

RADIO FIX AND HOLDING DATA RECORD

NAME: ABERDEEN VOR/DME

STATE: SD

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 452502.48N/0982207.39W

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	ABERDEEN	ABR	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 LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE	ABR	VOR/DME	124.00	304.00	R	1	3000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (46-000426)	452757.00N/0982013.00W	1801	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 7E (1985).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J158					(US)
EN ROUTE	J32					(US)
EN ROUTE	J45					(US)
EN ROUTE	J70					(US)
EN ROUTE	J90					(US)
EN ROUTE	Q19					(US)
EN ROUTE	T405					(US)
EN ROUTE	T462					(US)
EN ROUTE	V15					(US)
EN ROUTE	V170					(US)
EN ROUTE	V263					(US)
EN ROUTE	V344					(US)
IAP	ILS OR LOC RWY 31		1	ABR	ABERDEEN	SD (US)
IAP	RNAV (GPS) RWY 31			ABR	ABERDEEN	SD (US)
IAP	VOR RWY 31		1	ABR	ABERDEEN	SD (US)
IAP	RNAV (GPS) RWY 13			BTN	BRITTON	SD (US)
IAP	ILS OR LOC RWY 35			ATY	WATERTOWN	SD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 29

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

- HOLDING: PATTERNS: REMOVED PAT 2.
- FIX USE: REMOVED IAP: VOR RWY 13 AT KABR ABERDEEN SD (US).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: BRYANT SMITH

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DELLS VORTAC STATE: WI COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 433303.01N/0894549.04W 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	DELLS	DLL	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	DLL	VORTAC	007.00	187.00	R	1		3000	6000	4	12
2	N	DLL	VORTAC	360.00	180.00	L	1		4000	17500	8	16
3	E		WP	081.00	261.00	R		4	3500	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (55-000991)	433031.96N/0895109.91W	1461	4D
1	310	AAO	432503.00N/0894815.00W	1703	4E
2	265	TOWER (55-000991)	433031.96N/0895109.91W	1461	4D
3	200	AAO	432954.00N/0893954.00W	1368	4B
3	310	AAO	432639.00N/0894033.00W	1706	4B

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR-A	DLL	BARABOO	WI (US)
1	LOC RWY 1	DLL	BARABOO	WI (US)
3	RNAV (GPS) RWY 36	C35	REEDSBURG	WI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: E3 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNUPE (RNAV)			ANE	MINNEAPOLIS	MN (US)
DP	SNUPE (RNAV)			FCM	MINNEAPOLIS	MN (US)
DP	SNUPE (RNAV)			MSP	MINNEAPOLIS	MN (US)
DP	SNUPE (RNAV)			STP	ST PAUL	MN (US)
EN ROUTE	J34					(US)
EN ROUTE	J538					(US)
EN ROUTE	J68					(US)
EN ROUTE	V170					(US)
EN ROUTE	V228					(US)
EN ROUTE	V345					(US)
EN ROUTE	V510					(US)
EN ROUTE	V82					(US)
IAP	LOC RWY 1		1	DLL	BARABOO	WI (US)
IAP	VOR-A		1	DLL	BARABOO	WI (US)
IAP	RNAV (GPS) RWY 1			DLL	BARABOO	WI (US)
IAP	ILS OR LOC/DME RWY 27		2	VOK	CAMP DOUGLAS	WI (US)
IAP	VOR RWY 18			FLD	FOND DU LAC	WI (US)
IAP	RNAV (GPS) RWY 33			63C	FRIENDSHIP (ADAMS)	WI (US)
IAP	LOC RWY 27			LNR	LONE ROCK	WI (US)
IAP	RNAV (GPS) RWY 27			LNR	LONE ROCK	WI (US)
IAP	RNAV (GPS) RWY 9			LNR	LONE ROCK	WI (US)
IAP	ILS OR LOC RWY 18			MSN	MADISON	WI (US)
IAP	ILS OR LOC RWY 21			MSN	MADISON	WI (US)
IAP	ILS OR LOC/DME RWY 36			MSN	MADISON	WI (US)
IAP	ILS RWY 18 (SA CAT I-II)			MSN	MADISON	WI (US)
IAP	ILS RWY 36 (CAT II-III)			MSN	MADISON	WI (US)
IAP	ILS RWY 36 (SA CAT I)			MSN	MADISON	WI (US)
IAP	RNAV (GPS) RWY 18			MSN	MADISON	WI (US)
IAP	LOC/DME RWY 10			C29	MIDDLETON	WI (US)
IAP	VOR RWY 28			C29	MIDDLETON	WI (US)
IAP	RNAV (GPS) RWY 36			DAF	NECEDAH	WI (US)
IAP	RNAV (GPS) RWY 32			82C	NEW LISBON	WI (US)
IAP	RNAV (GPS) RWY 18			91C	PRAIRIE DU SAC	WI (US)
IAP	RNAV (GPS) RWY 36			91C	PRAIRIE DU SAC	WI (US)
IAP	RNAV (GPS) RWY 18		3	C35	REEDSBURG	WI (US)

IAP	RNAV (GPS) RWY 36	3	C35	REEDSBURG	WI (US)
IAP	RNAV (GPS)-A		93C	RICHLAND CENTER	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 26

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. PROCEDURES REQUIRING CLIMB-IN-HOLD: ADDED PAT 1 VOR-A AT DLL.
2. FIX USE: REMOVED DP COULT AT KANE, KFCM, KMSP AND KSTP.
3. FIX USE: REMOVED DP MEADOW LAKE AND MINNEAPOLIS AT KMSP.
4. FIX USE: ADDED DP SNUPE (RNAV) AT KANE, KFCM, KMSP AND KSTP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: EMMANUEL GONZALES

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

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:

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			DSM	DES MOINES	IA (US)
DP	OMAHA			OMA	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			AMW	AMES	IA (US)
IAP	ILS OR LOC RWY 36		1	IKV	ANKENY	IA (US)
IAP	RNAV (GPS) RWY 17			CNC	CHARITON	IA (US)
IAP	ILS OR LOC RWY 13			DSM	DES MOINES	IA (US)
IAP	ILS OR LOC RWY 31			DSM	DES MOINES	IA (US)
IAP	ILS OR LOC RWY 5			DSM	DES MOINES	IA (US)
IAP	ILS RWY 31 (CAT II - III)			DSM	DES MOINES	IA (US)
IAP	ILS RWY 31 (SA CAT I)			DSM	DES MOINES	IA (US)
IAP	VOR RWY 23			DSM	DES MOINES	IA (US)
IAP	RNAV (GPS) RWY 18			I75	OSCEOLA	IA (US)
STAR	LANTK			OFF	OMAHA	NE (US)
STAR	LANTK			OMA	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: 26

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. REMOVED AIRSPACE DOCKET: 23-AGL-24.
2. FIX USE: REMOVED DP MEADOW LAKE AND MINNEAPOLIS AT KMSP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TAYLOR KENNEY

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: FARGO VOR/DME

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 464512.01N/0965104.75W

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	FARGO	FAR	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	FAR	VOR/DME	179.79	359.79	R	1		2500	6000	4	13
2	SW	FAR	VOR/DME	240.05	060.05	R	1		2700	6000	4	5
3	SW	FAR	VOR/DME	228.49	048.49	R	1		2700	6000	4	5
4	NE	FAR	VOR/DME	029.87	209.87	R	1		2800	6000	12	13
5	SW		WP	240.00	060.00	R		4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (38-000036)	464902.00N/0964808.00W	1339	4D
1	310	TOWER (27-000206)	464909.00N/0964557.00W	1352	4D
2	200	TOWER (38-000270)	464807.00N/0965300.00W	1306	4D
3	200	TOWER (38-000270)	464807.00N/0965300.00W	1306	4D
4	310	TOWER (27-000206)	464909.00N/0964557.00W	1352	4D
5	200	TOWER (38-000270)	464807.00N/0965300.00W	1306	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	ILS OR LOC RWY 36	FAR	FARGO	ND (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR E9/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J140					(US)
EN ROUTE	J36					(US)
EN ROUTE	T407					(US)
EN ROUTE	V181					(US)
EN ROUTE	V2					(US)
EN ROUTE	V344					(US)
EN ROUTE	V510					(US)
IAP	RNAV (GPS) RWY 34		5	04Y	HAWLEY	MN (US)
IAP	VOR/DME-A		2	04Y	HAWLEY	MN (US)
IAP	RNAV (GPS) RWY 30			JKJ	MOORHEAD	MN (US)
IAP	VOR-A		3	JKJ	MOORHEAD	MN (US)
IAP	ILS OR LOC RWY 18		1	FAR	FARGO	ND (US)
IAP	ILS OR LOC RWY 36		4	FAR	FARGO	ND (US)
IAP	VOR RWY 36		1	FAR	FARGO	ND (US)
IAP	RNAV (GPS) RWY 11			K74	KINDRED	ND (US)
IAP	RNAV (GPS) RWY 29			K74	KINDRED	ND (US)
STAR	GOPHER			ANE	MINNEAPOLIS	MN (US)
STAR	GOPHER			FCM	MINNEAPOLIS	MN (US)
STAR	GOPHER			LVN	MINNEAPOLIS	MN (US)
STAR	GOPHER			MIC	MINNEAPOLIS	MN (US)
STAR	GOPHER			MSP	MINNEAPOLIS	MN (US)
STAR	GOPHER			STP	ST PAUL	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

- HOLDING PATTERN ASSOCIATION 3, FAR, VOR/DME AND ASSOCIATED CONTROLLING OBSTRUCTION AND REASON FOR NON STANDARD HOLDING "PAT 3 AT REQUEST" DELETED.
- FIX USE IAP, VOR/DME RWY 31, K5N8 CASSELTON DELETED.

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

AJV-A432

NAME: JAMIE KUNKLER**APPROVED BY:****DATE:** 04/09/2026**OFFICE:** AJV-A432**NAME:** CASIMIR TABAKA**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: FARMINGTON VORTAC STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 443751.43N/0931055.39W 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	FARMINGTON	FGT	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	S	FGT	VORTAC	178.03	358.03	R	1	3000 14000	4 10
2	E	FGT	VORTAC	085.00	265.00	L	1	2800 14000	4 10
3	S	WP	WP	178.03	358.03	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000313)	442835.00N/0931107.00W	1474	2C
2	200	TOWER (27-001333)	443417.00N/0930441.00W	1360	5D
3	200	TOWER (27-000313)	442835.00N/0931107.00W	1474	2C

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
ASSIGNED FACILITY MAGVAR: 6E (1965)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V13					(US)
EN ROUTE	V161					(US)
EN ROUTE	V171					(US)
EN ROUTE	V26					(US)
EN ROUTE	V82					(US)
IAP	COPTER ILS OR LOC RWY 10R			FCM	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 10R			FCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 10L			FCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 28L			FCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 28R			FCM	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30		2	LVN	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 30			LVN	MINNEAPOLIS	MN (US)
IAP	VOR RWY 12		2	LVN	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 12R		1	MSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12R (CAT II - III)		1	MSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12R (SA CAT I)		1	MSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 17		1	MSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 22		1	MSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 22		3	MSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 12R		3	MSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 12R		3	MSP	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30			OWA	OWATONNA	MN (US)
IAP	ILS OR LOC RWY 9		2	RGK	RED WING	MN (US)
IAP	LOC RWY 34			SGS	SOUTH ST PAUL	MN (US)
IAP	RNAV (GPS) RWY 34			SGS	SOUTH ST PAUL	MN (US)
IAP	ILS OR LOC RWY 14			STP	ST PAUL	MN (US)
IAP	ILS OR LOC RWY 32			STP	ST PAUL	MN (US)
STAR	AGUDE			CFE	BUFFALO	MN (US)
STAR	AGUDE			FBL	FARIBAULT	MN (US)
STAR	AGUDE			Gyl	GLENCOE	MN (US)
STAR	AGUDE			MGG	MAPLE LAKE	MN (US)
STAR	AGUDE			ANE	MINNEAPOLIS	MN (US)
STAR	AGUDE			FCM	MINNEAPOLIS	MN (US)
STAR	AGUDE			LVN	MINNEAPOLIS	MN (US)
STAR	AGUDE			MIC	MINNEAPOLIS	MN (US)
STAR	KASPR			MSP	MINNEAPOLIS	MN (US)
STAR	AGUDE			SGS	SOUTH ST PAUL	MN (US)
STAR	AGUDE			21D	ST PAUL	MN (US)
STAR	AGUDE			STP	ST PAUL	MN (US)
STAR	AGUDE			RNH	NEW RICHMOND	WI (US)
STAR	AGUDE			OEO	OSCEOLA	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 32

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED DP ORSKY, ROCHESTER, AND SCHEP FROM KANE, KFCM, KMSP AND KSTP.
2. FIX USE: REMOVED DP COULT, MEADOW LAKE, WLSTN, MINNEAPOLIS AND ZMBRO FROM KMSP.
3. REQUIRED CHARTING: REMOVE DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: EMMANUEL GONZALES

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

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:** NO CHANGE

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 TIME	LENGTH 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			DSM	DES MOINES	IA (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	CBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 18			CBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 36			CBF	COUNCIL BLUFFS	IA (US)
IAP	VOR-A		2	CBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 5			RDK	RED OAK	IA (US)
IAP	VOR/DME RWY 12			SDA	SHENANDOAH	IA (US)
IAP	VOR RWY 14			FET	FREMONT	NE (US)
IAP	ILS OR LOC RWY 14L		1	OMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 14R		1	OMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 18		1	OMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 32L		1	OMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 32R		1	OMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 36		1	OMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT II)		1	OMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT III)		1	OMA	OMAHA	NE (US)
IAP	ILS RWY 14R (SA CAT I)		1	OMA	OMAHA	NE (US)
IAP	ILS RWY 32R (CAT II)		1	OMA	OMAHA	NE (US)
IAP	ILS RWY 32R (CAT III)		1	OMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14L		3	OMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14R		3	OMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 18			OMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32L			OMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32R			OMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 36			OMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14L		3	OMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R		3	OMA	OMAHA	NE (US)
STAR	HOWRY			OFF	OMAHA	NE (US)
STAR	LANTK			OFF	OMAHA	NE (US)
STAR	MARWI			OFF	OMAHA	NE (US)
STAR	HOWRY			OMA	OMAHA	NE (US)
STAR	LANTK			OMA	OMAHA	NE (US)
STAR	MARWI			OMA	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:** 35**DATE OF REVISION:** 05/14/2026**REASON FOR REVISION:**

-REMOVED FIX USE: IAP VOR/DME-A AT KRDK, RED OAK, IA.
-REMOVED FIX USE: IAP NDB RWY 16 AT KPMV, PLATTSMOUTH, NE.
-REMOVED FIX USE: IAP NDB RWY 34 AT KPMV, PLATTSMOUTH, NE.

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

AJV-A433

NAME: TROY PURNELL**APPROVED BY:****DATE:** 04/09/2026**OFFICE:** AJV-A433**NAME:** ROBERT HAMILTON**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: SIOUX FALLS VORTAC

STATE: SD

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 433858.17N/0964652.05W

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	SIOUX FALLS	FSD	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	FSD	VORTAC	327.00	147.00	L	1		3400	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (46-000442)	434449.00N/0965320.00W	2270	3D
1	310	TOWER (46-000442)	434449.00N/0965320.00W	2270	3D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AT REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	FSD	SIOUX FALLS	SD (US)

REMARKS:

CHART PAT 1 EN ROUTE LOW.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 9E 1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OMAHA			OMA	OMAHA	NE (US)
DP	TAKEOFF MINIMUMS		1	FSD	SIOUX FALLS	SD (US)
EN ROUTE	J114					(US)
EN ROUTE	J16					(US)
EN ROUTE	J45					(US)
EN ROUTE	J82					(US)
EN ROUTE	Q19					(US)
EN ROUTE	T348					(US)
EN ROUTE	T407					(US)
EN ROUTE	V120					(US)
EN ROUTE	V148					(US)
EN ROUTE	V170					(US)
EN ROUTE	V80					(US)
IAP	ILS OR LOC RWY 12			MML	MARSHALL	MN (US)
IAP	RNAV (GPS) RWY 18			PQN	PIPESTONE	MN (US)
IAP	ILS OR LOC RWY 12			BKX	BROOKINGS	SD (US)
IAP	RNAV (GPS) RWY 30			BKX	BROOKINGS	SD (US)
IAP	RNAV (GPS) RWY 33			MDS	MADISON	SD (US)
IAP	HI-ILS OR LOC RWY 21			FSD	SIOUX FALLS	SD (US)
IAP	HI-ILS Z OR LOC Z RWY 3			FSD	SIOUX FALLS	SD (US)
IAP	HI-TACAN RWY 15			FSD	SIOUX FALLS	SD (US)
IAP	ILS OR LOC RWY 21		1	FSD	SIOUX FALLS	SD (US)
IAP	ILS OR LOC RWY 3		1	FSD	SIOUX FALLS	SD (US)
IAP	RADAR-1		1	FSD	SIOUX FALLS	SD (US)
IAP	RNAV (GPS) RWY 27			FSD	SIOUX FALLS	SD (US)
IAP	RNAV (GPS) RWY 9			FSD	SIOUX FALLS	SD (US)
IAP	VOR OR TACAN RWY 15		1	FSD	SIOUX FALLS	SD (US)
IAP	VOR/DME OR TACAN RWY 33		1	FSD	SIOUX FALLS	SD (US)
STAR	ENCEE (RNAV)			ANE	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			FCM	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			LVN	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			MIC	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			STP	ST PAUL	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 33

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

REMOVED MML VOR RWY 12 FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE: