

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</u> TRI-CITIES	<u>AIRPORT ID</u> KTRI	<u>PROCEDURE NAME</u> ILS OR LOC RWY 23 ILS RWY 23 SA CAT I, ILS RWY 23 CAT II	<u>ORIGINAL/AMENDMENT</u> 24H	<u>CITY</u> BRISTOL/JOHNSON/KINGSPORT	<u>STATE</u> TN	
<u>AIRPORT ELEVATION</u> 1519	<u>TDZE</u> 1518	<u>SUPERSEDED</u> ILS OR LOC RWY 23 ILS RWY 23 SA CAT I, ILS RWY 23 CAT II	<u>ORIGINAL/AMENDMENT</u> 24G	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-TRI	<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>
HMV VORTAC		VERAL INT ←					311.97	5.17	6000
VERAL INT		MOCCA LOM/INT					312.89	6.38	4000
GZG VOR/DME	IAF	KEIPY INT ←	NOPT ←				210.17	10.07	6000
KEIPY INT	IF	MOCCA LOM/INT					230.03	9.95	3600

MISSED APPROACH

MAP:

ILS: DA
 LOC: 6.00 NM AFTER MOCCA LOM/INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3800 DIRECT BOOIE LOM/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT R **SIDE OF COURSE** 049.57 **OUTBOUND** 4000 **FT WITHIN** 10 **MILES OF** MOCCA LOM/INT (IAF)
-
- FAC:** 229.57 **FAF:** MOCCA LOM/INT **DIST FAF TO MAP:** 6.00 **DIST FAF TO THLD:** 6.00
- MIN ALT:** MOCCA LOM/INT 3600, EAVAR INT 2500*
- DIST TO THLD FROM OM:** 6.00 **MM:** **IM:** 878 **100 HAT:** 858 **150 HAT:** 1812 **GS ANT:** 1050
- MIN GS INCPT:** 3600 **GS ALT AT FAF :** MOCCA LOM/INT 3509 **OM:** 3509 **MM:** **IM:** 1619
- GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 55.7
- MSA FROM:** MOCCA LOM 090-270 7500, 270-090 5500

QUALITY
23
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

ADF OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, B, C, D RA 192, RVR 1600, HAT 150, DA 1668 MSL.

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, B, C, D RA 139, RVR 1200, HAT 100, DA 1618 MSL.

CHART NOTE: CIRCLING TO RWY 9 NA AT NIGHT.

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

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

CHART NOTE: CAUTION: AIR TRAFFIC CONTROL TOWER 1634 FT MSL LOCATED 940 FT RIGHT OF RUNWAY CENTERLINE 357 FT FROM RUNWAY THRESHOLD.

CHART NOTE: WHEN CONTROL TOWER CLOSED: S-ILS 23 INCREASE VISIBILITIES TO RVR 4000 ALL CATS AND S-LOC 23 INCREASE VISIBILITIES 1/2 SM ALL CATS.

SA CAT I AND CAT II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.


ADDITIONAL FLIGHT DATA:

* LOC ONLY

CHART CIRCLING ICON.

CHART FAS OBST: 1770 TREE 363003N/0822255W.

CHART 2242 TOWER 363318N/0822030W.

HOLD SW, RT, 049.56 INBOUND **MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: CAT A, B 1000-2, CAT C, D 1000-3, NA WHEN CONTROL TOWER CLOSED.

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 23	1718	1800	200	1718	1800	200	1718	1800	200	1718	1800	200			
S-LOC 23	2500	4000	982	2500	1	982	2500	2 1/2	982	2500	2 1/2	982			
CIRCLING	2500	1 1/4	981	2500	1 1/2	981	2500	3	981	2500	3	981			
EAVER FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)															
S-LOC 23	2020	2400	502	2020	2400	502	2020	5500	502	2020	5500	502			
CIRCLING	2120	1	601	2180	1	661	2320	2 1/4	801	2500	3	981			

CHANGES - REASONS

1. ADDED CIRCLING TO RWY 9 NA AT NIGHT. - NEW EVALUATION COMPLETED AND RWY 9 20:1 PENETRATIONS EXIST.
2. 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 INCORPORATED NOTAM FDC 8/5108 .
3. RAISED EAVR MINS S-LOC RVR VISIBILITY CAT C AND D FROM 5000 TO 5500 AND CIRCLING CAT A VISIBILITY FROM 1SM TO 1 1/4 SM. - NEW VISIBILITY CHECK COMPLETED.
4. REMOVED CHART NOTE: ADF REQUIRED AND ADDED ADF REQUIRED IN PBN REQUIREMENTS NOTE. - REFLECT CURRENT CRITERIA IAW 8260.19H 8-6-8.
5. REMOVED PROFILE VIEW NOTE: ILS UNUSABLE INSIDE THE THRESHOLD. - NO LONGER REQUIRED PER LAST PERIODIC FLIGHT INSPECTION.
6. CHANGED EAVR MINIMUM TITLE FROM EAVR INT MINS TO EAVR FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRE). - REFLECT CURRENT CRITERIA 8260.19H 8-6-11 N. 3. (F).
7. LOWERED EAVR FIX CAT A/B/C CMDA'S FROM 2340 TO 2120, 2340 TO 2180, 2340 TO 2330 RESPECTIVELY. - MATCHED PREVIOUS FLIGHT CHECK OF IAP RNAV (GPS) RWY 5 CIRCLING.

4/18/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/3/19.

1. TERMINAL ROUTES: CHANGED VERAL TO VERAL INT, CHANGED KEIPY TO KEIPY INT.
2. TERMINAL ROUTES: FROM GZG VOR/DME (IAF) TO KEIPY ADDED NOPT UNDER FIX TYPE.
3. ADDITIONAL FLIGHT DATA: CHANGED MISSED APPROACH COURSE INBOUND FROM 047.56 TO 049.56.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, TRI APCH, 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**

CASIMIR L. TABAKA (ANDRE TUCKER)

Digitally signed by

CASIMIR L TABAKA

Digitally signed by
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