

RADIO FIX AND HOLDING DATA RECORD

NAME: BOISE VORTAC **STATE:** ID **COUNTRY:** US **ICAO REGION CODE:** K1

LATITUDE/LONGITUDE: 433310.12N/1161131.65W **TYPE:**

AIRSPACE DOCKET: 25-ANM-137 **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	BOISE	BOI	VORTAC	VH						45000

FIX RESTRICTIONS:

MCA V113 8200 NORTHEAST BOUND
MCA V253 7500 NORTHBOUND
MCA V500 10400 EASTBOUND
MCA V444 10400 EASTBOUND

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	BOI	VORTAC	301.49	121.49	R	1	6200 40000	8 27
2	E	BOI	VORTAC	072.00	252.00	R	1 1/2	20000 32000	17 23

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	433618.10N/1160334.90W	6105	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

HOLDING PAT 1 AND 2 FOR USE BY ATC (NOT CHARTED).
PAT 1 CONTROLLING OBSTACLE LIES IN SECONDARY AREA 10280.58 FT FROM EDGE OF PRIMARY (PRIMARY EQUIVALENT 5182.01 MSL).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED MAGVAR: 17E (1985).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOISE			KBOI	BOISE	ID (US)
DP	GOWEN (OBSTACLE)			KBOI	BOISE	ID (US)
EN ROUTE	J15					(US)
EN ROUTE	J163					(US)
EN ROUTE	J54					(US)
EN ROUTE	J7					(US)
EN ROUTE	Q151					(US)
EN ROUTE	V113					(US)
EN ROUTE	V253					(US)
EN ROUTE	V330					(US)
EN ROUTE	V4					(US)
EN ROUTE	V444					(US)
EN ROUTE	V500					(US)
IAP	HI-ILS Z OR LOC Z RWY 10R			KBOI	BOISE	ID (US)
IAP	HI-VOR OR TACAN RWY 10R			KBOI	BOISE	ID (US)
IAP	HI-VOR Z OR TACAN Z RWY 28L			KBOI	BOISE	ID (US)
IAP	ILS OR LOC RWY 28R			KBOI	BOISE	ID (US)
IAP	ILS Y OR LOC Y RWY 10R			KBOI	BOISE	ID (US)
IAP	ILS Y RWY 10R (CAT II & III)			KBOI	BOISE	ID (US)
IAP	ILS Y RWY 10R (SA CAT I)			KBOI	BOISE	ID (US)
IAP	VOR OR TACAN RWY 10L			KBOI	BOISE	ID (US)
IAP	VOR Y OR TACAN Y RWY 28L			KBOI	BOISE	ID (US)
IAP	RNAV (GPS) RWY 30			KEUL	CALDWELL	ID (US)
IAP	RNAV (GPS) RWY 11			KMAN	NAMPA	ID (US)
IAP	RNAV (GPS)-B			KMAN	NAMPA	ID (US)
STAR	BEWTE (RNAV)			KBOI	BOISE	ID (US)
STAR	KOURT (RNAV)			KBOI	BOISE	ID (US)
STAR	KYAAN (RNAV)			KBOI	BOISE	ID (US)
STAR	SADYL (RNAV)			KBOI	BOISE	ID (US)
STAR	SPUUD (RNAV)			KBOI	BOISE	ID (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: 27

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

QUALITY
13
CHECKED

AIRSPACE DOCKET: ADDED 25-ANM-137.
FIX USE: ADDED Q151 AND REMOVED J517.
REQUIRED CHARTING: ADDED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BROPH

STATE: ID

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 424315.71N/1145231.80W

TYPE: WP

AIRSPACE DOCKET: 25-ANM-137

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q143					(US)
EN ROUTE	Q151					(US)
EN ROUTE	Q73					(US)
EN ROUTE	T467					(US)
STAR	SPUUD (RNAV)			KBOI	BOISE	ID (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 23-ANM-32 TO 25-ANM-137.
FIX USE: ADDED Q151.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED

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: 25-ANM-137

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	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
MLP	VOR/DME	R-260	43	6700	11100
COE	VOR/DME	R-142	17	14300	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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	Q151					(US)
EN ROUTE	T268					(US)
EN ROUTE	V2	1, 2				(US)
IAP	ILS OR LOC/DME RWY 6	2		COE	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	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: 14

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 25-ANM-137.
ESV: CHANGED MLP VOR/DME MAX ALTITUDE FROM 21000 TO 11100.
FIX USE: ADDED Q151.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PATIO

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411600.00N/1123200.00W

TYPE: WP

AIRSPACE DOCKET: 25-ANM-137

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
Q151
Q842

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 14-AWP-13 TO 25-ANM-137.

FIX USE: ADDED Q151.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PICH0

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 395800.00N/1123500.00W

TYPE: WP

AIRSPACE DOCKET: 25-ANM-137

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ZLC COORDINATION WP.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

EN ROUTE

Q151

(US)

EN ROUTE

Q842

(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 14-AWP-13 TO 25-ANM-137.

FIX USE: ADDED Q151.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TABLL

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383956.31N/1131035.15W

TYPE: WP

AIRSPACE DOCKET: 25-ANM-137

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE
EN ROUTE

USE TITLE
Q128
Q151
Q842

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 14-AWP-13 TO 25-ANM-137.

FIX USE: ADDED Q151.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WINEN

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375600.00N/1133000.00W

TYPE: WP

AIRSPACE DOCKET: 25-ANM-137

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ZLC COORDINATION WP

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

DP	ARCHZ (RNAV)			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	Q143					(US)
EN ROUTE	Q151					(US)
EN ROUTE	Q35					(US)
EN ROUTE	Q73					(US)
EN ROUTE	Q842					(US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 23-ANM-32 TO 25-ANM-137.

FIX USE: ADDED Q151.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
13
CHECKED