US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NONTY	ZANGY (FO)	350.54 / 29.99	12000
TCH VORTAC	CUVAK (FB)	086.91 / 19.05	12000
CUVAK (IAF)	ZANGY (NOPT) (FB)	102.42 / 10.00	11000
COOLI (IAF)	ZANGY (NOPT) (FB)	175.88 / 20.63	11000
ZANGY (IF/IAF)	UZEYU (FB)	179.44 / 7.97	9400
UZEYU (FAF)	IVTAW (MAP) (FO)	179.42 / 6.20	
IVTAW (MAP)	6037 MSL	179.42	
6037 MSL	COOLI (FO)		12000

MISSED APPROACH

LNAV: IVTAW

CLIMBING LEFT TURN TO 12000 DIRECT COOLI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 352.88 INBOUND.
FAS OBST: 7702 AAO 403428N/1112405W
FAC CROSSES MID POINT OF RWY 4-22.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N ZANGY, RT, 179.44 INBOUND, 11000 FT. IN LIEU OF PT (IAF)
3. FAC: 179.42 FAF: UZEYU DIST FAF TO MAP: 6.20 THLD:
4. MIN. ALT: ZANGY 11000, UZEYU 9400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM: IVTAW 13200

MAG VAR: 11E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING	8220	1 3/8	2583	8220	1 1/2	2583	8220	3	2583		NA				

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: CIRCLING NA SE OF RWY 4-22.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

QUALITY & CHECKED

CITY AND STATE	ELEVATION: 5637 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HEBER, UT	HEBER CITY MUNI - RUSS MCDONALD FIELD	RNAV	RNAV (GPS)-A, AMDT 2	AMDT: 1
				DATED 07/02/2009

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZLC ARTCC, SLC ATCT, UT AERO, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **ADOLFO URRUTIA (ROBERT DAVIS)**	FIFO **AJV-354**	DATE: **01/20/2012**
APPROVED BY		
NAME: **DEZ SILAGYI** **MANAGER**	FIFO **AJV-354**	DATE:

CHANGES:

1. FINAL APPROACH COURSE CHANGED FROM 176.42 TO 179.42.
2. (IAF) COKAT MOVED NORTH 1.74 NM AND NAME CHANGED TO CUVAK.
3. MISSED APPROACH CHANGED FROM LEFT TURN DIRECT ZANGY THEN TRACK TO COOLI AND HOLD TO LEFT TURN DIRECT COOLI AND HOLD.
4. CAT C ADDED.
5. MDA FOR CAT A AND B LOWERED FROM 8280 TO 8220.
6. ADDED NOTE: "VISIBILITY REDUCTION BY HELICOPTER NA."
7. ADDED NOTE: "WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT."
8. DELETED NOTE: "PROCEDURE NA AT NIGHT", ADDED NOTE: "CIRCLING NA AT NIGHT TO RWY 4."
9. UPDATED PROCEDURE ENTRY RESTRICTION FOR ARRIVALS AT TCH VORTAC.

REASONS:

1. MAGVAR CHANGED FOR K36U FROM E14 TO E11.
2. LEG LENGTH - DTA AND NOTICE N JO 7400.27.
3. LEG LENGTH DIRECT ZANGY INSUFFICIENT WITHOUT CLIMB TO ALTITUDE WHICH WOULD RAISE THE MDA FOR OBSTACLES RESULTING FROM CLIMB TO ALTITUDE COURSE.
4. PER FPT.
5. UPDATED OBSTACLE DATA, LOWERING MINIMUM TEAM.
6. 8260.19D PARA. 854 I (3).
7. 8260.19D PARA. 854 M (2) (H).
8. CIRCLING TO RWY 22 NOW AVAILABLE WITH VGSI AT NIGHT.
9. 8260.54A CHAPTER 2 PARA. 2.7

PDF EDITES: TERMINAL ROUTES ADED (FAF) AFTER UZEYU.

QUALITY 4 CHECKED

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NOTES, (CONT.):
CHART NOTE: CIRCLING NA AT NIGHT TO RWY 4.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TCH VORTAC AIRWAY RADIALS 087 CW 161.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 5637 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HEBER, UT	HEBER CITY MUNI - RUSS MCDONALD FIELD	RNAV	RNAV (GPS)-A, AMDT 2	AMDT: 1
				DATED: 07/02/2009

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        TCH   K2011680VTHW N40510090W111585489    N40510090W111585489E0160042202     NARWASATCH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COOLI K20    C   L N41045127W111184502                      E0119     NAR           COOLI
        SUSAEAENRT   CUVAK K20    W     N40482079W111340431                      E0119     NAR           CUVAK
        SUSAEAENRT   IVTAW K20    W     N40302485W111252197                      E0118     NAR           IVTAW
        SUSAEAENRT   NONTY K20    C   L N40142175W111230343                      E0118     NAR           NONTY
        SUSAEAENRT   UZEYU K20    W     N40363097W111235377                      E0118     NAR           UZEYU
        SUSAEAENRT   ZANGY K20    W   L N40442154W111220000                      E0118     NAR           ZANGY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 36U K2A36U     0     068YHN40285450W111254370E011005637         1800018000C    MNAR    HEBER CITY MUNI - RUSS MCDONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 36U K2FRNV-A ACOOLI 010COOLIK2EA0E  A    IF                                                18000                B JC
        SUSAP 36U K2FRNV-A ACOOLI 020ZANGYK2EA0EE B 010TF                      17590206    + 11000                            B JC
        SUSAP 36U K2FRNV-A ANONTY 010NONTYK2EA0E       IF                                                18000                B JC
        SUSAP 36U K2FRNV-A ANONTY 020ZANGYK2EA0EY   020TF                      35050300    + 12000                            B JC
        SUSAP 36U K2FRNV-A ANONTY 030ZANGYK2EA0EE AR   HF                      17940070    + 11000                            B JC
        SUSAP 36U K2FRNV-A ATCH   010TCH  K2D 0V       IF                                                18000                B JC
        SUSAP 36U K2FRNV-A ATCH   020CUVAKK2EA0E  A 020TF                      08690191    + 12000                            B JC
        SUSAP 36U K2FRNV-A ATCH   030ZANGYK2EA0EE B 010TF                      10240100    + 11000                            B JC
        SUSAP 36U K2FRNV-A R      010ZANGYK2EA0E  I    IF                                  + 11000     18000                  B JC
        SUSAP 36U K2FRNV-A R      020UZEYUK2EA0E  F 051TF                      17940080    + 09400                IVTAW K2EAB JC
        SUSAP 36U K2FRNV-A R      030IVTAWK2EA0EY M 031TF                      17940062      08220            000             B JC
        SUSAP 36U K2FRNV-A R      040         0  M     CA                      1794        + 06037                            B JC
        SUSAP 36U K2FRNV-A R      050COOLIK2EA0EY  L   DF                                  + 12000                            B JC
        SUSAP 36U K2FRNV-A R      060COOLIK2EA0EE  L   HM                      35290070    + 12000                            B JC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 36U K2SIVTAWK2EA               0   18018013225                                                                          M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: **5637** TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HEBER, UT	AIRPORT NAME: **HEBER CITY MUNI - RUSS MCDONAL**	**RNAV**	**RNAV (GPS)-A, AMDT 2**	AMDT: **1**
				DATED: **07/02/2009**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	COOLI	COOLI	010	IAF	IF		FB					
	COOLI	ZANGY	020		TF		FB	1.0	175.9(186.9T)	020.6	AA 11000	
	NONTY	NONTY	010		IF		FB					
	NONTY	ZANGY	020		TF		FO	2.0	350.5(001.5T)	030.0	AA 12000	
	NONTY	ZANGY	030	IAF	HF	R	FO		179.4(190.4T)	007.0	AA 11000	
	TCH	TCH	010		IF		FB					
	TCH	CUVAK	020	IAF	TF		FB	2.0	086.9(097.9T)	019.1	AA 12000	
	TCH	ZANGY	030		TF		FB	1.0	102.4(113.4T)	010.0	AA 11000	
		ZANGY	010	FACF	IF		FB				AA 11000	
		UZEYU	020	FAF	TF		FB	0.5	179.4(190.4T)	008.0	AA 09400	
		IVTAW	030	MAP	TF		FO	0.3	179.4(190.4T)	006.2	AT 08220	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		179.4(190.4T)		AA 06037	
	COOLI	050		DF	L	FO				AA 12000	
	COOLI	060		HM	L	FO		352.9(003.9T)	007.0	AA 12000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TCH	N405100.90	W1115854.89	N4051.015	W11158.915
	COOLI	N410451.27	W1111845.02	N4104.855	W11118.750
	CUVAK	N404820.79	W1113404.31	N4048.347	W11134.072
	IVTAW	N403024.85	W1112521.97	N4030.414	W11125.366
	NONTY	N401421.75	W1112303.43	N4014.363	W11123.057
	UZEYU	N403630.97	W1112353.77	N4036.516	W11123.896
	ZANGY	N404421.54	W1112200.00	N4044.359	W11122.000

QUALITY CHECKED

CITY AND STATE	ELEVATION: **5637** TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HEBER, UT	AIRPORT NAME: **HEBER CITY MUNI - RUSS MCDONAL**	**RNAV**	**RNAV (GPS)-A, AMDT 2**	AMDT: **1**
				DATED: **07/02/2009**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	NONTY	ZANGY	1. AAO	401718.00N/1112139.00W	9328 (4E)	2000	AT672	12000
			2. TERRAIN	401718.00N/1112139.00W	9128 (9100)		AS1500	10600
FEEDER	TCH VORTAC	CUVAK	3. AAO	405109.00N/1114509.00W	9515 (4E)	2000	AT350 AC135	12000
			4. TERRAIN	405109.00N/1114509.00W	9315 (9300)		AS1500	10800
INITIAL	CUVAK	ZANGY	5. AAO	404912.00N/1113057.00W	8547 (4E)	1000	PR280 AT1173	11000
			6. TERRAIN	404912.00N/1113057.00W	8347 (8300)		AS1500	9800
INITIAL	COOLI	ZANGY	7. AAO	404848.00N/1111839.00W	8701 (4E)	1000	AC135 PR300 AT864	11000
			8. TERRAIN	404848.00N/1111839.00W	8501 (8500)		AS1500	10000
INTERMEDIATE	ZANGY (IF/IAF)	UZEYU	9. AAO	403934.79N/1112306.02W	8099 (2C)	500	PR190	8800
			10. TERRAIN	403934.79N/1112306.02W	7899 (7900)		AS1500	9400
FINAL: LNAV	UZEYU	IVTAW	11. AAO	403427.95N/1112404.60W	7702 (2C)	250	PR190 XL65	8220
2. HOLD-IN-LIEU-OF-PT	ZANGY	P-10	12. AAO	404849.70N/1111505.10W	9577 (6A)	1000	PR380 AT43	11000
			13. TERRAIN	404849.70N/1111505.10W	9377 (9400)		AS1500	10900
3. MISSED APPROACH MAP:	IVTAW	COOLI				ASC		12000
			14. AAO	404154.00N/1111312.00W	9922 (3E)	1000	AC76 SA-79 PR370	11300
ELEV:			15. TERRAIN	404849.70N/1111505.10W	9377 (9400)		AS1500	10900
			16. POLE (K36UT0226)	402933.51N/1112439.91W	5708 (2C)	300	SI	8220
			17. TREE (K36UT0092)	402723.96N/1112733.55W	5904 (1A)	300	SI	8220
			18. TREE (K36UT0111)	402715.91N/1112743.27W	6156 (1A)	300	SI	8220

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	2583
CATEGORY B	1.5 NM	450	2583
CATEGORY C	1.7 NM	450	2583
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: IVTAW

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	053/ 26.4	12143 (6A)	13200					

CITY AND STATE	ELEVATION: 5637 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HEBER, UT	HEBER CITY MUNI - RUSS MCDONALD FIELD	RNAV	RNAV (GPS)-A, AMDT 2	ANM

FAA Form 8260 - 9 / April 2006 (Computer Generated)

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZLC ARTCC SLC TOWER SLC APP CON	NWS / FAA / A/C — OTHER:	SOURCE: K36U DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON: X VHF X UHF HF	LOCATION:	ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 22 (PCL), 04 (PCL)
	REIL
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4L 22 (PCL)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-F 04
	INSTRUMENT	NPI-F 22
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: **NONE**

PART D - PREPARED BY: ADOLFO URRUTIA (ROBERT DAVIS)	DATE: 01/20/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

AWOS-3 IS NOT ON SERVICE-A.

NO SUITABLE BACKUP ALTIMETER SOURCE AVAILABLE.

SEE ATTACHED AIRSPACE LETTER.

TAA NOT DEVELOPED PER FPT.

NOTES INCLUDED FROM PREVIOUS PROCEDURE:
MISSED APPROACH HOLDING AT COOLI WP COORDINATED WITH ZLC. LEFT TURNS FOR HOLDING AT COOLI WERE CHOSEN BECAUSE OF MVA/MEA AVAILABILITY AT 12000, POSSIBILITIES OF DIVERTING TO KSLC RATHER THAN EVANSTON, WYO.
CIRCLING RESTRICTED FROM SOUTH OF RWY 4-22 AT RECOMMENDATION OF FLIGHT INSPECTION BECAUSE OF DOWNWIND CONCENTRATION ON RUNWAY ENVIRONMENT RATHER THAN THE PRECIPITIOUS TERRAIN SOUTH OF AIRFIELD.

100' TREES USED PER FPT.

25 DEGREE BANK ANGLE USED FOR MISSED APPROACH CONSTRUCTION.

FAC ALIGNED TO AIRPORT REFERENCE POINT.

OBSTACLE #14 IS 929 FT INTO SECONDARY.

TERPS PARA 251 20:1 PENETRATIONS
R04
6156 K36UT0111 TREE 402715.91N-1112743.27W (80.76)
6131 K36UT0106 TREE 402717.86N-1112742.87W (63.32)
FPT NOTIFIED

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CUVAK **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 404820.79N/1113404.31W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS)-A			K36U	HEBER CITY	UT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
MOVED FIX NORTH 1.74 NM.
RENAMED FIX CUVAK FROM COKAT.

DEVELOPED BY: **DATE:** 01/20/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (ROBERT DAVIS)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WASATCH VORTAC **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 405100.90N/1115854.89W **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	DIST FROM FAC FEET	MRA	MAA
1	WASATCH	TCH	VORTAC	H							45000

FIX RESTRICTIONS:
MCA V484 11000 EASTBOUND
MCA V101 11000 EASTBOUND
MCA V32 10400 NORTHEAST BOUND
MCA V21 8000 SOUTHBOUND

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	TCH	VORTAC	160.85	340.85	L	1-1 1/2		8300	45000	9	29
2	NW	TCH	VORTAC	300.00	120.00	R	1-1 1/2		10200	45000	9	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	403550.60N/1114312.80W	11530	6A
1	230	AAO	404015.00N/1120833.00W	7094	4E
1	310	AAO	403655.70N/1121058.90W	9559	6A
2	230	AAO	405745.00N/1121257.00W	6651	4E
2	310	AAO	405033.00N/1114657.00W	9138	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	375
1	230	177
2	310	319
2	230	77

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 15000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	SALT LAKE	KSLC	SALT LAKE CITY	UT (US)
1	SEVYR	KSLC	SALT LAKE CITY	UT (US)
2	TAKEOFF MINIMUMS	KU42	SALT LAKE CITY	UT (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EMONT			KOGD	OGDEN	UT (US)
DP	FAIRFIELD			KSLC	SALT LAKE CITY	UT (US)
DP	LEETZ (RNAV)			KSLC	SALT LAKE CITY	UT (US)
DP	NSIGN (RNAV)			KSLC	SALT LAKE CITY	UT (US)
DP	PECOP (RNAV)			KSLC	SALT LAKE CITY	UT (US)
DP	SALT LAKE		1	KSLC	SALT LAKE CITY	UT (US)
DP	SEVYR		1	KSLC	SALT LAKE CITY	UT (US)
DP	TAKEOFF MINIMUMS			KSLC	SALT LAKE CITY	UT (US)
DP	TWIN FALLS (RNAV)			KSLC	SALT LAKE CITY	UT (US)
DP	TAKEOFF MINIMUMS		2	KU42	SALT LAKE CITY	UT (US)
DP	STACO			KTVY	TOOELE	UT (US)
EN ROUTE	J11					(US)
EN ROUTE	J116					(US)
EN ROUTE	J12					(US)
EN ROUTE	J15					(US)
EN ROUTE	J154					(US)
EN ROUTE	J173					(US)
EN ROUTE	J56					(US)
EN ROUTE	J9					(US)
EN ROUTE	V101					(US)
EN ROUTE	V21					(US)
EN ROUTE	V32					(US)
EN ROUTE	V484					(US)

QUALITY A CHECKED

IAP	RNAV (GPS)-A	K36U	HEBER CITY	UT (US)
IAP	ILS OR LOC RWY 3	KOGD	OGDEN	UT (US)
IAP	RNAV (GPS) Y RWY 3	KOGD	OGDEN	UT (US)
IAP	RNAV (GPS) Z RWY 3	KOGD	OGDEN	UT (US)
IAP	ILS OR LOC RWY 16L	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 16R	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 17	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 34L	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 34R	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC/DME RWY 35	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16L (CAT II/III)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II/III)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 17 (SA CAT II)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (CAT II/III)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (SA CAT I)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34R (CAT II/III)	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34R (SA CAT I)	KSLC	SALT LAKE CITY	UT (US)
IAP	VOR/DME OR TACAN RWY 16L	KSLC	SALT LAKE CITY	UT (US)
IAP	VOR/DME OR TACAN RWY 17	KSLC	SALT LAKE CITY	UT (US)
IAP	VOR/DME RWY 34R	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC/DME RWY 17	KTVY	TOOELE	UT (US)
IAP	NDB RWY 17	KTVY	TOOELE	UT (US)
IAP	TAKE-OFF MINIMUMS	KTVY	TOOELE	UT (US)
STAR	BEARR	KSLC	SALT LAKE CITY	UT (US)
STAR	BONNEVILLE	KSLC	SALT LAKE CITY	UT (US)
STAR	BRIGHAM CITY	KSLC	SALT LAKE CITY	UT (US)
STAR	DELTA (RNAV)	KSLC	SALT LAKE CITY	UT (US)
STAR	JAMMN	KSLC	SALT LAKE CITY	UT (US)
STAR	LEEHY (RNAV)	KSLC	SALT LAKE CITY	UT (US)
STAR	SKEES (RNAV)	KSLC	SALT LAKE CITY	UT (US)
STAR	SPANE	KSLC	SALT LAKE CITY	UT (US)
STAR	WAATS (RNAV)	KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED LAT/LONG

DEVELOPED BY: **DATE:** 02/29/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (ROBERT DAVIS)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLC
ATC FACILITY: SLC APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZANGY **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 404421.54N/1112200.00W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N		WP	359.44	179.44	R		7	11000	15000	10	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	404849.70N/1111505.10W	9577	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	290

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COOLI RNAV			K36U	HEBER CITY	UT (US)
IAP	RNAV (GPS)-A		1	K36U	HEBER CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED PAT 1 INBOUND COURSE.
UPDATED PAT 1 CONTROLLING OBSTRUCTION DESCRIPTION.

DEVELOPED BY: **DATE:** 01/30/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (ROBERT DAVIS)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SLC APP CON
OTHER:

QUALITY 4 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: COOLI **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 410451.27N/1111845.02W **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	DIST FROM FAC FEET	MRA	MAA
1	FORT BRIDGER	FBR	VOR/DME	L	232.37	246.37	44.00	44.00		12000	17500
2	EVANSTON	EVW	VOR/DME	T	213.43	226.43	16.64	16.64		12000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FBR	VOR/DME	R-232	44	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	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	172.88	352.88	L		7	12000	14000	10	11
2	SW	EVW	VOR/DME	213.43	033.43	R	1		12000	14000	10	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	405123.20N/1112833.70W	9504	6A
1	310	AAO	405036.00N/1110636.00W	10591	4E
2	230	AAO	405123.20N/1112833.70W	9504	6A
2	310	AAO	404849.70N/1111505.10W	9577	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	256
2	230	247

REASON FOR NONSTANDARD HOLDING:
PAT 1 REMAIN WITHIN 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 23	KEVW	EVANSTON	WY (US)
2	VOR/DME RWY 23	KEVW	EVANSTON	WY (US)
2	ILS OR LOC/DME RWY 23	KEVW	EVANSTON	WY (US)

REMARKS:
FORT BRIDGER (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COOLI (RNAV)			K36U	HEBER CITY	UT (US)
EN ROUTE	V32	1, 2				(US)
IAP	RNAV (GPS)-A		1	K36U	HEBER CITY	UT (US)
IAP	ILS OR LOC/DME RWY 23	1, 2	2	KEVW	EVANSTON	WY (US)
IAP	RNAV (GPS) RWY 23		1	KEVW	EVANSTON	WY (US)
IAP	RNAV (GPS) RWY 5			KEVW	EVANSTON	WY (US)
IAP	VOR/DME RWY 23	1, 2	2	KEVW	EVANSTON	WY (US)
IAP	VOR/DME RWY 5			KEVW	EVANSTON	WY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 05/05/2011

REASON FOR REVISION:

THIS IS A REPLACEMENT COPY OF THE FORM DEVELOPED 02/09/2009.
REMOVED FACILITY 3 AND ADJUSTED DATA TO NEW FORMAT.
UPDATED FIX USE.

QUALITY CHECKED

DEVELOPED BY:	**DATE:** 09/07/2010	**OFFICE:** AVN-130	**NAME:** ADOLFO URRUTIA (ROBERT DAVIS)
APPROVED BY:	**DATE:** 02/22/2011	**OFFICE:** AVN-130	**NAME:** DEZ SILAGYI
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SLC
OTHER:

QUALITY CHECKED 4

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: IVTAW **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 403024.85N/1112521.97W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
FIX PLACED 6983.67 FT/1.53 NM, BEARING (010.40) FROM K36U.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS)-A			K36U	HEBER CITY	UT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/02/2009

REASON FOR REVISION:
CHANGED MRA FROM "-" TO " 81.8".
UPDETED FIX USE.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED 02/09/2009.
REMOVED FACILITY 1 AND ADJUSTED DATA TO NEW FORMAT.

DEVELOPED BY: **DATE:** 04/21/2009 **OFFICE:** AVN-130 **NAME:** DION LANCIA

APPROVED BY: **DATE:** 04/28/2009 **OFFICE:** AVN-130 **NAME:** RICK WEBB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SLC
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: NONTY **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 401421.75N/1112303.43W **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	DIST FROM FAC FEET	MRA	MAA
1	FAIRFIELD	FFU	VORTAC	H	078.58	094.58	25.64	25.64		13000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
NAME CHANGED FROM MEGIE TO NONTY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V200	1				(US)
IAP	RNAV (GPS)-A			K36U	HEBER CITY	UT (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/02/2009

REASON FOR REVISION:
CHANGED FIX NAME FROM MEGIE TO NONTY PER ATC REQUEST, SIMILIAR SOUNDING FIX NAMES WITHIN SLC AIRSPACE.
ADDED SLC APP CON TO BLOCK 1C.
DELETED CHART NOTE: CHART DME FIX LOW ENROUTE V-200 (L7), (L8).
UPDATED FIX USE.

THIS IS A REPLACEMENT COPY OF THE FORM DEVELOPED 02/10/2009.
REMOVED FACILITY 1, ADDED DIST FROM FAC, AND ADJUSTED DATA TO NEW FORMAT.

DEVELOPED BY: **DATE:** 04/21/2009 **OFFICE:** AVN-130 **NAME:** DION LANCIA

APPROVED BY: **DATE:** 04/28/2009 **OFFICE:** AVN-130 **NAME:** RICK WEBB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SLC
OTHER:

QUALITY A CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: UZEYU **STATE:** UT **COUNTRY:** US

LATITUDE/LONGITUDE: 403630.97N/1112353.77W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS)-A			K36U	HEBER CITY	UT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/02/2009

REASON FOR REVISION:
UPDATED FIX USE.

THIS IS A REPLACEMENT COPY OF THE FROM DEVELOPED 02/09/2009.
REMOVED FACILITY 1 AND ADJUSTED DATA TO NEW FORMAT.

DEVELOPED BY: **DATE:** 04/21/2009 **OFFICE:** AVN-130 **NAME:** DION LANCIA

APPROVED BY: **DATE:** 04/28/2009 **OFFICE:** AVN-130 **NAME:** RICK WEBB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SLC
OTHER:

QUALITY CHECKED 4

Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Dez Silagyi, Manager, Terminal Procedures & Charting Services, Western Team, AJV-354

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

TAKE-OFF MINIMUMS AMDT 3
RNAV (GPS)-A, AMDT 2
SID COOLI (RNAV) THREE

Estimated Chart Date: 05/31/2012

Runway Numbers are not affected.

Please publish these changes in the National Flight Data Digest.

Utah

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Heber	Heber City Muni-Russ McDonald Field	Airport	K36U / 36U	Old 14 ° East New 11 ° East	2015

If you have any questions please notify Dez Silagyi (405-954-9977).

cc: SEA-FPT, AVJ-3rf
AJV-354:DSilagyi :sbj::x7537:19/03/2012:(U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Change Request for Heber, UT (K36U) 1-11-12)

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-354 Lead
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-354 DSilagyi
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-341 WTerrell
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **HEBER** STATE: **UT**

AIRPORT NAME: **HEBER CITY MUNI - RUSS MCDONALD FIELD** ID: **K36U**

PROCEDURE: RNAV (GPS)-A AMDT: **2**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **IVTAW MAP** to 1000' point **3.20**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **190.42**
4. High Terrain in **FINAL** segment containing 1000' point **7502**
5. Distance from **IVTAW MAP** to 1500' point **5.40**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.92**
7. True Course of **FINAL** segment containing 1500' point **190.42**
8. High Terrain in **FINAL** segment containing 1500' point **7502**
9. Threshold Coordinates (if straight-in) ... _____ / _____
10. ARP Coordinates ..... **402854.50N** / **1112543.70W**
11. Runway Approach End and distance furthest from ARP.....RWY **4**
    Distance **0.57** NM
12. FAF Coordinates ..... **403630.97N** / **1112353.77W**
    (Click to Select)

REMARKS: Approach/Drawing attached.