

RADIO FIX AND HOLDING DATA RECORD

NAME: CHARDON VOR/DME **STATE:** OH **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 413100.94N/0810947.47W **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	CHARDON	CXR	VOR/DME	H							45000

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	W	CXR	VOR/DME	286.00	106.00	R	1	3100 6000	4 5
2	S	CXR	VOR/DME	175.00	355.00	L	1	3000 6000	4 5
3	NW	CXR	VOR/DME	316.74	136.74	L	1	3000 6000	4 5
4	E	CXR	VOR/DME	099.00	279.00	R	1	4000 17500	4 16
5	NW	WP	WP	330.87	150.87	R		2900 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000197)	412754.00N/0811711.00W	2019	3C
2	200	TOWER (39-001483)	412858.20N/0811157.40W	1624	5D
3	200	TOWER (39-003969)	413457.39N/0810804.33W	1671	4D
4	200	TOWER (39-003969)	413457.39N/0810804.33W	1671	4D
5	200	TOWER (39-003969)	413457.39N/0810804.33W	1671	4D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
PAT 3 SEPARATION WITH YNG ATCT AIRSPACE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 5W 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ERRTH			KARB	ANN ARBOR	MI (US)
DP	ERRTH			KDET	DETROIT	MI (US)
DP	ERRTH			KDTW	DETROIT	MI (US)
DP	ERRTH			KYIP	DETROIT	MI (US)
DP	ERRTH			KPTK	PONTIAC	MI (US)
EN ROUTE	J146					(US)
IAP	ILS OR LOC RWY 24R			KBKL	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 24R			KBKL	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 24		1	KCGF	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 6		5	KCGF	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 6R			KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 6R (SA CAT II)			KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 27			K1G5	MEDINA	OH (US)
IAP	VOR-A		3	K7G8	MIDDLEFIELD	OH (US)
IAP	VOR OR GPS-A		2	K2G1	PAINESVILLE	OH (US)
IAP	NDB RWY 10			KLNN	WILLOUGHBY	OH (US)
IAP	RNAV (GPS) RWY 10		5	KLNN	WILLOUGHBY	OH (US)
IAP	RNAV (GPS) RWY 23			KLNN	WILLOUGHBY	OH (US)
IAP	RNAV (GPS) RWY 28			KLNN	WILLOUGHBY	OH (US)
IAP	RNAV (GPS) RWY 5			KLNN	WILLOUGHBY	OH (US)
STAR	LLEEO			CYQG	ONTARIO, CANADA	(CA)
STAR	LLEEO			KARB	ANN ARBOR	MI (US)
STAR	LLEEO			KDET	DETROIT	MI (US)
STAR	LLEEO			KYIP	DETROIT	MI (US)
STAR	LLEEO			KOZW	HOWELL	MI (US)
STAR	LLEEO			KMTC	MOUNT CLEMENS	MI (US)
STAR	LLEEO			KY47	NEW HUDSON	MI (US)
STAR	LLEEO			K1D2	PLYMOUTH	MI (US)
STAR	LLEEO			KPTK	PONTIAC	MI (US)
STAR	LLEEO			KVLL	TROY	MI (US)
STAR	CHARDON		4	KBKL	CLEVELAND	OH (US)
STAR	CHARDON		4	KCGF	CLEVELAND	OH (US)
STAR	CHARDON		4	KCLE	CLEVELAND	OH (US)
STAR	HIMEZ			KCLE	CLEVELAND	OH (US)
STAR	CHARDON		4	K1G1	ELYRIA	OH (US)
STAR	HIMEZ			K1G1	ELYRIA	OH (US)
STAR	CHARDON		4	KLPR	LORAIN/ELYRIA	OH (US)
STAR	HIMEZ			KLPR	LORAIN/ELYRIA	OH (US)

STAR	CHARDON	4	K1G5	MEDINA	OH (US)
STAR	HIMEZ		K1G5	MEDINA	OH (US)
STAR	CHARDON	4	K7G8	MIDDLEFIELD	OH (US)
STAR	CHARDON	4	K2G1	PAINESVILLE	OH (US)
STAR	CHARDON	4	KLNN	WILLOUGHBY	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. DELETED CHART HOLDING PAT 4 ON LOW ENROUTE & CHARDON STAR FROM REMARKS.
2. DELETED V232, V396, V486 FROM FIX USE.
3. DELETED KCLE ILS OR LOC RWY 24L, ILS OR LOC RWY 28, ILS OR LOC RWY 6L, ILS OR LOC/DME RWY 24R, ILS RWY 24L (CAT II), ILS RWY 24R (CAT I, II, III), ILS RWY 6L (CAT II, III), RNAV (GPS) RWY 24L, RNAV (GPS) RWY 24R, RNAV (GPS) RWY 28, RNAV (GPS) RWY 6L, RNAV (GPS) RWY 6R FROM FIX USE.
4. CHANGED IAP AT KCLE FROM ILS RWY 6R (CAT II) TO ILS RWY 6R (SA CAT II) IN FIX USE.

DEVELOPED BY: **DATE:** 11/20/2017 **OFFICE:** AJV-5422 **NAME:** KEVIN KESZLER

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZOB
ATC FACILITY: CLE APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WEIDS

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414316.32N/0810645.25W

TYPE: WP, RADAR

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	JEFFERSON	JFN	VOR/DME	L	267.01	262.01		16.54		5000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 24	1		KCGF	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 24			KCGF	CLEVELAND	OH (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. DELETED INT AND DME FROM FIX TYPE.
2. ADDED RADAR TO FIX TYPE.
3. DELETED FAC 1 YOUNGSTOWN YNG VORTAC FROM MAKE-UP FACILITIES.
4. DELETED UPN 200 KIAS CONTROLLING OBSTACLE.
5. DELETED UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000 FROM HOLDING RESTRICTIONS.
6. DELETED V10 FROM FIX USE.
7. ADDED FAC 1 TO ILS OR LOC RWY 24 KCGF FIX USE.
8. DELETED EN ROUTE LOW FROM REQUIRED CHARTING.

DEVELOPED BY:

DATE: 12/04/2017

OFFICE: AJV-5422

NAME: KEVIN KESZLER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: CLE APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WEXER

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412046.24N/0812234.03W

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	MRA	MAA
1	DRYER	DJB	VOR/DME	H	095.89	090.89	35.52	35.52	3000	17500
2	BRIGGS	BSV	VOR/DME	L	007.99	003.99	36.40	36.40	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	N		WP	015.61	195.61	R		4	3000	6000	5	6
2	E	DJB	VOR/DME	095.89	275.89	R	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-001674)	412749.00N/0811737.00W	1745	3C
2	200	TOWER (39-002395)	411726.19N/0811340.36W	1590	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

DRYER (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 24 (ALT MISS)	1, 2	2	KCGF	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 1		1	K1G3	KENT	OH (US)
IAP	RNAV (GPS) RWY 19		1	K1G3	KENT	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. CHANGED PAT1 OBSTRUCTION FROM TOWER (39-003731) TO READ TOWER (39-001674) AND COORDINATES FROM 412750.05N/0811738.30W TO READ 412749.00N/0811737.00W IN CONTROLLING OBSTRUCTIONS SECTION.
2. CHANGED PAT2 OBSTRUCTION FROM TOWER (39-000229) TO READ TOWER (39-002395), COORDINATES FROM 411717.00N/0811208.00W TO READ 411726.19N/0811340.36W, AND ELEVATION FROM 1637 TO READ 1590 IN CONTROLLING OBSTRUCTIONS SECTION.
3. REMOVED V6 ENROUTE FROM FIX USE SECTION.
4. REMOVED CONTROLLER AND EN ROUTE LOW FROM REQUIRED CHARTING SECTION.

DEVELOPED BY:

DATE: 12/13/2017

OFFICE: AJV-5423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: CAK, CLE
OTHER: