

# RADIO FIX AND HOLDING DATA RECORD

NAME: AUBRY STATE: TN COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 355151.12N/0833527.81W 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	VOLUNTEER	VXV	VORTAC	H	102.25	099.25	15.00	15.00	5000	17500

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	E	VXV	VORTAC	102.25	282.25	R	1	6000 17500	9 18

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	355351.00N/0831804.00W	3865	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATED.  
 PAT 1 ATC USE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V136	1				(US)
IAP	LOC RWY 26	1		KDKX	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 5			KMOR	MORRISTOWN	TN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 12/02/2021

## REASON FOR REVISION:

HOLDING: CHANGED PAT 1 LEG LENGTH TIME FROM 1 - 1 1/2 TO 1.  
 REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: BARRY SMITH

APPROVED BY: DATE: 06/30/2021 OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*  
**ALLAN WILL**  
 Jul 21, 2021

QUALITY  
32  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PITTE STATE: TN COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 355007.94N/0832249.68W TYPE: 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	VOLUNTEER	VXV	VORTAC	H	102.25	099.25	25.42	25.42	6000	17500
2	HARRIS	HRS	VORTAC	L	026.00	026.00		59.57	8000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HRS	VORTAC	R-026	60	8000	17500

## FIX RESTRICTIONS:

MCA V136 8000 EASTBOUND

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

VOLUNTEER (FAC 1) AND HARRIS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V136	1, 2		KDKX	KNOXVILLE	(US)
IAP	RNAV (GPS) RWY 26					TN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 12/02/2021

## REASON FOR REVISION:

REMARKS: ADDED FIX COORDINATES REMARK.  
 FIX USE: ADDED V136 - FIX IS USED AS MEA BREAK FOR AIRWAY.  
 REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 06/30/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

**ALLAN WILL**

Jul 21, 2021

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# RADIO FIX AND HOLDING DATA RECORD

**NAME:** VOLUNTEER VORTAC      **STATE:** TN      **COUNTRY:** US      **ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 355417.41N/0835340.99W      **TYPE:**

**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 FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H						45000

**FIX RESTRICTIONS:**

MCA V136 5000 EASTBOUND

**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		WP	236.00	236.00	L	6	4000	7 8
2	NE	VXV	VORTAC	056.00	236.00	R	1	4100	7 13

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
1	310	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
2	230	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
2	310	TOWER (47-000192)	360806.00N/0834329.00W	3049	1D

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 AIR TRAFFIC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 5R	KTYS	KNOXVILLE	TN (US)
2	RADAR-1	KTYS	KNOXVILLE	TN (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
HOLDING EVALUATED AT 230 KIAS TO SUPPORT MILITARY AIRCRAFT (KC-135) BASED AT KTYS.  
PAT 1 230 KIAS CONTROLLING OBSTACLE LIES IN SECONDARY AREA 9359 FT FROM EDGE OF PRIMARY.  
MAGVAR W03/1985.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	HICKORY (OBSTACLE)			KHKY	HICKORY	NC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	TAKEOFF MINIMUMS			KJAU	JACKSBORO	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	TAKEOFF MINIMUMS			KGKT	SEVIERVILLE	TN (US)
EN ROUTE	J22					(US)
EN ROUTE	J43					(US)
EN ROUTE	J46					(US)
EN ROUTE	J99					(US)
EN ROUTE	V115					(US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V185					(US)
EN ROUTE	V267					(US)
EN ROUTE	V384					(US)
EN ROUTE	V466					(US)
EN ROUTE	V519					(US)
EN ROUTE	V97					(US)
IAP	LOC RWY 26			KDKX	KNOXVILLE	TN (US)
IAP	VOR-B			KDKX	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	ILS RWY 23R (CAT II)			KTYS	KNOXVILLE	TN (US)

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IAP	ILS RWY 23R (SA CAT I)		KTYS	KNOXVILLE	TN (US)
IAP	RADAR-1	2	KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 5L	1	KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 5R	1	KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23L		KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23R		KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 23		KMNV	MADISONVILLE	TN (US)
IAP	NDB RWY 5		KMOR	MORRISTOWN	TN (US)
IAP	SDF RWY 5		KMOR	MORRISTOWN	TN (US)
IAP	RNAV (GPS) RWY 10		KGKT	SEVIERVILLE	TN (US)
IAP	VOR/DME RWY 10		KGKT	SEVIERVILLE	TN (US)
STAR	WHINZ		KATL	ATLANTA	GA (US)
STAR	DARBY		KJVV	JEFFERSONVILLE	IN (US)
STAR	HARDU		KCVG	COVINGTON	KY (US)
STAR	JAKIE (RNAV)		KCVG	COVINGTON	KY (US)
STAR	HARDU		K62	FALMOUTH	KY (US)
STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	DARBY		KSDF	LOUISVILLE	KY (US)
STAR	LIINN		KCLT	CHARLOTTE	NC (US)
STAR	LIINN		KAKH	GASTONIA	NC (US)
STAR	LIINN		KIPJ	LINCOLNTON	NC (US)
STAR	LIINN		KEQY	MONROE	NC (US)
STAR	LIINN		KEHO	SHELBY	NC (US)
STAR	LIINN		KAFF	WADESBORO	NC (US)
STAR	LIINN		N52	WAXHAW	NC (US)
STAR	HARDU		I69	BATAVIA	OH (US)
STAR	HARDU		KLUK	CINCINNATI	OH (US)
STAR	HARDU		KHAO	HAMILTON	OH (US)
STAR	LIINN		KDCM	CHESTER	SC (US)
STAR	LIINN		KLKR	LANCASTER	SC (US)
STAR	LIINN		KUZA	ROCK HILL	SC (US)
STAR	SWFFT (RNAV)		KBNA	NASHVILLE	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:** 25

**DATE OF REVISION:** 12/02/2021

**REASON FOR REVISION:**

AIRSPACE DOCKET: REMOVED 20-AEA-18.

FIX RESTRICTIONS: ADDED MCA V136 5000 EASTBOUND.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** BARRY SMITH

**APPROVED BY:**

**DATE:** 12/02/2021

**OFFICE:** AJV-A420

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