

RADIO FIX AND HOLDING DATA RECORD

NAME: DES MOINES VORTAC

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 412615.45N/0933854.81W

TYPE:

AIRSPACE DOCKET: 23-AGL-24

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	DES MOINES	DSM	VORTAC	VH						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	SW	DSM	VORTAC	222.03	042.03	R	1	4000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-000998)	412405.00N/0934323.00W	1417	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGVAR 7E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	MEADOW LAKE			KMSP	MINNEAPOLIS	MN (US)
DP	MINNEAPOLIS			KMSP	MINNEAPOLIS	MN (US)
DP	OMAHA			KOMA	OMAHA	NE (US)
EN ROUTE	J10					(US)
EN ROUTE	J144					(US)
EN ROUTE	J25					(US)
EN ROUTE	J45					(US)
EN ROUTE	Q19					(US)
EN ROUTE	T397					(US)
EN ROUTE	T465					(US)
EN ROUTE	V13					(US)
EN ROUTE	V161					(US)
EN ROUTE	V175					(US)
EN ROUTE	V294					(US)
EN ROUTE	V6					(US)
EN ROUTE	V77					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 1			KAMW	AMES	IA (US)
IAP	ILS OR LOC RWY 36		1	KIKV	ANKENY	IA (US)
IAP	RNAV (GPS) RWY 17			KCNC	CHARITON	IA (US)
IAP	ILS OR LOC RWY 13			KDSM	DES MOINES	IA (US)
IAP	ILS OR LOC RWY 31			KDSM	DES MOINES	IA (US)
IAP	ILS OR LOC RWY 5			KDSM	DES MOINES	IA (US)
IAP	ILS RWY 31 (CAT II - III)			KDSM	DES MOINES	IA (US)
IAP	ILS RWY 31 (SA CAT I)			KDSM	DES MOINES	IA (US)
IAP	VOR RWY 23			KDSM	DES MOINES	IA (US)
IAP	RNAV (GPS) RWY 18			I75	OSCEOLA	IA (US)
STAR	LANTK			KOFF	OMAHA	NE (US)
STAR	LANTK			KOMA	OMAHA	NE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AGL-24

FIX USE: REMOVED V52

REQUIRED CHARTING: REMOVED MILITARY IAP

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: IOWA CITY VOR/DME STATE: IA COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 413108.26N/0913647.71W 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	IOWA CITY	IOW	VOR/DME	VH							45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

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	S	IOW	VOR/DME	197.11	017.11	L	1		2600	6000	4	5
2	E	IOW	VOR/DME	100.00	280.00	R	1		3000	6000	4	5
3	S		WP	172.06	352.06	R		4	2600	6000	5	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-001376)	413025.07N/0913345.59W	1097	4D
1	310	TOWER (19-001088)	411603.00N/0914413.00W	1149	5D
2	200	TOWER (19-001376)	413025.07N/0913345.59W	1097	4D
3	200	TOWER (19-001376)	413025.07N/0913345.59W	1097	4D
3	310	TOWER (19-021372)	413455.00N/0914259.80W	1115	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR-A	KIOW	IOWA CITY	IA (US)
3	RNAV (GPS) RWY 25	KIOW	IOWA CITY	IA (US)

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	TAKEOFF MINIMUMS			KIOW	IOWA CITY	IA (US)
DP	CICERO			KMDW	CHICAGO	IL (US)
DP	MIDWAY			KMDW	CHICAGO	IL (US)
DP	O'HARE			KORD	CHICAGO	IL (US)
DP	PAL-WAUKEE			KPWK	CHICAGO/PROSPECT HGTS/WHEELING	IL (US)
EN ROUTE	J10					(US)
EN ROUTE	J146					(US)
EN ROUTE	J60					(US)
EN ROUTE	V216					(US)
EN ROUTE	V6					(US)
EN ROUTE	V67					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 27	1		KCID	CEDAR RAPIDS	IA (US)
IAP	ILS OR LOC RWY 27 (ALT MA)		1	KCID	CEDAR RAPIDS	IA (US)
IAP	ILS OR LOC RWY 9	1		KCID	CEDAR RAPIDS	IA (US)
IAP	ILS OR LOC RWY 9 (ALT MA)		1	KCID	CEDAR RAPIDS	IA (US)
IAP	RNAV (GPS) RWY 27			KCID	CEDAR RAPIDS	IA (US)
IAP	RNAV (GPS) RWY 31			KCID	CEDAR RAPIDS	IA (US)
IAP	RNAV (GPS) RWY 25	1	3	KIOW	IOWA CITY	IA (US)
IAP	RNAV (GPS) RWY 30	1	3	KIOW	IOWA CITY	IA (US)
IAP	VOR-A	1	1	KIOW	IOWA CITY	IA (US)
IAP	ILS OR LOC RWY 24			KMUT	MUSCATINE	IA (US)
IAP	ILS OR LOC RWY 24 (ALT MA)		2	KMUT	MUSCATINE	IA (US)
IAP	RNAV (GPS) RWY 11			8C4	TIPTON	IA (US)
IAP	VOR RWY 11			8C4	TIPTON	IA (US)
IAP	VOR RWY 36	1		KAWG	WASHINGTON	IA (US)
IAP	ILS OR LOC RWY 09			KMLI	MOLINE	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. CHANGED PAT 1 CRS INBOUND FROM "017.00" TO "017.11".
2. ADDED "310 TOWER (19-001088) 411603.00N/0914413.00W 1149 5D" TO PAT 1 CONTROLLING OBSTRUCTIONS.
3. ADDED "PAT 1 VOR-A AT KIW" TO PROCEDURES REQUIRING CLIMB-IN-HOLD.
4. ADDED "PAT 3" TO RNAV (GPS) RWY 30 AT KIW IN FIX USE.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

NAME: ROBERT SWINSON**APPROVED BY:****DATE:** 10/31/2024**OFFICE:** AJV-A432**NAME:** CASIMIR TABAKA**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: OMAHA VOR/DME STATE: IA COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 411001.80N/0954412.67W 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	OMAHA	OVR	VOR/DME	VH						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	E	OVR	VOR/DME	104.00	284.00	R	1	3000 6000	4 5
2	SE	OVR	VOR/DME	133.00	313.00	R	1	2900 6000	4 5
3	E		WP	107.00	287.00	R		4 3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410748.00N/0954720.00W	1540	2C
2	200	TOWER (19-020083)	410553.30N/0954537.32W	1607	4D
3	200	TOWER (19-002579)	411442.91N/0954133.28W	1566	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E8/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	MEADOW LAKE			KMSP	MINNEAPOLIS	MN (US)
DP	MINNEAPOLIS			KMSP	MINNEAPOLIS	MN (US)
EN ROUTE	J151					(US)
EN ROUTE	J21					(US)
EN ROUTE	J41					(US)
EN ROUTE	V138					(US)
EN ROUTE	V159					(US)
EN ROUTE	V172					(US)
EN ROUTE	V181					(US)
EN ROUTE	V6					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 36		1	KCBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 18			KCBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 36			KCBF	COUNCIL BLUFFS	IA (US)
IAP	VOR-A		2	KCBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 5			KRDK	RED OAK	IA (US)
IAP	VOR/DME-A			KRDK	RED OAK	IA (US)
IAP	VOR/DME RWY 12			KSDA	SHENANDOAH	IA (US)
IAP	VOR RWY 14			KFET	FREMONT	NE (US)
IAP	ILS OR LOC RWY 14L		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 14R		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 18		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 32L		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 32R		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 36		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT II)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT III)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (SA CAT I)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 32R (CAT II)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 32R (CAT III)		1	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14L		3	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14R		3	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 18			KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32R			KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 36			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14L		3	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R		3	KOMA	OMAHA	NE (US)
IAP	NDB RWY 16			KPMV	PLATTSMOUTH	NE (US)
IAP	NDB RWY 34			KPMV	PLATTSMOUTH	NE (US)
STAR	HOWRY			KOFF	OMAHA	NE (US)
STAR	LANTK			KOFF	OMAHA	NE (US)
STAR	MARWI			KOFF	OMAHA	NE (US)
STAR	HOWRY			KOMA	OMAHA	NE (US)
STAR	LANTK			KOMA	OMAHA	NE (US)
STAR	MARWI			KOMA	OMAHA	NE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 33

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

KAFK NDB RWY 15/33 REMOVED FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: HOWARD HAWKINS

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE: