONTROLLING OBST MSL IAW 8260.19H 2-11-5.B.(3)(A).
2. CHANGED VDP FROM 1.56 TO 1.50. - NEW EVALUATION AND MINIMUMS.
3. CHANGED CHART NOTE: FROM CIRCLING NA NW OF RWY 9-23 TO CIRCLING NA NW OF RWY 9 AND 23. - REFLECT CURRENT CRITERIA 19H. 8-6-11. O(5) AND INCORPORATE NOTAM FDC 9/4556.
4. REMOVED CHART NOTE: DME/DME RNP-0.3 NA. AND ADDED RNP APCH TO PBN REQUIREMENTS NOTE. - REFLECT CURRENT CRITERIA IAW 8260.19H 8-6-8.
5. REMOVED FAHRENHEIT FROM BARO-VNAV NOTE - NO LONGER REQUIRED.
6. 270 HAT DISTANCE TO THREASHOLD CHANGED FROM 0.71NM TO 0.70NM. - NEW EVALUATION COMPLETED.

5/3/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/3/19.

1. CHANGED CHART NOTE: CIRCLING NA NW OF RWY 9 AND 23 OF RWY TO CHART NOTE: CIRCLING NA NW OF RWYS 9 AND 23.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ZTL, EST-FPT, TRI-CITIES APP CON.

FLIGHT CHECKED BY

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

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (ANDRE TUCKER)

Digitally signed by
CASIMIR L TABAKA

Digitally signed by
CASIMIR L TABAKA
May 06, 2019

OFFICE

AJV-A422

DATE

01/03/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by
CASIMIR L TABAKA
May 06, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTRI
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	362842.6045N
LTP/FTP LONGITUDE	0822344.8680W
LTP/FTP ELLIPSOIDAL HEIGHT	+04282
FPAP LATITUDE	362841.0955N
FPAP LONGITUDE	0822535.3320W
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	1432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	074BEFFE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+04597
FPAP ORTHOMETRIC HEIGHT	+04597

