

**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 ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
TRI	ILS OR LOC RWY 23 ILS RWY 23 (SA CAT I) ILS RWY 23 (CAT II)	25	BRISTOL/JOHNSON/KINGSPORT	TN		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1519	1518	ILS OR LOC RWY 23 ILS RWY 23 (SA CAT I) ILS RWY 23 (CAT II)	24H	06/20/2019	7W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-TRI			ROUTINE			

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>
GZG VOR/DME	IAF	KEIPY INT/GZG 10.07 DME	NOPT				210.17	10.07	6000
KEIPY INT/GZG 10.07 DME	IF	MOCCA LOM/RADAR					229.58	9.95	3600

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.98 NM AFTER MOCCA LOM/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6300 DIRECT BOOIE LOM/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6300.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	R	SIDE OF COURSE	049.58	OUTBOUND	4000	FT WITHIN	10	MILES OF	MOCCA LOM/RADAR (IAF)
2.									
3. FAC:	229.58	FAF:	MOCCA LOM/RADAR	DIST FAF TO MAP:	5.98	DIST FAF TO THLD:	5.98		
4. MIN ALT:	MOCCA LOM/RADAR 3600								
5. DIST TO THLD FROM PFAF:	6.37	MM:	IM: 878.00	100 HAT:	853.00	150 HAT:	1805.00	GS ANT:	1050
6. MIN GS INCPT:	3600	GS ALT AT PFAF:		OM:	3474	MM:		IM:	1619
7. GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.7				
8. MSA FROM:	MOCCA LOM 090-270 7500, 270-090 5500								



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 188, RVR 1400, HAT 150, DA 1668 MSL
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, B, C, D, RA 128, RVR 1200, HAT 100, DA 1618 MSL
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: CIRCLING NA AT NIGHT.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART NOTE: CIRCLING NA N OF RWY 09 AND NW OF RWY 23.
SA CAT I AND CAT II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.
CHART NOTE: CAUTION: AIR TRAFFIC CONTROL TOWER 1634 FT MSL LOCATED 940 FT RIGHT OF RUNWAY CENTERLINE 357 FT FROM RUNWAY THRESHOLD.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GZG VOR/DME AIRWAY RADIALS 188 CW 248

ADDITIONAL FLIGHT DATA:

CHART: MAX 4000 AT MOCCA LOM.

HOLD SW, RT, 049.57 INBOUND.
FAS OBST: 2267 AAO 363300N/0822036W.

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.

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
S-ILS 23	1718	1800	200	1718	1800	200	1718	1800	200	1718	1800	200			
S-LOC 23	2480	4000	962	2480	5500	962	2480	2 1/2	962	2480	2 1/2	962			
CIRCLING	2480	1 1/4	961	2480	1 1/2	961	2480	3	961	2500	3	981			



CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED "HNV VORTAC TO VERAL INT AND VERAL INT TO MOCCA LOM/INT" - HNV VOR MON.
2. TERMINAL ROUTES: UPDATED FROM "GZG VOR/DME TO KEIPY INT" TO "GZG VOR/DME TO KEIPY INT/GZG10.07 DME" - KEIPY DISTANCE FROM GZG ADDED.
3. TERMINAL ROUTES: UPDATED FROM "KEIPY INT TO MOCCA LOM/INT" TO "KEIPY INT/GZG 10.07 DME TO MOCCA LOM/RADAR" AND COURSE FROM "230.03" TO "229.58" - MOCCA LOM RELOCATION/KEIPY DISTANCE FROM GZG ADDED.
4. MISSED APPROACH: UPDATED FROM "LOC: 6.00 NM AFTER MOCCA LOM/INT" TO "LOC: 5.97 NM AFTER MOCCA LOM/RADAR" - MOCCA LOM RELOCATION/RADAR ADDED.
5. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 3800 DIRECT BOOIE LOM/RADAR AND HOLD" TO "CLIMB TO 6300 DIRECT BOOIE LOM/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6300" - PER FPT REQUEST/EVALUATION.
6. PROFILE LINE 1: UPDATED SIDE OF COURSE FROM "049.57" TO "049.58" AND MILES OF FROM "MOCCA LOM/INT (IAF)" TO "MOCCA LOM/RADAR (IAF)" - MOCCA RELOCATION/RADAR ADDED.
7. PROFILE LINE 3: UPDATED FAC/FAF/DIST FAF TO MAP & DIST TO THLD FROM "229.57/MOCCA LOM/INT/6.00" TO "229.98/MOCCA LOM/RADAR/5.98" - MOCCA RELOCATION/RADAR ADDED.
8. PROFILE LINE 4: MIN ALT UPDATED FROM "MOCCA LOM/INT 3600, EAVR INT 2500*" TO "KEIPY INT/GZG 10.07 DME 6000, MOCCA LOM/RADAR 3600" - HNV VOR MON/EAVR FINAL STEP-DOWN FIX REMOVED PER FPT.
9. PROFILE LINE 5: CHANGED DIST TO THLD FROM OM/100 HAT/150 HAT FROM "6/858/1812" TO "5.98/853/1805" - MOCCA RELOCATION/NEW EVALUATION.
10. PROFILE LINE 6: CHANGED GS ALT AT FAF FROM "MOCCA LOM/INT 3509" TO "3600" - VGSI AND ILS GLIDEPATH IS COINCIDENT.
11. PROFILE LINE 6: CHANGED OM FROM "3509" TO "3474" - NEW EVALUATION.
12. CHART NOTES: UPDATED FROM "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" TO "SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, RA 188, RVR 1400, HAT 150, DA 1668 MSL" - NEW EVALUATION.
13. CHART NOTES: UPDATED FROM "CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, RA 139, RVR 1200, HAT 100, DA 1618 MSL" TO "CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23: CAT A, RA 128, RVR 1200, HAT 100, DA 1618 MSL" - NEW EVALUATION.
14. CHART NOTES: ADDED "RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED" - 20:1 PENETRATION EXIST.
15. CHART NOTES: UPDATED FROM "CIRCLING NA NW OF RWYS 9 AND 23" TO "CIRCLING NA N OF RWY 09 AND NW OF RWY 23" - NEW CONTROLLING OBSTACLES.
16. CHART NOTE: CHANGED FROM "CIRCLING TO RWY 9 NA AT NIGHT" TO "CIRCLING NA AT NIGHT" - UNLIT 20:1 PENETRATIONS EXIST/PER FPT.
17. CHART NOTE: REMOVED "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" - BACK-UP WX SERVICE DELETED.
18. ADDITIONAL FLIGHT DATA: DELETED "CHART CIRCLING ICON" - NO LONGER REQUIRED IAW MEMO #279: REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN.
19. ADDITIONAL FLIGHT DATA: DELETED "*LOC ONLY" - NO LONGER REQUIRED.
20. ADDITIONAL FLIGHT DATA: REMOVED "CHART FAS OBST: 1770 TREE 363003N/0822255W" AND ADDED "FAS OBST: 2267 AAO 363300N/0822036W" - NEW CONTROLLING OBSTACLE.
21. ADDITIONAL FLIGHT DATA: CHANGED 7:1 OBST FROM "CHART 2242 TOWER 363318N/0822030W" TO "2271 AAO 363403.00N/0821918.00W" - NEW CONTROLLER/MOVED TO -9, IAW 8260.19K, 8-6-11.E.(2).
22. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD SW, RT, 049.56 INBOUND" TO "HOLD SW, RT, 049.57 INBOUND" - MOCCA LOM RELOCATION.
23. ADDITIONAL FLIGHT DATA: ADDED "CHART MAX 4000 AT MOCCA LOM" - IAW 8260.19K, 8-6-11.N.
24. MINIMUMS: CHANGED S-LOC 23 ALL CATS MDA/HAT FROM "2500/982" TO "2480/962" AND CATS B VISIBILITY CHANGED FROM "1" TO "5500" - NEW CONTROLLING OBSTACLE/IAW 8260.3G, TABLE 3-3-3.
25. MINIMUMS: CHANGED CIRCLING CAT A, B AND C MDA/HAA FROM "2500/981" TO "2480/961" - NEW CONTROLLING OBSTACLES.
26. ADDED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GZG VOR/DME AIRWAY RADIALS 188 CW 248.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZTL, TRI ATCT, AMGR

FLIGHT CHECKED BY

WILLIAM M YINGLING

Digitally signed by

ROBERT G HAMILTON

Aug 06, 2026

OFFICE

AJF

DATE

08/04/2026

DEVELOPED BY

ROBERT G HAMILTON (KAMARUDINI R. RAIMI)

Digitally signed by

ROBERT G HAMILTON

Aug 06, 2026

OFFICE

AJV-A433

DATE

03/02/2026

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Aug 06, 2026

OFFICE

AJV-A433

DATE

09/24/2026

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
TRI	ILS OR LOC RWY 23 SA CAT I/CAT II ILS RWY 23 (SA CAT I) ILS RWY 23 (CAT II)	25	BRISTOL/JOHNSON/KINGSPORT	TN	1519	I-TRI

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

<u>FROM</u> GZG VOR/DME	<u>TO</u> KEIPY INT/GZG 10.07 DME
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<u>RNP</u>	<u>DISTANCE</u> 10.07	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	364930.00N/0820445.00W	4400	215	8	4B	1000				PR160 AT440	6000
TERRAIN	364930.00N/0820445.00W	4199 (4200)								AS1500	5700

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INTERMEDIATE

<u>FROM</u> KEIPY INT/GZG 10.07 DME	<u>TO</u> MOCCA LOM/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 9.95	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	364545.00N/0821330.00W	3298	215	8	4B	500				SA-290	3600
TERRAIN	363909.00N/0821542.00W	2604 (2600)								AS1000	3600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



INTERMEDIATE: PT

FROM

10 NM

TO

MOCCA LOM/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.97										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	364439.00N/0821600.00W	3281	215	8	4B	500				SA-473 AT692	4000
TERRAIN	363909.00N/0821542.00W	2604 (2600)								AS1000	3600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

GP INTCP

TO

RW23

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.97		DA			200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				1718

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS SA CAT I

FROM

GP INTCP

TO

RW23

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.97		DA			150				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				1668

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS CAT II

FROM

GP INTCP

TO

RW23

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.97		DA			100				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				1618

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LOC

FROM

MOCCA LOM/RADAR

TO

5.97 NM AFTER MOCCA LOM/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	5.97 & 5.97		5.97 NM AFTER MOCCA LOM/RADAR	962	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	363300.00N/0822036.00W	2267	215	8	4B	250				SA-52	2480

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

MOCCA LOM/RADAR

TO

10 NM

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	364109.00N/0821018.00W	2842	215	8	4B	1000				AT158	4000
TERRAIN	364109.00N/0821018.00W	2641 (2600)								AS1000	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: ILS

FROM

DA

TO

BOOIE LOM/RADAR

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
								1549			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				6300
TOWER (47-001118)	362258.00N/0822824.00W	2225	50	20	2C	1000					3300
TERRAIN	362254.00N/0822824.00W	2076 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT I

FROM

DA

TO

BOOIE LOM/RADAR

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
								1509			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				6300
TOWER (47-001118)	362258.00N/0822824.00W	2225	50	20	2C	1000					3300
TERRAIN	362254.00N/0822824.00W	2076 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: ILS CAT II

FROM

DA

TO

BOOIE LOM/RADAR

RNP	DISTANCE	PAT	MAP		HAT	HMAS 1509					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				6300
TOWER (47-001118)	362258.00N/0822824.00W	2225	50	20	2C	1000					3300
TERRAIN	362254.00N/0822824.00W	2076 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

5.97 NM AFTER MOCCA LOM/RADAR

TO

BOOIE LOM/RADAR

RNP	DISTANCE	PAT	MAP		HAT	HMAS 2230					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				6300
TOWER (47-001118)	362258.00N/0822824.00W	2225	50	20	2C	1000					3300
TERRAIN	362254.00N/0822824.00W	2076 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (47-139634)	362816.72N/0822537.97W	1.31	961	1828	20	3	1A	300		SI	2480
CATEGORY B											
TREE (47-070557)	362848.81N/0822648.16W	1.86	961	1871	20	3	1A	300		SI	2480
CATEGORY C											
TREE (47-140887)	363015.55N/0822056.64W	2.93	961	2009	20	10	1B	300		SI	2480
CATEGORY D											
AAO	363042.00N/0822000.00W	3.83	981	2182	215	8	4B	300			2500

CIRCLING REMARKS:

MSA

CENTER	RADIUS
MOCCA LOM	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-270	AAO	360618.00N/0820721.00W	168	28.6	6480	215	8	4B	1000			7500
270-090	AAO	365333.00N/0823748.00W	330	25.2	4430	215	8	4B	1000			5500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZTL ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	TRI	24	TRI		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

NO BACKUP REQUIRED, REDUNDANT ALTIMETER SOURCES AVAILABLE.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-TRI	ATCT	TOWER OPEN	1
		TOWER CLOSED	3



APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW09 - MIRL	NPI-G	
RW27 - REIL, MIRL, PAPI-4L	NPI-G	
RW05 - REIL, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW23 - ALSF-2, C/LINE, TDZ, HIRL, PAPI-4R	PIR-G	APPROACH, ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	1517.6	55.7	1514.6	1050	3.00	55.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LOC RWY 23
34:1	
1780 TREE (47-142269) 363002.5600N/0822259.2400W (14.11)	1775 TREE (47-063707) 363002.8900N/0822256.6500W (4.18)
1778 TREE (47-063681) 363002.3900N/0822252.7000W (1.85)	
FINAL TYPE	CIRCLING RWY 09
20:1	
1787 TREE (47-062666) 362833.2200N/0822536.4800W (37.73)	1664 TREE (47-142365) 362846.7200N/0822509.8600W (24.58)
1701 TREE (47-139707) 362847.7600N/0822519.1600W (23.7)	1771 TREE (47-070541) 362832.5400N/0822536.3200W (22.33)
1716 TREE (47-143433) 362848.3200N/0822523.5700W (20.74)	1777 TREE (47-063283) 362832.8600N/0822538.7800W (18.31)
1667 TREE (47-141513) 362846.4800N/0822512.8000W (15.56)	1636 TREE (47-141781) 362846.2400N/0822505.2100W (15.53)
1533 POLE (47-063843) 362843.6100N/0822440.2300W (14.29)	1533 FENCE (47-140478) 362843.6000N/0822440.4900W (13.23)
1659 TREE (47-142574) 362846.6100N/0822511.5000W (12.88)	1700 TREE (47-142416) 362847.8500N/0822521.8000W (11.93)
1586 TREE (47-139960) 362844.3600N/0822453.8700W (11.67)	1755 TREE (47-139844) 362842.4300N/0822535.2500W (11.55)
1597 TREE (47-063928) 362844.1500N/0822456.6900W (11.13)	1583 TREE (47-069920) 362844.4700N/0822453.3500W (10.8)
1762 TREE (47-141064) 362834.7100N/0822538.1000W (6.25)	1751 TREE (47-070542) 362841.7200N/0822535.5800W (6.14)
1579 TREE (47-142329) 362844.2700N/0822453.6400W (5.6)	1687 TREE (47-142040) 362848.0700N/0822520.3200W (4.99)
1525 FENCE (47-140432) 362843.1600N/0822440.6300W (4.62)	1615 TREE (47-063543) 362842.6800N/0822502.8100W (4.02)



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
TRI	ILS OR LOC RWY 23 SA CAT I/CAT II ILS RWY 23 (SA CAT I) ILS RWY 23 (CAT II)	25	BRISTOL/JOHNSON/KINGSPORT	TN	1519	I-TRI
1525 TRANSMISSION_LINE (47-022777) 362843.7000N/0822440.9900W (3.2)			1532 TRANSMISSION_LINE (47-022779) 362842.7200N/0822442.8200W (2.64)			
1630 TREE (47-143217) 362836.3100N/0822506.8700W (1.9)			1756 TREE (47-141675) 362833.6600N/0822537.7200W (1.71)			
1546 TREE (47-063822) 362844.0000N/0822446.8000W (0.5)			1524 FENCE (47-143422) 362842.5800N/0822441.4100W (0.39)			
1529 POLE (47-142455) 362843.8100N/0822442.7000W (0.23)						
FINAL TYPE	CIRCLING RWY 27					
20:1						
1512 TERRAIN (47-142900) 362840.7300N/0822341.5700W (0.59)						
PENETRATIONS REMARKS:						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - FAC DOES NOT HAVE DME.

100' ASSUMED TREE HEIGHT USED PER FPT.

ALTERNATE MISSED APPROACH NOT DEVELOPED PER ATC DUE TO LACK OF NAVAIDS.

ALSF-2 RWY 23 & HIRL RWY 5/23 OPTS MED INTS WHEN TWR CLSD VERIFIED BY AIRPORT.

MIRL RWY 09/27 AND REIL RWY 27 NOT AVBL WHEN TWR CLSD VERIFIED BY AIRPORT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 2218 AAO 363315.00N/0822003.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	FAF	TO 1000FT POINT	7.00
WIDTH OF	INTERMEDIATE	SEGMENT AT 1000FT POINT	3.01
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	222.58
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	2600
DISTANCE FROM	FAF	TO 1500FT POINT	10
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	3.66
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	222.58
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2600

THRESHOLD COORDINATES (IF STR-IN)	362853.48N/0822402.56W
ARP COORDINATES	362830.75N/0822426.69W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 5 DISTANCE 0.82 NM
FAF COORDINATES	363317.73N/0821901.50W
FIX NAME COORDINATES	IF KEIPY 364036.92N/0821038.85W

REMARKS

1000 FT PT OCCURS IN THE INTERMEDIATE UNDERLYING THE PT.
1500 FT PT OCCURS IN THE INTERMEDIATE UNDERLYING THE PT.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ROBERT G HAMILTON (KAMARUDINI R. RAIMI)	AJV-A433	03/02/2026	AERONAUTICAL INFORMATION SPECIALIST

