

RADIO FIX AND HOLDING DATA RECORD

NAME: CLASS

STATE: ID

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 475128.63N/1160850.85W

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	FEET	MRA	MAA
1	SPOKANE	GEG	VORTAC	VH	059.10	073.10	62.47	62.47		9000	17500
2	MULLAN PASS	MLP	VOR/DME	VH	305.00	320.00		31.52		9000	17500
3	COEUR D'ALENE	COE	VOR/DME	T	060.22	079.22	27.69	27.69		11000	14300

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GEG	VORTAC	R-059	63	9000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SPOKANE (FAC 1) AND MULLAN PASS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V 448	1, 2, 3				ID (US)
IAP	RNAV (GPS) RWY 2			65S	BONNERS FERRY	ID (US)
IAP	ILS OR LOC RWY 6	1, 2, 3		KCOE	COEUR D'ALENE	ID (US)
IAP	LOC-A	1, 2, 3		KSZT	SANDPOINT	ID (US)
IAP	RNAV (GPS)-B			KSZT	SANDPOINT	ID (US)
IAP	GPS-A			S59	LIBBY	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITIES: SPOKANE (GEG) VORTAC MAG BRG FROM 052.10 TO 059.10.
2. UPDATED EXPANDED SERVICE VOLUME (ESV): GEG RADIAL/BEARING FROM 052 TO 059.
3. UPDATED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW.
4. UPDATED FIX USE: FROM "ILS OR LOC/DME RWY 5" TO "ILS OR LOC RWY 6" AT KCOE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DIANN

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480951.41N/1171039.51W

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	FEET	MRA	MAA
1	SPOKANE	GEG	VORTAC	VH	012.60	026.60	40.30	40.30		11000	17500
2	COEUR D'ALENE	COE	VOR/DME	T	309.59	328.59		27.52		9000	12000
3	MULLAN PASS	MLP	VOR/DME	VH	290.00	305.00		75.10		12000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GEG	VORTAC	R-006	41	11000	17500
COE	VOR/DME	R-310	28	7000	11000
MLP	VOR/DME	R-290	76	12000	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	W		WP	285.00	105.00	R		7	8100	14000	10	16
2	E		WP	088.55	268.85	L		7	7000	11000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	481717.70N/1173418.80W	5973	2C
1	310	AAO	482303.00N/1172924.00W	6067	4E
2	230	AAO	480450.10N/1165712.10W	5319	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	212
1	310	212
2	230	126

REASON FOR NONSTANDARD HOLDING:

PAT 2 TO REMAIN WITHIN FLOOR OF CONTROLLED AIRSPACE.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 34	KDEW	DEER PARK	WA (US)

REMARKS:

SPOKANE (FAC 1) AND COEUR D'ALENE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V112	1, 2, 3				(US)
IAP	ILS OR LOC RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS) RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS)-B			KSZT	SANDPOINT	ID (US)
IAP	RNAV GPS Y RWY 20			KSZT	SANDPOINT	ID (US)
IAP	RNAV GPS Z RWY 20			KSZT	SANDPOINT	ID (US)
IAP	RNAV (GPS) RWY 16			KDEW	DEER PARK	WA (US)
IAP	RNAV (GPS) RWY 34		1	KDEW	DEER PARK	WA (US)
IAP	RNAV (GPS) RWY 4L			KSFF	SPOKANE	WA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. CHANGED GEG VORTAC FAC 1 MAG BRG FROM 005.6 TO 012.6
2. CHANGED "ILS OR LOC/DME RWY 6" TO "ILS OR LOC RWY 6" AT KCOE IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST**APPROVED BY:****DATE:** 06/15/2023**OFFICE:** AJV-A430**NAME:** JOHNNIE BAKER**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: HILIE

STATE: ID

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473105.33N/1164122.93W

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	MULLAN PASS	MLP	VOR/DME	VH	260.33	275.33	42.63	42.63	6700	45000
2	COEUR D'ALENE	COE	VOR/DME	T	141.86	160.86	16.23	16.23	9100	17500
3	SPOKANE	GEG	VORTAC	VH	079.87	093.87	38.20	38.20	9100	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
COE	VOR/DME	R-142	17	14300	17500
MLP	VOR/DME	R-260	43	6700	21000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MULLAN PASS (FAC 1) AND COEUR D'ALENE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J136	1, 3				(US)
EN ROUTE	T268					(US)
EN ROUTE	V2	1, 2				(US)
IAP	ILS OR LOC/DME RWY 6	2		KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS) Y RWY 21			KGEG	SPOKANE	WA (US)
IAP	RNAV (GPS) Y RWY 26			KGEG	SPOKANE	WA (US)
IAP	RNAV (GPS) Y RWY 3			KGEG	SPOKANE	WA (US)
IAP	ILS OR LOC RWY 22R			KSFF	SPOKANE	WA (US)
IAP	ILS OR LOC RWY 22R	2		KSFF	SPOKANE	WA (US)
STAR	HILIE	1, 2, 3		KGEG	SPOKANE	WA (US)
STAR	HILIE	1, 2, 3		KSFF	SPOKANE	WA (US)
STAR	HILIE	1, 2, 3		KSKA	SPOKANE	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

CHANGED FIX MAKEUP FACILITY GEG MAGNETIC BEARING FROM 72.87 TO 79.87 - GEG MAGVAR CHANGED FROM E21 TO E14

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TAYLOR GIBSON

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: POBIY

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474138.83N/1170909.57W

TYPE: WP, 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 FEET	MRA	MAA
1	COEUR D'ALENE	I-COE	LOC		231.05	250.05		15.00	5600	6800
2	COEUR D'ALENE	COE	VOR/DME	T	231.57	250.57	14.27	14.27	5600	14300
3	SPOKANE	GEG	VORTAC	VH	053.88	067.88	20.75	20.75	5600	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	I-COE	LOC	231.05	051.05	L	4	5600 6800	5 8
2	SW		WP	230.81	050.81	L	5	5600 8000	6 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (53-000126)	473541.00N/1171757.00W	4548	4D
2	200	TOWER (53-000126)	473541.00N/1171757.00W	4548	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 PAT-1 AVOID MT TERRAIN

PAT 2 PAT-2 AVOID MT TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 6	1, 2, 3	1	KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS) RWY 6		2	KCOE	COEUR D'ALENE	ID (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. CHANGED GEG VORTAC FAC 3 MAG BRG FROM 46.88 TO 53.88

2. CHANGED "ILS OR LOC/DME RWY 6" TO "ILS OR LOC RWY 6" AT KCOE IN FIX USE.

3. CHANGED PRECIPITOUS TERRAIN EVALUATION REMARK TO READ "PRECIPITOUS TERRAIN EVALUATION COMPLETED".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SPOKANE VORTAC **STATE:** WA **COUNTRY:** US **ICAO REGION CODE:** K1

LATITUDE/LONGITUDE: 473353.81N/1173736.79W **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	SPOKANE	GEG	VORTAC	VH						45000

FIX RESTRICTIONS:

MCA T268 5300 EASTBOUND
MCA V120 5200 EASTBOUND
MCA V2 5200 EASTBOUND
MCA V448 5200 NORTHEAST BOUND

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	GEG	VORTAC	248.00	068.00	R	1	4800 35000	5 25
2	SW	GEG	VORTAC	215.00	035.00	R	1	4200 35000	5 25
3	N	GEG	VORTAC	007.00	187.00	R	1 1/2	20000 35000	17 25
4	SW	GEG	VORTAC	213.91	033.91	R	1	4200 6200	5 8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	473309.00N/1174342.00W	3140	4E
2	200	AAO	473309.00N/1174342.00W	3140	4E
2	310	AAO	473309.00N/1174342.00W	3140	4E
4	200	AAO	473309.00N/1174342.00W	3140	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR RWY 03	KGEG	SPOKANE	WA (US)
2	ILS OR LOC RWY 3	KGEG	SPOKANE	WA (US)
2	TAKE-OFF MINIMUMS	KGEG	SPOKANE	WA (US)
2	ILS RWY 21 (CAT II-III)	KGEG	SPOKANE	WA (US)
2	ILS OR LOC RWY 21	KGEG	SPOKANE	WA (US)
2	ILS RWY 3 (CAT II-III)	KGEG	SPOKANE	WA (US)
2	ILS RWY 21 (SA CAT I)	KGEG	SPOKANE	WA (US)
2	ILS RWY 3 (SA CAT I)	KGEG	SPOKANE	WA (US)
4	VOR RWY 21	KGEG	SPOKANE	WA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
PATTERNS 1 AND 3 ARE FOR ATC USE, NOT ASSOCIATED WITH AN APPROACH
ASSIGNED FACILITY MAG VAR: 14E/2025

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COEUR D'ALENE			KCOE	COEUR D'ALENE	ID (US)
DP	TAKE-OFF MINIMUMS			KDEW	DEER PARK	WA (US)
DP	TRI-CITIES			KPSC	PASCO	WA (US)
DP	MOUNTAIN			KSEA	SEATTLE	WA (US)
DP	SPOKANE			KGEG	SPOKANE	WA (US)
DP	TAKE-OFF MINIMUMS		2	KGEG	SPOKANE	WA (US)
DP	FELTS			KSFF	SPOKANE	WA (US)
DP	HAYDEN			KSFF	SPOKANE	WA (US)
DP	MANITO			KSFF	SPOKANE	WA (US)
DP	WALLA WALLA			KALW	WALLA WALLA	WA (US)
DP	NACHES			KYKM	YAKIMA	WA (US)
EN ROUTE	T268					(US)
EN ROUTE	J136					WA (US)
EN ROUTE	J143					WA (US)
EN ROUTE	J153					WA (US)
EN ROUTE	J3					WA (US)
EN ROUTE	J517					WA (US)
EN ROUTE	J52					WA (US)
EN ROUTE	V112					WA (US)
EN ROUTE	V120					WA (US)
EN ROUTE	V2					WA (US)
EN ROUTE	V204					WA (US)
EN ROUTE	V253					WA (US)
EN ROUTE	V444					WA (US)
EN ROUTE	V448					WA (US)

IAP	ILS OR LOC RWY 6		KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS) RWY 6		KCOE	COEUR D'ALENE	ID (US)
IAP	LOC-A		KSZT	SANDPOINT	ID (US)
IAP	RNAV (GPS) RWY 16		KDEW	DEER PARK	WA (US)
IAP	RNAV (GPS) RWY 34		KDEW	DEER PARK	WA (US)
IAP	ILS OR LOC RWY 21	2	KGEG	SPOKANE	WA (US)
IAP	ILS OR LOC RWY 3	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 21 (CAT II-III)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 21 (SA CAT I)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 3 (CAT II-III)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 3 (SA CAT I)	2	KGEG	SPOKANE	WA (US)
IAP	RIDDLE HILL VISUAL RWY 08		KGEG	SPOKANE	WA (US)
IAP	RNAV (GPS) Y RWY 08		KGEG	SPOKANE	WA (US)
IAP	VOR RWY 3		KGEG	SPOKANE	WA (US)
IAP	VOR RWY 03	2	KGEG	SPOKANE	WA (US)
IAP	VOR RWY 21	4	KGEG	SPOKANE	WA (US)
IAP	VOR RWY 21		KGEG	SPOKANE	WA (US)
IAP	ILS OR LOC RWY 22R	2	KSFF	SPOKANE	WA (US)
IAP	VOR RWY 4L	2	KSFF	SPOKANE	WA (US)
STAR	DEVYN		KPAE	EVERETT	WA (US)
STAR	GLASR		KRNT	RENTON	WA (US)
STAR	SKYKO		KRNT	RENTON	WA (US)
STAR	GLASR		KBFI	SEATTLE	WA (US)
STAR	SKYKO		KBFI	SEATTLE	WA (US)
STAR	GLASR		KSEA	SEATTLE	WA (US)
STAR	SKYKO		KSEA	SEATTLE	WA (US)
STAR	HILIE		KGEG	SPOKANE	WA (US)
STAR	ZOOMR		KGEG	SPOKANE	WA (US)
STAR	HILIE		KSFF	SPOKANE	WA (US)
STAR	ZOOMR		KSFF	SPOKANE	WA (US)
STAR	HILIE		KSKA	SPOKANE	WA (US)
STAR	ZOOMR		KSKA	SPOKANE	WA (US)
STAR	GLASR		KTCM	TACOMA	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 26

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. FIX USE: ADDED KSFF MANITO DP; REMOVED KSFF TAKE-OFF MINIMUMS.
2. UPDATED HOLDING PATTERNS RAD/CRS/BRG AND CRS INBOUND: PATTERN 1 FROM 241.00/061.00 TO 248.00/068.00; PATTERN 2 FROM 208.00/028.00 TO 215.00/035.00; PATTERN 3 FROM 360.00/180.00 TO 007.00/187.00; AND PATTERN 4 FROM 206.91/026.91 TO 213.91/033.91.
3. UPDATED REMARK: ASSIGNED FACILITY MAG VAR: FROM 21E/1975 TO 14E/2025.
4. ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD: KGEG - ILS OR LOC RWY 21, ILS RWY 21 (CAT II - III), ILS RWY 21 (SA CAT I), ILS OR LOC RWY 21, ILS RWY 3 (CAT II - III), ILS RWY 3 (SA CAT I), ILS OR LOC RWY 3.
5. UPDATED FIX USE: FROM "ILS OR LOC/DME RWY 6" TO "ILS OR LOC RWY 6" AT KCOE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE: