

# RADIO FIX AND HOLDING DATA RECORD

NAME: CEBAC

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 360150.63N/0834535.70W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	044.00	041.00	10.00	10.00		4000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

RESTRICTED - MILITARY USE ONLY.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-VOR OR TACAN RWY 23R	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 23R TO HI-VOR OR TACAN RWY 23R.
2. ADDED FAC 1 TO FIX USE FOR HI-VOR OR TACAN RWY 23R.
3. FIX MAKE-UP FACILITIES: ADDED DISTANCE FROM FAC 10.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*  
**DONALD H LANIER**

DISTRIBUTION:

NFDC  
FPO: ATL  
ARTCC: ZTL  
ATC FACILITY: TYS  
OTHER: NGB/ANG/C4AT

QUALITY  
24  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HINCH MOUNTAIN VOR/DME STATE: TN COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 354651.65N/0845842.43W 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	MRA	MAA
1	HINCH MOUNTAIN	HCH	VOR/DME	L						17500

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	SW		WP	211.02	031.02			5	5000	6000	6	6
2	SE	HCH	VOR/DME	155.04	335.04	R	1		5000	6000	5	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	354651.00N/0845842.00W	3206	4E
2	200	AAO	354651.00N/0845842.00W	3206	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 MAGVAR 2W/1985.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V311					(US)
EN ROUTE	V333					(US)
EN ROUTE	V347					(US)
EN ROUTE	V51					(US)
IAP	ILS OR LOC RWY 26		2	KCSV	CROSSVILLE	TN (US)
IAP	RNAV (GPS) RWY 26		1	KCSV	CROSSVILLE	TN (US)
IAP	VOR/DME-A		2	KCSV	CROSSVILLE	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)
IAP	ILS RWY 23R (SA CAT I)			KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	VOR/DME RWY 22			KRWK	ROCKWOOD	TN (US)
STAR	DARBY			KJVV	JEFFERSONVILLE	IN (US)
STAR	DARBY			KLOU	LOUISVILLE	KY (US)
STAR	DARBY			KSDF	LOUISVILLE	KY (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: 16

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 23R TO HI-VOR OR TACAN RWY 23R.
2. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.
3. REMOVED KTYS VOR RWY 23R FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY



APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY:  
OTHER:

*Digitally signed by*  
**DONALD H LANIER**  
May 13, 2021



# RADIO FIX AND HOLDING DATA RECORD

NAME: LUDDI

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354223.17N/0841753.47W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	242.00	239.00	23.00	23.00		6000	17500

## FIX RESTRICTIONS:

MILITARY ONLY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 5L	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 5L	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*  
**DONALD H LANIER**

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY: TYS APP CON  
OTHER:

QUALITY  
24  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: LURKE

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355948.61N/0842111.18W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	287.00	284.00	23.00	23.00		6000	17500

## FIX RESTRICTIONS:

MILITARY ONLY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 5L	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 5L	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**DONALD H LANIER**

May 13, 2021

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY: TYS APP CON  
OTHER:

QUALITY  
24  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MILLZ STATE: TN COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 360321.20N/0843909.42W TYPE: 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	287.00	284.00	38.00	38.00	6000	17500

FIX RESTRICTIONS:  
MILITARY ONLY

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	W	VXV	VORTAC	287.00	107.00	R	8	6000 17500	15 22

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	AAO	360900.00N/0842724.00W	3544	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	120

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

VOLUNTEER (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 HOLDING EVALUATED AT 310 KIAS TO SUPPORT ALL MILITARY AIRCRAFT.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI - ILS OR LOC RWY 23L	1	1	KTYS	KNOXVILLE	TN (US)
IAP	HI - ILS OR LOC RWY 23R	1	1	KTYS	KNOXVILLE	TN (US)
IAP	HI - ILS OR LOC RWY 5L	1	1	KTYS	KNOXVILLE	TN (US)
IAP	HI - VOR OR TACAN RWY 23R	1	1	KTYS	KNOXVILLE	TN (US)
IAP	HI - VOR OR TACAN RWY 5L	1	1	KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

- FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 23R TO HI-VOR OR TACAN RWY 23R.
- FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.
- CHANGED CONTROLLING OBSTACLE FOR PAT 1 FROM 3321 AAO 360618.00N/0842942.00W TO 3544 AAO 360900.00N/0842724.00W.
- ADDED 120 FT PRECIPITOUS TERRAIN TO PAT 1.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: LORRI DOWNEY  
 APPROVED BY: DATE: OFFICE: AJV-A430 NAME: LONNIE EVERHART  
 SIGNATURE: Digitally signed by  
 DONALD H LANIER  
 DISTRIBUTION: NFDC May 13, 2021  
 FPO: EST  
 ARTCC: ZTL  
 ATC FACILITY: TYS APP CON  
 OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: OCEPI

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355642.19N/0840538.00W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	287.00	284.00	10.00	10.00		6000	17500

## FIX RESTRICTIONS:

MILITARY ONLY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 23L	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23R	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 23R	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 23R TO HI-VOR OR TACAN RWY 23R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*  
**DONALD H LANIER**

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY: TYS APP CON  
OTHER:

May 13, 2021



# RADIO FIX AND HOLDING DATA RECORD

NAME: OMREE

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354415.14N/0840445.60W

TYPE: 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	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	225.00	222.00	13.48	13.48	81883	2700	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

RESTRICTED - MILITARY USE ONLY.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-VOR OR TACAN RWY 5L	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. MOVED FIX 145.98 FT (0.02 NM) NORTHEAST.
2. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.
3. UPDATED FIX MAKE-UP FACILITIES: CHANGED DME FROM 13.50 NM TO 13.48 NM, AND ADDED DISTANCE FROM FACILITY 13.48 NM AND 81883 FEET.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**DONALD H LANIER**

DISTRIBUTION:

NFDC  
FPO: ATL  
ARTCC: ZTL  
ATC FACILITY: TYS  
OTHER: NGB/ANG/C4AT

May 13, 2021

QUALITY  
24  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: QUICK

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354635.57N/0840210.99W

TYPE: 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	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	225.00	222.00	10.34	10.34		1600	17500

## FIX RESTRICTIONS:

MILITARY ONLY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI - VOR OR TACAN RWY 5L	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.
2. MOVED FIX 2242.23 FT (0.37 NM) SOUTHWEST.
3. UPDATED FIX MAKE-UP FACILITIES: CHANGED TRUE BRG FROM 222.48 TO 222.00, MAG BRG FROM 225.48 TO 225.00, DME AND DISTANCE FROM FAC FROM 9.98 TO 10.34 NM, AND CHANGED MRA FROM 1500 TO 1600.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**DONALD H LANIER**

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY: TYS APP CON  
OTHER:

May 13, 2021

QUALITY  
24  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: USAYA

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 360402.86N/0835054.53W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	016.00	013.00	10.00	10.00		6000	17500

## FIX RESTRICTIONS:

MILITARY ONLY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 23L	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23R	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 23R	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 23R TO HI-VOR OR TACAN RWY 23R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**DONALD H LANIER**

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY: TYS APP CON  
OTHER:

May 13, 2021



# RADIO FIX AND HOLDING DATA RECORD

NAME: WIGAR

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 353708.87N/0841233.61W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	225.00	222.00	23.00	23.00		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

RESTRICTED - MILITARY USE ONLY.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-VOR OR TACAN RWY 5L	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: ADDED 23.00 NM DISTANCE FROM FAC.
2. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*  
**DONALD H LANIER**  
May 13, 2021

DISTRIBUTION:

NFDC  
FPO: ATL  
ARTCC: ZTL  
ATC FACILITY: TYS  
OTHER: NGB/ANG/C4AT

QUALITY  
24  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: WINNA STATE: TN COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 361200.52N/0842629.24W TYPE: INT, 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	306.79	303.79	31.95	31.95	5500	17500
2	HINCH MOUNTAIN	HCH	VOR/DME	L	048.00	046.00		36.25	5500	17500

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	NW	VXV	VORTAC	306.79	126.79	R		5	6000	17500	15	22

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	TOWER (47-001483)	360633.00N/0842017.00W	4049	2E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	170

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

VOLUNTEER (FAC 1) AND HINCH MOUNTAIN (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 HOLDING EVALUATED AT 310 KIAS TO ACCOMODATE PROCEDURES PUBLISHED WITH CAT E MINIMUMS.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V384	1, 2				
IAP	HI-VOR OR TACAN RWY 5L	1	1	KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

- FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.
- ADDED CONTROLLER LOW TO REQUIRED CHARTING
- ADDED 170 FT PRECIPITOUS TERRAIN TO PAT 1 HOLDING.
- ADDED REMARK: HOLDING EVALUATED AT 310 KIAS TO ACCOMODATE PROCEDURES PUBLISHED WITH CAT E MINIMUMS.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: LORRI DOWNEY  
 APPROVED BY: DATE: OFFICE: AJV-A430 NAME: LONNIE EVERHART

## SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: EST  
 ARTCC: ZTL  
 ATC FACILITY: TYS APP CON  
 OTHER:  
 Digitally signed by  
 DONALD H LANIER  
 May 13, 2021



# RADIO FIX AND HOLDING DATA RECORD

NAME: YOBUD STATE: TN COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355822.82N/0841400.33W TYPE: 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 NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	287.00	284.00	17.00	17.00		6000	17500

FIX RESTRICTIONS:  
MILITARY ONLY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 23L	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23R	1		KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 23R	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 23R TO HI-VOR OR TACAN RWY 23R.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: LORRI DOWNEY

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: LONNIE EVERHART

SIGNATURE: Digitally signed by

**DONALD H LANIER**

DISTRIBUTION: NFDC  
FPO: EST  
ARTCC: ZTL  
ATC FACILITY: TYS APP CON  
OTHER:

May 13, 2021



# RADIO FIX AND HOLDING DATA RECORD

NAME: ZIPDO

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354757.65N/0840040.52W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	VOLUNTEER	VXV	VORTAC	H	225.00	222.00	8.50	8.50		1380	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

RESTRICTED - MILITARY USE ONLY.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI - VOR OR TACAN RWY 5L	1		KTYS	KNOXVILLE	TN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX USE: UPDATED PROCEDURE NAME FROM KTYS HI-VOR/DME OR TACAN RWY 5L TO HI-VOR OR TACAN RWY 5L.
2. ADDED 8.50 NM DISTANCE FROM FAC AND CHANGED MRA FROM 1320 TO 1380 IN FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**DONALD H LANIER**

May 13, 2021

DISTRIBUTION:

NFDC

FPO: ATL

ARTCC: ZTL

ATC FACILITY: TYS APP CON

OTHER: NGB/ANG/C4AT

