

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** JACKSON VOR/DME **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5  
**LATITUDE/LONGITUDE:** 421533.26N/0842730.78W **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 NM	FAC FEET	MRA	MAA
1	JACKSON	JXN	VOR/DME	L							17500

**FIX RESTRICTIONS:**

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	310	TOWER (26-000991)	422225.60N/0840410.22W	2045	1A

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR: 5W 1985.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V116					(US)
EN ROUTE	V221					(US)
EN ROUTE	V353					(US)
EN ROUTE	V45					(US)
IAP	RNAV (GPS) RWY 23			KADG	ADRIAN	MI (US)
IAP	VOR-A			KJYM	HILLSDALE	MI (US)
IAP	ILS OR LOC RWY 13.			KOZW	HOWELL	MI (US)
IAP	RNAV (GPS) RWY 13			KOZW	HOWELL	MI (US)
IAP	ILS OR LOC RWY 25			KJXN	JACKSON	MI (US)
STAR	CRUXX			KARB	ANN ARBOR	MI (US)
STAR	MIZAR			KDTW	DETROIT	MI (US)
STAR	CRUXX			KYIP	DETROIT	MI (US)
STAR	CRUXX			KONZ	DETROIT/GROSSE ILE	MI (US)
STAR	CRUXX			KOZW	HOWELL	MI (US)
STAR	CRUXX			KTTF	MONROE	MI (US)
STAR	CRUXX			KY47	NEW HUDSON	MI (US)
STAR	CRUXX			K1D2	PLYMOUTH	MI (US)
STAR	CRUXX			KPTK	PONTIAC	MI (US)
STAR	CRUXX			KVLL	TROY	MI (US)

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

**COMPULSORY REPORTING POINT:** LOW

**RECORD REVISION NUMBER:** 13 **DATE OF REVISION:** 12/07/2017

**REASON FOR REVISION:**

UPDATED FIX USE: REMOVED VOR RWY 6, VOR RWY 14, VOR RWY 32, AND ILS OR LOC RWY 24  
 ADDED TO FIX USE: ILS OR LOC RWY 25

**DEVELOPED BY:** **DATE:** 06/16/2017 **OFFICE:** AJV-5433 **NAME:** BEV L BORDY (STEVEN OWNBEY)

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: CEN  
 ARTCC: ZOB  
 ATC FACILITY: LAN, JXN APP CON  
 OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: LESSY STATE: MI COUNTRY: US ICAO REGION CODE: K5  
 LATITUDE/LONGITUDE: 422613.26N/0843302.97W 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	FAC FEET	MRA	MAA
1	SALEM	SVM	VORTAC	L	275.61	272.61	42.56	42.56		3000	17500
2	JACKSON	JXN	VOR/DME	L	343.97	338.97	11.43	11.43		3000	17500
3	LANGING	LAN	VORTAC	L	163.81	158.81	18.03	18.03		3000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SVM	VORTAC	R-276	43	3000	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	TEMPLATES MIN	MAX
1	W		WP	275.59	095.59	R		4	3000	14000	5	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-000062)	422633.00N/0843421.00W	1956	2D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

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

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V170	1, 2, 3				(US)
EN ROUTE	V45	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 21	1	1	KFPK	CHARLOTTE	MI (US)
IAP	ILS OR LOC RWY 25	1, 2	1	KJXN	JACKSON	MI (US)
IAP	RNAV (GPS) RWY 28	1	1	KTEW	MASON	MI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 DATE OF REVISION: 12/07/2017

## REASON FOR REVISION:

DELETED VOR RWY 6 AND VOR RWY 32 FROM FIX USE  
 ADDED KJXN ILS OR LOC RWY 25 TO FIX USE  
 DELETED SALEM VORTAC (SVM) HOLDING PATTERN, NO LONGER NEEDED

DEVELOPED BY: DATE: 05/24/2017 OFFICE: AJV-5433 NAME: BEV L BORDY (STEVEN OWNBEY)

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: CEN  
 ARTCC: ZOB  
 ATC FACILITY: LAN APP CON, LAN ATCT  
 OTHER: