

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** APODS

**STATE:** WA

**COUNTRY:** US

**LATITUDE/LONGITUDE:** 480352.94N/1172326.08W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**FIX USE:**  
**USE TYPE**  
IAP

**USE TITLE**  
RNAV (GPS) RWY 16

**FAC PAT**

**AIRPORT IDENT**  
KDEW

**CITY**  
DEER PARK

**STATE**  
WA (US)

**REQUIRED CHARTING:** IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 03/31/2016

**REASON FOR REVISION:**

**DEVELOPED BY:**

**DATE:** 01/07/2016

**OFFICE:** AJV-5431

**NAME:** ANDREW FIELDS

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5430

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZSE  
**ATC FACILITY:** SPOKANE APP CON  
**OTHER:**



# RADIO FIX AND HOLDING DATA RECORD

NAME: BADKE

STATE: WA

COUNTRY: US

LATITUDE/LONGITUDE: 475906.50N/1172552.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:  
USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 16

FAC PAT

AIRPORT IDENT  
KDEW

CITY  
DEER PARK

STATE  
WA (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/31/2016

REASON FOR REVISION:

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DEVELOPED BY:

DATE: 01/07/2016

OFFICE: AJV-5431

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZSE  
ATC FACILITY: SPOKANE APP CON  
OTHER:

QUALITY  
4  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CABGO

STATE: WA

COUNTRY: US

LATITUDE/LONGITUDE: 480812.99N/1171818.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE		WP	025.44	205.44	L	5	5700	6000	6	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	481113.00N/1172551.00W	5397	5E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	200	210

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

CONTROLLING OBSTACLE LOCATED 9024 FT INTO SECONDARY PRIMARY EQUIVALENT ALTITUDE IS 4435.  
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 16		1	KDEW	DEER PARK	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/31/2016

DEVELOPED BY: DATE: 01/07/2015 OFFICE: AJV-5431 NAME: ANDREW FIELDS

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZSE  
ATC FACILITY: SPOKANE APP CON  
OTHER:

QUALITY  
4  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DIANN

STATE: WA

COUNTRY: US

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	H	005.60	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	H	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-285	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	11
2	E		WP	088.55	268.85	L		7	7000	11000	9	10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	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 (SEA-S-0581)	480450.10N/1165712.10W	5319	6A

**REASON FOR NONSTANDARD HOLDING:**

PAT 2 TO REMAIN WITHIN FLOOR OF CONTROLLED AIRSPACE.

**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: PAT 1 212' ADJUSTMENT, PAT 2 126' ADJUSTMENT.  
 HOLDING LIMITED TO ESTABLISHED PATTERNS.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V112	1, 3				(US)
IAP	ILS OR LOC/DME RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS) RWY 6		2	KCOE	COEUR D'ALENE	ID (US)
IAP	VOR RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS)-B			KSZT	SANDPOINT	ID (US)
IAP	NDB - A			KDEW	DEER PARK	WA (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 04L			KSFF	SPOKANE	WA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 03/31/2016

**REASON FOR REVISION:**

ADDED REMARK SPOKANE (FAC 1) AND COEUR D'ALENE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY: DATE: 11/24/2015 OFFICE: AJV-5430 NAME: AISHAT NAUZO

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: WST  
 ARTCC: ZSE  
 ATC FACILITY: GEG APP CON  
 OTHER:

QUALITY  
4  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FANGI

STATE: WA

COUNTRY: US

LATITUDE/LONGITUDE: 480624.37N/1172041.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:  
USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 16

FAC PAT

AIRPORT IDENT  
KDEW

CITY  
DEER PARK

STATE  
WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/31/2016

DEVELOPED BY: DATE: 12/07/2015

OFFICE: AJV-5431

NAME: ANDREW FIELDS

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZSE  
ATC FACILITY: SPOKANE APP CON  
OTHER:

QUALITY  
4  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SPOKANE VORTAC

STATE: WA

COUNTRY: US

LATITUDE/LONGITUDE: 473353.81N/1173736.79W

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	SPOKANE	GEG	VORTAC	H							45000

**FIX RESTRICTIONS:**

MCA V2 5200 EASTBOUND  
MCA V120 5200 EASTBOUND  
MCA V448 5200 NORTHEAST BOUND  
SPECIAL RNAV VISUAL RWY 7, KGEG, SPOKANE, WA

**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	GEG	VORTAC	241.00	061.00	R	1-1 1/2		4200	35000	5	25
2	SW	GEG	VORTAC	208.00	028.00	R	1-1 1/2		4200	35000	5	25
3	N	GEG	VORTAC	360.00	180.00	R	1 1/2		20000	35000	17	25
4	SW		WP	210.26	030.26	R		5	4200	6000	6	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	473306.10N/1174333.60W	3149	6A
2	200	AAO	473306.10N/1174333.60W	3149	6A
2	310	AAO	473306.10N/1174333.60W	3149	6A
4	200	AAO	473306.10N/1174333.60W	3149	6A

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKE-OFF MINIMUMS	KGEG	SPOKANE	WA (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PATTERNS 1 AND 3 ARE FOR ATC USE, NOT ASSOCIATED WITH AN APPROACH.

**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	MOSES			KMWH	MOSES LAKE	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	TAKE-OFF MINIMUMS			KSFF	SPOKANE	WA (US)
DP	WALLA WALLA			KALW	WALLA WALLA	WA (US)
DP	NACHES			KYKM	YAKIMA	WA (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/DME RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	NDB RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	RNAV (GPS) RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	VOR RWY 6			KCOE	COEUR D'ALENE	ID (US)
IAP	VOR/DME RWY 2			KCOE	COEUR D'ALENE	ID (US)
IAP	LOC/DME-A			KSZT	SANDPOINT	ID (US)
IAP	NDB-A			KDEW	DEER PARK	WA (US)
IAP	RNAV (GPS) RWY 16			KDEW	DEER PARK	WA (US)

QUALITY  
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CHECKED

IAP	RNAV (GPS) RWY 34		KDEW	DEER PARK	WA (US)
IAP	ILS OR LOC RWY 03	2	KGEG	SPOKANE	WA (US)
IAP	ILS OR LOC/DME RWY 21	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 03 (CAT II)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 03 (CAT III)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 03 (SA CAT I)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 21 (CAT II)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 21 (CAT III)	2	KGEG	SPOKANE	WA (US)
IAP	ILS RWY 21 (SA CAT 1)	2	KGEG	SPOKANE	WA (US)
IAP	RIDDLE HILL VISUAL RWY 07		KGEG	SPOKANE	WA (US)
IAP	RNAV (GPS) Y RWY 07		KGEG	SPOKANE	WA (US)
IAP	RNAV (GPS) Y RWY 21	4	KGEG	SPOKANE	WA (US)
IAP	RNAV VISUAL RWY 7		KGEG	SPOKANE	WA (US)
IAP	VOR RWY 03	2	KGEG	SPOKANE	WA (US)
IAP	ILS OR LOC/DME RWY 22R	2	KSFF	SPOKANE	WA (US)
IAP	VOR RWY 04L	1 2	KSFF	SPOKANE	WA (US)
STAR	GLASR		KRNT	RENTON	WA (US)
STAR	EPHRATA		KBFI	SEATTLE	WA (US)
STAR	GLASR		KBFI	SEATTLE	WA (US)
STAR	EPHRATA		KSEA	SEATTLE	WA (US)
STAR	GLASR		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, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 14

**DATE OF REVISION:** 03/31/2016

**REASON FOR REVISION:**

CHANGED FAC 1 FROM HISTORY TO ACTIVE STATUS

**DEVELOPED BY:**      **DATE:** 11/24/2015

**OFFICE:** AJV-5430

**NAME:** AISHAT NAUZO

**APPROVED BY:**      **DATE:**

**OFFICE:** AJV-5430

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZSE  
**ATC FACILITY:** GEG  
**OTHER:**

QUALITY  
4  
CHECKED