

RADIO FIX AND HOLDING DATA RECORD

NAME: BUCKHORN NDB

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 374151.15N/0920613.68W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	BUCKHORN	BHN	NDB	MH						17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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	SE	BHN	NDB	144.24	324.24	R	1		2500	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	373954.00N/0920933.00W	1477	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN OVERLIES R-4501B & H. LETTER OF AGREEMENT BETWEEN ZKC
AND TBN ATCT ADDRESSING THIS FOR CONTROL OF RESTRICTED AREAS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 14		1	KTBN	FORT LEONARD WOOD	MO (US)
IAP	NDB RWY 32		1	KTBN	FORT LEONARD WOOD	MO (US)
IAP	NDB/DME RWY 14		1	KTBN	FORT LEONARD WOOD	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

FIX MOVED 5.31FT SOUTHEAST, UPDATED FACILITY L/L
HOLDING OBSTACLE UPDATED.
FIX USE UPDATED.

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: OFFICE: NAME:

APPROVED BY: DATE: OFFICE: AJV-A43 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: MKC
ARTCC: ZKC
ATC FACILITY: TBN
OTHER: MOARNG (SAAO)

RADIO FIX AND HOLDING DATA RECORD

NAME: SUNSHINE VOR/DME STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 380226.22N/0923608.68W 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	SUNSHINE	SHY	VOR/DME	L						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	SW	SHY	VOR/DME	217.04	037.04	R	1	3100 12000	4 9
2	SE	SHY	VOR/DME	138.33	318.33	L	1	2700 12000	4 9
3	NE	SHY	VOR/DME	046.54	226.54	L	1	3100 12000	4 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	375442.00N/0923800.00W	1391	4E
1	310	TOWER (29-001182)	374909.65N/0924452.12W	2083	1A
2	200	AAO	375554.00N/0923633.00W	1323	4E
3	200	AAO	375748.00N/0923709.00W	1260	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
 PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC/DME RWY 22	KAIZ	KAISER/LAKE OZARK	MO (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGNETIC VARIATION E0/2015.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-A		3	KOZS	CAMDENTON	MO (US)
IAP	ILS OR LOC RWY 15			KTBN	FORT LEONARD WOOD	MO (US)
IAP	LOC/DME RWY 22		1	KAIZ	KAISER/LAKE OZARK	MO (US)
IAP	VOR RWY 4		1	KAIZ	KAISER/LAKE OZARK	MO (US)
IAP	VOR RWY 32		2	KK15	OSAGE BEACH	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

UPDATED HOLDING PATTERN 3 COURSE/COURSE INBOUND FROM 046.53/226.53 TO 046.54/226.54.
 UPDATED HOLDING PATTERN 3 CONTROLLING OBSTACLE FROM 1267 AAO TO 1260 AAO.
 UPDATED FIX USE, CHANGED KTBN ILS OR LOC RWY 14 TO ILS OR LOC RWY 15.
 ADDED TO REQUIRED CHARTING CONTROLLER LOW.
 ADDED TO REMARKS FACILITY MAGNETIC VARIATION.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: FRANK JACKSON
 APPROVED BY: DATE: OFFICE: AJV-A43 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZKC
 ATC FACILITY: MIZZU APP CON
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ROACH **STATE:** MO **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 381223.49N/0924531.95W **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	VICHY	VIH	VOR/DME	L	267.94	273.94	49.87	49.87	3200	17500
2	SPRINGFIELD	SGF	VORTAC	H	024.05	028.05	57.85	57.85	6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VIH	VOR/DME	R-268	50	3200	17500
SGF	VORTAC	R-024	58	6000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

VICHY (FAC 1) AND SPRINGFIELD (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V234	1, 2				(US)
EN ROUTE	V63	1, 2				(US)
IAP	VOR-A	1, 2	KOZS		CAMDENTON	MO (US)
IAP	ILS OR LOC RWY 15	1, 2	KTBN		FORT LEONARD WOOD	MO (US)
IAP	VOR RWY 4	1, 2	KAIZ		KAISER/LAKE OZARK	MO (US)
IAP	VOR RWY 32	1, 2	KK15		OSAGE BEACH	MO (US)
IAP	NDB RWY 18	1, 2	KDMO		SEDALIA	MO (US)
IAP	NDB RWY 36	1, 2	KDMO		SEDALIA	MO (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 06/20/2019

REASON FOR REVISION:

UPDATED FIX USE, ADDED KTBN ILS OR LOC RWY 15.
UPDATED REQUIRED CHARTING, ADDED CONTROLLER LOW.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** FRANK JACKSON

APPROVED BY: **DATE:** **OFFICE:** AJV-A43 **NAME:** PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MIZZU APP CON
OTHER: