

RADIO FIX AND HOLDING DATA RECORD

NAME: ANNTY

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 405405.01N/1120634.61W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
CARTR (RNAV)
SKEES (RNAV)

FAC

PAT

AIRPORT IDENT
KSLC
KSLC

CITY
SALT LAKE CITY
SALT LAKE CITY

STATE
UT (US)
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED CARTR (RNAV) STAR AT KSLC TO FIX USE.
REMOVED CEEDR FROM FIX MAKE UP FACILITIES.
REMOVED NORDIC (RNAV) STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BOBRT

STATE: WY

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 415507.92N/1104838.30W

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 TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	081.79	261.79	R		10	19000	45000	18	30

FIX USE:

USE TYPE
STAR

USE TITLE
CARTR (RNAV)

FAC

PAT
1

AIRPORT IDENT
KSLC

CITY
SALT LAKE CITY

STATE
UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRIGHAM CITY VOR/DME

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 414734.43N/1120035.18W

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	BRIGHAM CITY	LHO	VOR/DME	L						5900	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	N	LHO	VOR/DME	352.70	172.70	L	1-1 1/2	12000 17500	9 16
2	N		WP	355.70	175.70	L	7	14000 24000	11 20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	414100.00N/1120151.00W	8947	4B
2	230	AAO	414057.00N/1120151.00W	8964	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	380
2	230	380

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ORNEY	KLGU	LOGAN	UT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
ASSIGNED FACILITY MAGVAR: 14 DEGREES EAST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ORNEY		1	KLGU	LOGAN	UT (US)
IAP	ILS OR LOC/DME RWY 17			KLGU	LOGAN	UT (US)
STAR	BRIGHAM CITY		1	KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)		2	KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

CHANGED PAT 1 CONTROLLING OBS FROM 200' AAO 414100.00N/1120151.00W 8888 4E TO AAO 414100.00N/1120151.00W 8947 4B AND PRECIPITOUS TERRAIN ADDITION FROM 272 TO 380.
CHANGED PAT 2 CONTROLLING OBS FROM 200' AAO 414057.00N/1120151.00W 8895 4E TO AAO 414057.00N/1120151.00W 8964 4B AND PRECIPITOUS TERRAIN ADDITION FROM 313 TO 380.
CHANGED PAT 2 MIN ALT FROM 12000 TO 14000 AND MIN TEMPLATE FROM 10 TO 11.
FIX USE: ADDED CARTR (RNAV) AND REMOVED NORDK (RNAV) AT KSLC.
REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CARTR

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 413339.75N/1120245.73W

TYPE: WP, 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	FEET	MRA	MAA
1	OGDEN	OGD	VORTAC	H	352.64	006.64	20.34	20.34		14000	45000
2	BRIGHAM CITY	LHO	VOR/DME	L	172.70	186.70	14.00	14.00		14000	22000

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	N	OGD	VORTAC	352.64	172.64	L	1-1 1/2		14000	22000	11	19
2	N		WP	355.64	175.64	L		8	12000	22000	11	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	413809.00N/1120051.00W	9577	4B
2	230	AAO	413809.00N/1120051.00W	9577	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	380
2	230	380

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	WLKRR (RNAV)			KOGD	OGDEN	UT (US)
STAR	BRIGHAM CITY	1, 2	1	KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)		2	KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

UPDATED FIX USE: ADDED STAR CARTR (RNAV) AND REMOVED NORDK (RNAV) AT KSLC.
UPDATED PAT 1 AND 2 CONTROLLING OBS FROM AAO 413810.30N/1120039.80W 9572 6A TO AAO 413809.00N/1120051.00W 9577 4B.
UPDATED PAT 1 AND 2 PRECIPITOUS TERRAIN ADDITIONS FROM 346 AND 351 TO 380.
UPDATED PAT 2 MIN ALT FROM 14000 TO 12000.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON

Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CEEDR

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401738.50N/1120219.12W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

CARTR (RNAV)
SKEES (RNAV)
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT

KSLC
KSLC
KSLC

CITY

SALT LAKE CITY
SALT LAKE CITY
SALT LAKE CITY

STATE

UT (US)
UT (US)
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED STARS CARTR (RNAV) AND YUTES (RNAV) AT KSLC TO FIX USE.
REMOVED STARS WAATS (RNAV) AND NORDK (RNAV) AT KSLC FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON

Dec 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: CHEROKEE VOR/DME

STATE: WY

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 414520.55N/1073455.14W

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	CHEROKEE	CKW	VOR/DME	VH							17500

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	E		WP	073.71	253.71	R		7	11700	17500	10	17
2	E		WP	079.94	259.94	R		12	19000	45000	20	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	414854.00N/1071930.00W	8009	4E
1	310	AAO	413704.30N/1072320.40W	8740	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 22	KRWL	RAWLINS	WY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALCOS			KCPR	CASPER	WY (US)
DP	CASPER			KCPR	CASPER	WY (US)
DP	TAKE OFF MINIMUMS			KRWL	RAWLINS	WY (US)
EN ROUTE	J54					(US)
EN ROUTE	V208	1				(US)
EN ROUTE	V26	1				(US)
EN ROUTE	V4	1				(US)
EN ROUTE	V6	1				(US)
IAP	RNAV (GPS) RWY 22		1	KRWL	RAWLINS	WY (US)
IAP	RNAV (GPS) RWY 5			KSAA	SARATOGA	WY (US)
STAR	CARTR (RNAV)		2	KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 14

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED STAR CARTR (RNAV) AT KSLC TO FIX USE.
ADDED STAR TO REQUIRED CHARTING.
ADDED HOLDING PAT 2.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUBOIS VORTAC STATE: ID COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 440519.87N/1121233.64W 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	DUBOIS	DBS	VORTAC	VH							45000

FIX RESTRICTIONS:

MCA V520 10600 WESTBOUND
MCA V298 9800 WESTBOUND
MCA V520 9000 EASTBOUND
MCA V257 8600 NORTHBOUND
MCA V21 8600 NORTHBOUND
MCA V343 8500 NORTHBOUND

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SE	DBS	VORTAC	152.00	332.00	R	1-1 1/2		7500	17500	8	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	440009.31N/1115405.93W	6394	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PAT 1 - ATC HOLDING
PRECIPITOUS TERRRAIN EVALUATION COMPLETED
ASSIGNED FACILITY MAGVAR:15 DEGREES EAST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	BGSKY (RNAV)			KBZN	BOZEMAN	MT (US)
DP	MEADO (RNAV)			KBZN	BOZEMAN	MT (US)
DP	BILLINGS			6S8	LAUREL	MT (US)
EN ROUTE	J175					(US)
EN ROUTE	J52					(US)
EN ROUTE	J82					(US)
EN ROUTE	J9					(US)
EN ROUTE	V21					(US)
EN ROUTE	V257					(US)
EN ROUTE	V298					(US)
EN ROUTE	V343					(US)
EN ROUTE	V520					(US)
IAP	ILS OR LOC RWY 21			KIDA	IDAHO FALLS	ID (US)
IAP	RNAV (GPS) Y RWY 21			KIDA	IDAHO FALLS	ID (US)
IAP	VOR RWY 35			KRXE	REXBURG	ID (US)
IAP	ILS OR LOC RWY 1			KWYS	WEST YELLOWSTONE	MT (US)
STAR	BRIGHAM CITY			KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)			KSLC	SALT LAKE CITY	UT (US)
STAR	SKEES (RNAV)			KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

FIX USE: ADDED STAR CARTR (RNAV) AND REMOVED NORDK (RNAV) AT KSLC.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 NAME: GUY COPELAND

APPROVED BY: DATE: 12/26/2024 OFFICE: AJV-A430 NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: DYANN

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 410432.50N/1120849.70W

TYPE: WP, 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	FEET	MRA	MAA
1	OGDEN	OGD	VORTAC	H	180.00	194.00	9.17	9.17		8000	22000
2	WASATCH	TCH	VORTAC	H	315.00	331.00	15.46	15.46		8000	45000
3	FAIRFIELD	FFU	VORTAC	VH	332.95	348.95	48.93	48.93		13000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FFU	VORTAC	R-333	49	13000	22200

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BEARR	1, 2, 3		KSLC	SALT LAKE CITY	UT (US)
STAR	BRIGHAM CITY	1, 2, 3		KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)			KSLC	SALT LAKE CITY	UT (US)
STAR	SKEES (RNAV)			KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

UPDATED FIX USE: ADDED CARTR (RNAV) AND REMOVED NORDK (RNAV) AT KSLC.
UPDATED FIX USE: ADDED FAC 1,2, AND 3 TO BEARR AND BRINGHAM CITY STARS AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUDDY MOUNTAIN VOR/DME STATE: WY COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 430527.08N/1061637.29W 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	MUDDY MOUNTAIN	DDY	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	NE	DDY	VOR/DME	024.66	204.66	R	1-1 1/2	7500 20000	8 17
2	NE		WP	024.66	204.66	R	7	7500 17500	9 17
3	NE		WP	060.28	240.28	L	12	19000 45000	20 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	430918.00N/1060448.00W	6250	4E
2	230	AAO	430918.00N/1060448.00W	6250	4E

REASON FOR NONSTANDARD HOLDING:

PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAGVAR - E12/1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALCOS			KCPR	CASPER	WY (US)
DP	CASPER			KCPR	CASPER	WY (US)
DP	TAKE-OFF MINIMUMS			KCPR	CASPER	WY (US)
EN ROUTE	J107					(US)
EN ROUTE	J13					(US)
EN ROUTE	J158					(US)
EN ROUTE	J170					(US)
EN ROUTE	J202					(US)
EN ROUTE	V235					(US)
EN ROUTE	V26					(US)
EN ROUTE	V298					(US)
EN ROUTE	V330					(US)
EN ROUTE	V401					(US)
EN ROUTE	V547					(US)
EN ROUTE	V589					(US)
EN ROUTE	V611					(US)
EN ROUTE	V85					(US)
IAP	ILS OR LOC RWY 3		1	KCPR	CASPER	WY (US)
IAP	RNAV (GPS) RWY 21		2	KCPR	CASPER	WY (US)
IAP	RNAV (GPS) RWY 26		2	KCPR	CASPER	WY (US)
IAP	RNAV (GPS) RWY 3		2	KCPR	CASPER	WY (US)
IAP	RNAV (GPS) RWY 8		2	KCPR	CASPER	WY (US)
IAP	VOR/DME RWY 21		1	KCPR	CASPER	WY (US)
STAR	CARTR (RNAV)		3	KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED HOLDING PAT 3.
ADDED STAR CARTR (RNAV) AT KSLC TO FIX USE.
REMOVED STAR NORDK (RNAV) FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

Digitally signed by

ROBERT G HAMILTON

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

Dec 23, 2024

QUALITY
14
CHECKED

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: KRANC

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 415251.19N/1113357.53W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR

USE TITLE
CARTR (RNAV)

FAC

PAT

AIRPORT IDENT
KSLC

CITY
SALT LAKE CITY

STATE
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAVAH

STATE: ID

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 424154.72N/1115121.50W

TYPE: WP, 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	DUBOIS	DBS	VORTAC	VH	154.38	169.38	84.82	84.82	21000	45000
2	MALAD CITY	MLD	VOR/DME	DH	024.28	041.28	39.92	39.92	15000	45000
3	BRIGHAM CITY	LHO	VOR/DME	L	353.14	007.14	54.75	54.75	14000	31000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LHO	VOR/DME	R-353	55	14000	19900

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	N	LHO	VOR/DME	353.14	173.14	L	1 1/2	15000 31000	17 25
2	N		WP	356.00	176.00	L	12	14000 31000	20 24

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	423057.00N/1115524.00W	9370	4B
2	230	AAO	423057.00N/1115524.00W	9370	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	280
2	230	310

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

BRIGHAM CITY (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BRIGHAM CITY	1, 2, 3	1	KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)		2	KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

CHANGED PAT 2 MAXIMUM PATTERN SIZE FROM 25 TO 14 AND ADDED MINIMUM PATTERN TEMPLATE 20.
ADDED PAT 2 CONTROLLING OBS AND PRECIPITOUS TERRAIN ADDITION.
CHANGED PAT 1 CONTROLLING OBS FROM AAO 443056.62N/1115524.44W 9367 2A TO AAO 423057.00N/1115524.00W 9370 4B.
CHANGED PAT 1 PRECIPITOUS TERRAIN ADDITION FROM 168 TO 280.
CHANGED HOLDING RESTRICTIONS FROM HOLDING LIMITED TO ESTABLISHED PATTERNS / DME ONLY TO HOLDING LIMITED TO ESTABLISHED PATTERNS.
FIX USE: ADDED CARTR (RNAV) AND REMOVED NORDK (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AVJ-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROCK SPRINGS VOR/DME STATE: WY COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 413524.76N/1090055.18W 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	ROCK SPRINGS	OCS	VOR/DME	H							45000

FIX RESTRICTIONS:

MCA T317 10200 SOUTHBOUND

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	E	OCS	VOR/DME	090.00	270.00	R	1		9300	17500	9	16
2	E	OCS	VOR/DME	080.00	260.00	R	1		9100	17500	9	16
3	E	WP	WP	091.33	271.33	L		10	19000	45000	18	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	413308.70N/1084816.30W	8297	6A
1	310	AAO	413308.70N/1084816.30W	8297	6A
2	230	AAO	413308.70N/1084816.30W	8297	6A

REASON FOR NONSTANDARD HOLDING:

PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 27	KRKS	ROCK SPRINGS	WY (US)
2	VOR RWY 9	KRKS	ROCK SPRINGS	WY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
OCS MAG VAR: 1995/E13.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	RUGGD (RNAV)			KSLC	SALT LAKE CITY	UT (US)
DP	SALT LAKE			KSLC	SALT LAKE CITY	UT (US)
DP	CASPER			KCPR	CASPER	WY (US)
DP	TAKEOFF MINIMUMS			KRKS	ROCK SPRINGS	WY (US)
EN ROUTE	J107					(US)
EN ROUTE	J154					(US)
EN ROUTE	J163					(US)
EN ROUTE	J20					(US)
EN ROUTE	J202					(US)
EN ROUTE	J206					(US)
EN ROUTE	J52					(US)
EN ROUTE	J94					(US)
EN ROUTE	T298					(US)
EN ROUTE	T302					(US)
EN ROUTE	T317					(US)
EN ROUTE	V142					(US)
EN ROUTE	V187					(US)
EN ROUTE	V235					(US)
EN ROUTE	V328					(US)
EN ROUTE	V391					(US)
EN ROUTE	V4					(US)
EN ROUTE	V6					(US)
IAP	ILS OR LOC RWY 27		1	KRKS	ROCK SPRINGS	WY (US)
IAP	RNAV (GPS) RWY 9			KRKS	ROCK SPRINGS	WY (US)
IAP	RNAV (GPS) RWY 27			KRKS	ROCK SPRINGS	WY (US)
IAP	VOR RWY 9		2	KRKS	ROCK SPRINGS	WY (US)
IAP	VOR/DME RWY 27		2	KRKS	ROCK SPRINGS	WY (US)

QUALITY
14
CHECKED

STAR	RAMMS		KBKF	AURORA	CO (US)
STAR	RAMMS		KAPA	DENVER	CO (US)
STAR	RAMMS		KBJC	DENVER	CO (US)
STAR	RAMMS		KCFO	DENVER	CO (US)
STAR	RAMMS		KDEN	DENVER	CO (US)
STAR	RAMMS		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	RAMMS		KGXY	GREELEY	CO (US)
STAR	BRIGHAM CITY		KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)	3	KSLC	SALT LAKE CITY	UT (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: 23 **DATE OF REVISION:** 02/20/2025

REASON FOR REVISION:
ADDED HOLDING PAT 3.
FIX USE: ADDED CARTR (RNAV) AND REMOVED NORDK (RNAV) AT KSLC.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A433	NAME: GUY COPELAND
APPROVED BY:	DATE: 12/26/2024	OFFICE: AJV-A430	NAME: BEV L BORDY
	SIGNATURE:		<i>Digitally signed by</i> ROBERT G HAMILTON Dec 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: SETTT

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411337.16N/1120652.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
CARTR (RNAV)

FAC

PAT

AIRPORT IDENT
KSLC

CITY
SALT LAKE CITY

STATE
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED STAR CARTR (RNAV) TO FIX USE AT KSLC.
REMOVED STAR NORDK (RNAV) FROM FIX USE AT KSLC.
REMOVED DYANN FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SSIGN

STATE: WY

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 415045.17N/1090824.12W

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	082.90	262.90	R	12	19000	45000	20	30

FIX USE:

USE TYPE
STAR

USE TITLE
CARTR (RNAV)

FAC

PAT
1

AIRPORT IDENT
KSLC

CITY
SALT LAKE CITY

STATE
UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STOPP

STATE: WY

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 422106.33N/1091403.88W

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 TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	060.28	240.28	L		12	19000	45000	20	30

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

FIX USE:

USE TYPE
STAR

USE TITLE
CARTR (RNAV)

FAC

PAT
1

AIRPORT IDENT
KSLC

CITY
SALT LAKE CITY

STATE
UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Dec 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SURYP

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404152.31N/1120508.31W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

STAR

STAR

STAR

USE TITLE

RNAV (RNP) Z RWY 34L

CARTR (RNAV)

SKEES (RNAV)

YUTES (RNAV)

FAC

PAT

AIRPORT IDENT

KSLC

KSLC

KSLC

KSLC

CITY

SALT LAKE CITY

SALT LAKE CITY

SALT LAKE CITY

SALT LAKE CITY

STATE

UT (US)

UT (US)

UT (US)

UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Dec 23, 2024

