

# RADIO FIX AND HOLDING DATA RECORD

NAME: NEW CASTLE NDB STATE: IN COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395247.88N/0851907.80W 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	NEW CASTLE	UWL	NDB	MH						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	W	UWL	NDB	266.62	086.62	R	1		2700	6000	4	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	ANTENNA (18-044671)	394952.41N/0851903.11W	1408	1B

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 10	1	1	KUWL	NEW CASTLE	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

PAT 1: RAD/CRS/BRG CHANGED FROM 262.00 TO 266.62.  
PAT 1: CRS INBOUND CHANGED FROM 082.00 TO 086.62.  
FIX USE UPDATED.

DEVELOPED BY: DATE: 08/29/2017 OFFICE: AJV-5432 NAME: DEANNA FIELDS

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

SIGNATURE:

## DISTRIBUTION:

NFDC  
FPO: CEN  
ARTCC: ZID  
ATC FACILITY: IND APP CON  
OTHER:

QUALITY  
25  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RICHMOND VORTAC

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394518.03N/0845019.78W

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 FAC NM	FEET	MRA	MAA
1	RICHMOND	RID	VORTAC	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	RID	VORTAC	246.00	066.00	R	1	2700 6000	4 5
2	W	RID	VORTAC	264.18	084.18	R	1-1 1/2	2800 17500	4 16
3	E	RID	VORTAC	080.00	260.00	R	1	2700 6000	4 5
4	NE	RID	VORTAC	058.15	238.15	R	1	2700 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	394624.00N/0844430.00W	1414	4E
2	200	TOWER (18-000983)	394533.00N/0850016.00W	1475	2A
3	200	TOWER (39-001172)	394408.00N/0844320.00W	1478	5D
4	200	AAO	394527.90N/0844346.50W	1440	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	BNGLE (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	HAGOL (RNAV)			KCVG	COVINGTON	KY (US)
DP	RICHMOND			KARB	ANN ARBOR	MI (US)
DP	RICHMOND			KDET	DETROIT	MI (US)
DP	RICHMOND			KDTW	DETROIT	MI (US)
DP	RICHMOND			KYIP	DETROIT	MI (US)
DP	RICHMOND			KPTK	PONTIAC	MI (US)
DP	OBRLN			KBKL	CLEVELAND	OH (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	OBRLN			K1G1	ELYRIA	OH (US)
DP	OBRLN			KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN			K1G5	MEDINA	OH (US)
DP	OBRLN			K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN			K2G1	PAINESVILLE	OH (US)
DP	OBRLN			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	T213					(US)
EN ROUTE	V12		2			(US)
EN ROUTE	V12-517					(US)
EN ROUTE	V214					(US)
EN ROUTE	V340					(US)
EN ROUTE	V467					(US)
EN ROUTE	V517					(US)
IAP	ILS OR LOC RWY 18			KCEV	CONNERSVILLE	IN (US)
IAP	VOR-A		3	KCEV	CONNERSVILLE	IN (US)
IAP	NDB RWY 10			KUWL	NEW CASTLE	IN (US)
IAP	ILS OR LOC RWY 24		4	KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 24			KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 33			KRID	RICHMOND	IN (US)
IAP	RNAV(GPS) RWY 6			KRID	RICHMOND	IN (US)
IAP	VOR RWY 6		1	KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 8			KI22	WINCHESTER	IN (US)
IAP	VOR -A			KI22	WINCHESTER	IN (US)
IAP	ILS OR LOC RWY 24L			KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) Z RWY 36L			KDAY	DAYTON	OH (US)
IAP	NDB-A			KMGY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 29			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 11			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 29			KHAO	HAMILTON	OH (US)
IAP	NDB-A			KI68	LEBANON	OH (US)
IAP	RNAV (GPS) RWY 8			KI17	PIQUA	OH (US)
IAP	ILS OR LOC RWY 24			KSGH	SPRINGFIELD	OH (US)
STAR	CEGRM (RNAV)			KCVG	COVINGTON	KY (US)
STAR	DEBAR			KCVG	COVINGTON	KY (US)

QUALITY  
25  
CHECKED

STAR                      SHELBYVILLE                      KCVG                      COVINGTON                      KY (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 18

**DATE OF REVISION:** 02/01/2018

**REASON FOR REVISION:**

REMOVED KUWL NDB OR GPS RWY 9 AND VOR RWY 27 FROM FIX USE.  
ADDED KUWL NDB RWY 10 TO FIX USE.

**DEVELOPED BY:**                      **DATE:** 09/05/2017                      **OFFICE:** AJV-5432                      **NAME:** DEANNA FIELDS

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

**SIGNATURE:**

**DISTRIBUTION:**                      **NFDC**  
                                 **FPO:** CEN  
                                 **ARTCC:** ZID  
                                 **ATC FACILITY:** DAY, CVG, IND  
                                 **OTHER:**

