

RADIO FIX AND HOLDING DATA RECORD

NAME: CFRJJ

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 361911.69N/0823502.41W

TYPE: CNF

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
ILS OR LOC RWY 5

FAC

PAT

AIRPORT IDENT
KTRI

CITY

BRISTOL/JOHNSON/KINGSPORT

STATE

TN (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/07/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/23/2017

OFFICE: AJV-5432

NAME: JACOB POWERS (IVAN BLANCO)

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: TRI-CITIES RGNL APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HOLSTON MOUNTAIN VORTAC STATE: TN COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 362613.40N/0820746.56W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	HOLSTON MOUNTAIN	HMV	VORTAC	L						45000

FIX RESTRICTIONS:

MCA V310 6900 EASTBOUND
MCA V259 6600 SOUTHEAST BOUND
MCA V605 8500 SOUTHBOUND

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	HMV	VORTAC	064.00	244.00	R	1	6700 17500	8 16
2	NE	HMV	VORTAC	064.00	244.00	L	1	6700 17500	8 16
3	SW	HMV	VORTAC	244.00	064.00	R	1	6700 17500	8 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C
2	230	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C
3	230	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

HOLD PATTERNS 1, 2 AND 3 USED FOR FLOW CONTROL BETWEEN ATC SECTORS (DO NOT CHART ON LOW ENROUTE/ATC REQUEST).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 4 DEGREES W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V259					(US)
EN ROUTE	V310					(US)
EN ROUTE	V35					(US)
EN ROUTE	V364					(US)
EN ROUTE	V53					(US)
EN ROUTE	V605					(US)
IAP	ILS OR LOC RWY 17			AVL	ASHEVILLE	NC (US)
IAP	ILS OR LOC RWY 35			AVL	ASHEVILLE	NC (US)
STAR	BTSEY			CLT	CHARLOTTE	NC (US)

REQUIRED CHARTING: STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 25 DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

- REMARKS: UPDATED " MAG VAR W04/1985" TO "ASSIGNED FACILITY MAGVAR: 4 DEGREES W."
- FIX USE: DELETED LIINN STAR FROM AFP, AKH, CLT, DCM, EHO, EQY, IPJ, LKR, UZA, N52.
- FIX USE: DELETED DP HICKORY (OBSTACLE) AT HKY.
- FIX USE: DELETED ILS OR LOC RWY 23, ILS OR LOC RWY 5, ILS RWY 23 (CAT II), ILS RWY 23 (SA CAT I) AT TRI.
- REQUIRED CHARTING: DELETED DP

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: PARNELL PRASSADA
APPROVED BY:	DATE: 07/30/2026	OFFICE: AJV-A432	NAME: CASIMIR TABAKA
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: MOCCA LOM

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 363317.73N/0821901.50W

TYPE: RADAR

AIRSPACE DOCKET: N

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	MOCCA	TR	LOM						3500	17500
2	BRISTOL/JOHNSON/KINGSPORT	I-TRI	LOC		049.58	042.58		7.56 45955	3500	6000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	TR	LOM	049.58	229.58	L	1	4900 17500	5 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	363909.00N/0821542.00W	2805	4B
1	310	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	170

REASON FOR NONSTANDARD HOLDING:

PAT 1 HIGH TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 5	TRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE MOCCA LOM.
ACTUAL FACILITY LOCATION IS 363319.79N/0821904.27W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 310 KIAS CONTROLLING OBSTRUCTION LIES 9973.42 FT INTO THE SECONDARY AREA: SECONDARY ADJUSTMENT -910.35.
FAC MAG VAR: W7/2020.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 23 SA CAT I/CAT II	1, 2		TRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	ILS OR LOC RWY 5	1, 2	1	TRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX LATITUDE/LONGITUDE: CHANGED FROM "363317.50N/0821901.58W" TO "363317.73N/0821901.50W."
2. FIX TYPE: CHANGED FROM "INT" TO "RADAR."
3. FIX MAKE-UP FACILITIES: REMOVED FAC 3 AND ASSOCIATIONS
4. FIX MAKE-UP FACILITIES: CHANGED MAG/TRUE BRG FROM "049.57/042.57" TO "049.58/042.58" AND ADDED DIST FROM FAC FEET "45955" TO FAC 2.
5. HOLDING PATTERNS: CHANGED PAT 1 RAD/CRS INBOUND, LEG TIME AND MIN HOLDING ALTITUDE FROM "050.00/230.00, 1-1 1/2 & 4800" TO "049.58/229.58, 1 & 4900."
6. CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 200 KTS AAO COORDINATES/ELEVATION/ACCURACY CODE FROM "363913.20N/0821529.00W/2809/6C" TO "363909.00N/0821542.00W/2805/4B."
7. PRECIPITOUS TERRAIN ADDITIONS: ADDED PAT 1, SPEED/ADDITION "310/170."
8. REMARKS: UPDATED ACTUAL FACILITY LOCATION FROM "363319.80N/0821904.28W" TO "363319.79N/0821904.27W" AND ADDED "PAT 1 310 KIAS CONTROLLING OBSTRUCTION LIES 9973.42 FT INTO THE SECONDARY AREA: SECONDARY ADJUSTMENT -910.35."
9. FIX USE: COMBINED IAPS FROM "ILS OR LOC RWY 23, ILS RWY 23 (CAT II) AND ILS RWY 23 (SA CAT I)" TO "ILS OR LOC RWY 23 SA CAT I/CAT II."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KAMARUDINI RAIMI

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE: