

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 5	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> BRISTOL/JOHNSON/KINGSPORT	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 1519	<u>TDZE</u> 1498	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 7W
<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>	<u>EPOCH YEAR</u> 2020

TAA 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>ALTITUDE</u>
1. 319/30 CW 022/30	NOPT	319/9 CW 022/9		7500
2. 022/30 CW 139/30	NOPT	022/9 CW 139/9		6500
3. 319/9 CW 139/9		HOSEM	IF/IAF	5000
4. 139/30 CW 319/30		139/13 CW 319/13		7900
5. 139/13 CW 319/13		HOSEM	IF/IAF	5200

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>
HOSEM	IF/IAF	AYABU		TF	FB	1.00	049.46	6.18	3400
AYABU	FAF	YETPO/2.10 NM TO RW05		TF	FB	0.30	049.51	3.72	
YETPO/2.10 NM TO RW05		RW05	MAP	TF	FO	0.30	049.51	2.10	
RW05	MAP	1698 MSL		CA			049.51		
1698 MSL		BUYBA		DF	FO	1.00			5200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5200 DIRECT BUYBA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SW HOSEM, RT, 049.46 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 049.51FAF: AYABUDIST FAF TO MAP: 5.82DIST FAF TO THLD: 5.82

4. MIN ALT: HOSEM 5000, AYABU 3400, YETPO/2.10 NM TO RW05 2200*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.48GS ANT:

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

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 58.3

8. MSA FROM:

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: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13°C OR ABOVE 34°C.

ADDITIONAL FLIGHT DATA:

*LNAV ONLY
CHART CIRCLING ICON.
WAAS CHANNEL #65726
REFERENCE PATH ID: W05A
CHART FAS OBST: 1817 TREE 362816N/0822538W.
2299 AAO 362233N/0822845W.
HOLD NE, LT, 229.70 INBOUND
LTP HAE: 422.1 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	1698	4000	200	1698	4000	200	1698	4000	200	1698	4000	200			
LNAV/VNAV DA	1998	1 3/4	500	1998	1 3/4	500	1998	1 3/4	500	1998	1 3/4	500			
LNAV MDA	2080	5500	582	2080	5500	582	2080	1 3/4	582	2080	1 3/4	582			
CIRCLING	2120	1	601	2180	1	661	2320	2 1/4	801	2500	3	981			



CHANGES - REASONS

- 1. CHANGED CHART NOTE: FROM CIRCLING NA NW OF RWY 9-23 TO CIRCLING NA NW OF RWY 9 AND 23. - INCORPORATED NOTAM FDC 9/4556 AND REFLECT CURRENT CRITERIA 19H. 8-6-11. O (5).
- 2. 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.
- 3. REMOVED FAHRENHEIT FROM BARO-VNAV NOTE - NO LONGER REQUIRED.
- 4. MOVED ALL BACK UP ALTIMETER NOTES TO BACK OF -9 FOR RECORDKEEPING. - KTRI ON WMSCR.
- 5. CHANGED LINE 7 34:1 FROM IS NOT CLEAR TO IS CLEAR. - NEW EVALUATION COMPLETED AND 34:1 PENETRATIONS NO LONGER EXIST.
- 6. REMOVED CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. - NEW EVALUATION COMPLETED AND 34:1 PENETRATIONS NO LONGER EXIST.
- 7. INCREASED CIRCLING CAT C MDA FROM 2300 TO 2320 - UPDATED CONTROLLING OBST MSL IAW 8260.19H 2-11-5.B.(3)(A).
- 8. ADDED CHART NOTE: CIRCLING TO RWY 9 NA AT NIGHT. - NEW EVALUATION COMPLETE AND RWY 9 20:1 PENETRATIONS EXIST.
- 9. UPDATED STEPDOWN FIX MISSED APPROACH CA LEG COURSES FROM 049.54 TO 049.51 IN TERMINAL ROUTES. - REFLECT CURRENT CRITERIA 8260.19H 8-6-4 B.
- 10. REMOVED ALTERNATE MINIMUM NOTE NA WHEN LOCAL WEATHER NOT AVAILABLE. - KTRI ALTIMETER IS ON WMSCR AND SECONDARY ALTIMETER NOTES MOVED TO THE BACK OF -9.
- 11. REMOVED VGSI NOT COINCIDENT NOTE. - VDA AND VGSI WITHIN COINCIDENTAL TOLERANCE.
- 12. RAISED CAT C ALTERNATE MINS FROM 800 TO 900. - RAISED CAT C CMDA DUE TO UPDATED OBSTACLE ELEVATION.

4/22/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/3/19.
1. ADDED ""LNAV ONLY"" IN ADDITIONAL FLIGHT DATA.

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

OFFICE

DATE

Digitally signed by

DEVELOPED BY

CASIMIR L. TABAKA (ANDRE TUCKER)

Digitally signed by

CASIMIR L TABAKA

CASIMIR L TABAKA

Apr 26, 2019

OFFICE

AJV-A422

DATE

01/18/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

CASIMIR L TABAKA

Apr 26, 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	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	362755.2290N
LTP/FTP LONGITUDE	0822508.8135W
LTP/FTP ELLIPSOIDAL HEIGHT	+04221
FPAP LATITUDE	362900.9400N
FPAP LONGITUDE	0822354.0800W
THRESHOLD CROSSING HEIGHT (TCH)	00058.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	937E1F6A
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+04536
FPAP ORTHOMETRIC HEIGHT	+04536

