

RADIO FIX AND HOLDING DATA RECORD

NAME: LENON

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 361657.51N/0861158.33W

TYPE: WP, DME

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	MRA	MAA
1	NASHVILLE	BNA	VORTAC	H	071.53	069.53	25.13	25.13	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	BNA	VORTAC	071.53	251.53	R	1		4000	6000	5	6
2	E		WP	071.53	251.53	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	361727.00N/0860821.00W	1303	4B
2	200	AAO	361727.00N/0860821.00W	1303	4B

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V140	1				TN (US)
IAP	ILS OR LOC RWY 20L	1	1	KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2R	1	1	KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT II - III)	1	1	KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (SA CAT I)	1	1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 20C			KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 20L		2	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2R		2	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 20L		2	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2R		2	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 1			KMQY	SMYRNA	TN (US)
IAP	RNAV (GPS) RWY 19			KMQY	SMYRNA	TN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

1) CONTROLLING OBSTRUCTIONS: OBSTRUCTION FOR BOTH PATTERNS CHANGED FROM "AAO 361729.80N/0860825.30W 1290" TO "AAO 361727.00N/0860821.00W 1303"
2) FIX USE: UPDATED KBNA ILS OR LOC/DME RWY 20L TO ILS OR LOC RWY 20L; UPDATED KBNA ILS OR LOC/DME RWY 2R TO ILS OR LOC RWY 2R; ADDED KBNA RNAV (RNP) Z RWY 20L.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DUSTIN HARDISON

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: NASHVILLE VORTAC

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 360813.06N/0864105.18W

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	NASHVILLE	BNA	VORTAC	VH						45000

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	E	BNA	VORTAC	080.87	260.87	L	15 18000	45000	28 29
2	E		WP	080.00	260.00	L	15 18000	45000	28 30

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST. 15 NM LEG LENGTHS ATC REQUEST.

PAT 2 ATC REQUEST. 15 NM LEG LENGTHS ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FACILITY MAGVAR 2W/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	DRUSE (RNAV)			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	BOBZY (RNAV)			KVUJ	ALBEMARLE	NC (US)
DP	BOBZY (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	BOBZY (RNAV)			KJQF	CONCORD	NC (US)
DP	BOBZY (RNAV)			KAKH	GASTONIA	NC (US)
DP	BOBZY (RNAV)			KIPJ	LINCOLNTON	NC (US)
DP	BOBZY (RNAV)			KEQY	MONROE	NC (US)
DP	BOBZY (RNAV)			KRUQ	SALISBURY	NC (US)
DP	BOBZY (RNAV)			KLKR	LANCASTER	SC (US)
DP	BOBZY (RNAV)			KUZA	ROCK HILL	SC (US)
DP	JOHN TUNE			KJWN	NASHVILLE	TN (US)
EN ROUTE	J45					(US)
EN ROUTE	J46					(US)
EN ROUTE	J73					(US)
EN ROUTE	Q19					(US)
EN ROUTE	Q32					(US)
EN ROUTE	Q36					(US)
EN ROUTE	V140					(US)
IAP	TACAN RWY 23			KHOP	FT CAMPBELL	KY (US)
IAP	VOR-A			KXNX	GALLATIN	TN (US)
IAP	RNAV (GPS) RWY 1			M54	LEBANON	TN (US)
IAP	RNAV (GPS) RWY 19			M54	LEBANON	TN (US)
IAP	ILS OR LOC RWY 20L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 20R			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2R			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2L (CAT II & III)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2L (SA CAT I)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT II & III)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (SA CAT I)			KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 13			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 20			KJWN	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 20			KJWN	NASHVILLE	TN (US)
IAP	ILS OR LOC/DME RWY 32			KMQY	SMYRNA	TN (US)
STAR	BOOSH (RNAV)			KSTL	ST LOUIS	MO (US)
STAR	BLUZZ (RNAV)		2	KMEM	MEMPHIS	TN (US)
STAR	WLDER		1	KMEM	MEMPHIS	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 40

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

1. DELETED KBNA ILS OR LOC RWY 31.
2. ADDED KBNA ILS OR LOC RWY 20L.
3. ADDED KBNA ILS OR LOC RWY 20R.
4. ADDED KBNA ILS OR LOC RWY 2R, ILS RWY 2R (CAT II&III).
5. DELETED KBN RNAV (GPS) Y RWY 20L, RNAV (GPS) Y RWY 20R, RNAV (GPS) Y RWY 2L, RNAV (GPS) Y RWY 2R, RNAV (GPS) Y RWY 31.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A422

NAME: BRITNEY ARMENTROUT**APPROVED BY:****DATE:** 08/28/2025**OFFICE:** AJV-A422**NAME:** RAKE MCGRAW**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: TANDS **STATE:** TN **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 363212.96N/0863348.65W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	NASHVILLE	BNA	VORTAC	VH	015.75	013.75	24.68	24.68	4000	17500
2	LIVINGSTON	LVT	VOR/DME	VL	270.00	268.00		67.58	4000	6100

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LVT	VOR/DME	R-270	68	4000	6100

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	N	BNA	VORTAC	015.75	195.75	L	1		4000	6000	5	7
2	N		WP	016.75	196.75	L		4	4000	6000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (47-000967)	363136.00N/0864114.00W	2049	5D
2	200	TOWER (47-000967)	363136.00N/0864114.00W	2049	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 PROVIDES SEPARATION FROM DEPARTURE ROUTE
PAT 2 ATC REQUEST

REMARKS:

NASHVILLE (FAC 1) AND LIVINGSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 2C	1, 2	1	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 20C			KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2C		2	KBNA	NASHVILLE	TN (US)
IAP	RNAV (RNP) Z RWY 2C		2	KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 20			KJWN	NASHVILLE	TN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 10/02/2025

REASON FOR REVISION:

FACILITIES MAKE-UP UPDATED FAC 2 MAA FROM 17500 TO 6100
ESV UPDATED MAX ALTITUDE FROM 17500 TO 6100
FIX USE REMOVED RNAV (GPS) Y RWY 20L AND 20R @ KBNA
FIX USE ADDED RNAV (RNP) Z RWY 2C @ KBNA
PATTERNS UPDATED PAT 1 TEMPLATES MIN AND MAX FROM 6-18 TO 6-7 MAX ALT FROM 17500 TO 6000
PATTERNS ADDED PAT WP TYPE ADDED TO FIX USE RNAV(GPS) RWY AND RNAV(RNP) RWY 31 @ KBNA

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** JOSHUA DUGAN

APPROVED BY: **DATE:** 08/28/2025 **OFFICE:** AJV-A431 **NAME:** ROBERT HAMILTON

SIGNATURE: