

# RADIO FIX AND HOLDING DATA RECORD

NAME: BAKCA

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463016.84N/1190958.82W

TYPE: WP, INT, DME

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	MRA	MAA
1	RICHLAND	I-RLD	LOC/DME		008.60	025.60	13.70	13.69	4000	4800
2	PASCO	PSC	VOR/DME	VL	336.78	351.78	14.22	14.22	4000	17500
3	WALLA WALLA	ALW	VOR/DME	VL	290.91	304.91		44.16	4000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALW	VOR/DME	R-291	45	4000	6200

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	NW	PSC	VOR/DME	336.78	156.78	R	1		4000	17500	6	18
2	N		WP	008.71	188.71	R		4	4000	17500	5	17
3	N	I-RLD	LOC/DME	008.60	188.60	R	1		4000	4000	4	4

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	464048.00N/1191339.00W	1303	4E
2	200	AAO	463727.00N/1191303.00W	1224	4B
2	310	AAO	464539.00N/1191618.00W	1752	4B
3	200	AAO	463903.00N/1191306.00W	1254	4B
3	310	AAO	464557.00N/1191724.00W	1877	4B

## HOLDING RESTRICTIONS:

HOLDING PAT 1 FOR ATC USE.  
HOLDING LIMITED TO ESTABLISHED PATTERN(S).

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) Y RWY 19	KRLD	RICHLAND	WA (US)
2	RNAV (GPS) Z RWY 19	KRLD	RICHLAND	WA (US)
3	LOC RWY 19	KRLD	RICHLAND	WA (US)

## REMARKS:

RICHLAND (FAC 1) AND WALLA WALLA (FAC 3) USED TO ESTABLISH FIX COORDINATES.  
RLD LOC DME ANTENNA COORDINATES: 461754.70N/1191828.07W  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V281	1, 2, 3				(US)
IAP	LOC RWY 19	1, 2, 3	3	KRLD	RICHLAND	WA (US)
IAP	RNAV (GPS) Y RWY 19		2	KRLD	RICHLAND	WA (US)
IAP	RNAV (GPS) Z RWY 19		2	KRLD	RICHLAND	WA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

UPDATED HOLDING PATTERN 2 AND 3 CONTROLLING OBSTRUCTIONS

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by  
ROBERT G HAMILTON

Jun 02, 2025

QUALITY  
25  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FIXOV

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462319.35N/1191449.30W

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	FAC FEET	MRA	MAA
1	RICHLAND	I-RLD	LOC/DME		008.59	025.59	5.97	5.97	36282	2100	4800
2	PASCO	PSC	VOR/DME	VL	307.86	322.86		8.92		2100	4800

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

RLD LOC DME COORDINATES: 461754.70N/1191828.07W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 19	1, 2		KRLD	RICHLAND	WA (US)
IAP	RNAV (GPS) Y RWY 19			KRLD	RICHLAND	WA (US)
IAP	RNAV (GPS) Z RWY 19			KRLD	RICHLAND	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

MOVED FIX 5 FT NW  
UPDATED FIX MAKE-UP FACILITY DATA TO REFLECT NEW COORDINATES  
CHANGED PSC VOR/DME FROM CLASS L TO VL  
UPDATED RLD LOC DME COORDINATES BASED ON NEW SURVEY DATA

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Jun 02, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: HOTUX

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462113.69N/1191616.36W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	RICHLAND	I-RLD	LOC/DME		008.59	025.59	3.65	3.65		1200	4800
2	PASCO	PSC	VOR/DME	VL	293.12	308.12		8.13		1200	4800

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

RLD LOC DME COORDINATES: 461754.70N/1191828.07W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 19	1, 2		KRLD	RICHLAND	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

MOVED FIX 0.03 NM NORTH  
UPDATED FIX MAKE-UP FACILITY DATA TO REFLECT NEW COORDINATES  
CHANGED PSC VOR/DME FROM CLASS L TO VL  
UPDATED RLD LOC DME COORDINATES BASED ON NEW SURVEY DATA

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Jun 02, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: WALLA WALLA VOR/DME STATE: WA COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 460513.12N/1181733.13W 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	MRA	MAA
1	WALLA WALLA	ALW	VOR/DME	VL						17500

## FIX RESTRICTIONS:

MCA V520 5800 NORTHEAST BOUND  
MCA V357 5300 SOUTHEAST BOUND

## 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	S	ALW	VOR/DME	200.91	020.91	L	1		4900	17500	5	16

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	460348.00N/1181300.00W	1903	4E
1	310	AAO	455939.00N/1181054.00W	3596	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	230

## REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED  
FACILITY MAGVAR E14 2025

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TRI-CITIES			KPSC	PASCO	WA (US)
DP	SPOKANE			KGEG	SPOKANE	WA (US)
DP	FELTS			KSFF	SPOKANE	WA (US)
DP	TAKEOFF MINIMUMS			KALW	WALLA WALLA	WA (US)
DP	NACHES			KYKM	YAKIMA	WA (US)
EN ROUTE	T276					(US)
EN ROUTE	V357					WA (US)
EN ROUTE	V444					WA (US)
EN ROUTE	V520					WA (US)
EN ROUTE	V536					WA (US)
IAP	RNAV (RNP) RWY 30			KLWS	LEWISTON	ID (US)
IAP	NDB-B			KLGD	LA GRANDE	OR (US)
IAP	ILS OR LOC RWY 26			KPDT	PENDLETON	OR (US)
IAP	RNAV (GPS) RWY 26			KPDT	PENDLETON	OR (US)
IAP	ILS OR LOC RWY 21R			KPSC	PASCO	WA (US)
IAP	VOR RWY 30			KPSC	PASCO	WA (US)
IAP	LOC RWY 19			KRLD	RICHLAND	WA (US)
IAP	ILS OR LOC RWY 20			KALW	WALLA WALLA	WA (US)
IAP	RNAV (GPS) RWY 20			KALW	WALLA WALLA	WA (US)
IAP	VOR RWY 2		1	KALW	WALLA WALLA	WA (US)
IAP	VOR RWY 20			KALW	WALLA WALLA	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

CHANGED WALLA WALLA FIX MAKE-UP CLASS FROM L TO VL

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH



**APPROVED BY:****DATE:** 07/03/2025**OFFICE:** AJV-A432**NAME:** CASIMIR TABAKA**SIGNATURE:**

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