

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA	
WIPES (IAF)	WOXOL (TF) (FB) (RNP 0.30)	247.98 / 3.11	5000	CLIMB TO 4000 ON TRACK 144.12 TO JIDAG LEFT TURN TO WOTKU AND TRACK 319.90 TO BATUM AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, LT, 234.23 INBOUND. DISTANCE TO THLD FROM 250 HATH: 0.62 NM. #TCH 1220.4 MSL (DO NOT CHART) ROUTE TYPE: A, R ROUTE TYPE QUALIFIER1: P ROUTE TYPE QUALIFIER2: S	
WOXOL	HUGTI (RF) (FB) (RNP 0.30)	(3.50 NM RADIUS CCW UTSIJ)4.02	4100		
HUGTI	ZITNI (RF) (FB) (RNP 0.30)	(3.40 NM RADIUS CW VUHZE)1.30	3800		
UPBOB	SUGSE (TF) (FB) (RNP 2.00)	332.33 / 18.18	5000		
SUGSE (IAF) (SEE FORM 8260-10)	WEXAG (TF) (FB) (RNP 0.30)	345.50 / 4.59	5000		

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT ZITNI
- FAC:    \* FAF: \*SEE TERMINAL ROUTES FROM LACIP DIST FAF TO MAP:        THLD:
- MIN. ALT: ZITNI 3800, LACIP 3600
- DIST TO THLD FROM OM:    7.47 MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:    3600 GS ALT AT: LACIP 3600 JOMPU 2976 HODPA 2022 OM:        MM:        IM:
- GS ANGLE:    3.00 TCH: #52.0 34:1 IS CLEAR
- MSA FROM: RW14L 4700

MAG VAR: 18E EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD					
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

AUTHORIZATION REQUIRED															
RNP 0.10 DA	1418	3/4	250	1418	3/4	250	1418	3/4	250	1418	3/4	250			
RNP 0.30 DA	1478	1	310	1478	1	310	1478	1	310	1478	1	310			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 47C (116F).  
 CHART NOTE: RF REQUIRED.  
 CHART NOTE: GPS REQUIRED.

CITY AND STATE MOSES LAKE, WA	ELEVATION: 1189 THRE: 1168	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 14L, ORIG <b>10 MAR 2011</b>	SUP:
	AIRPORT NAME: GRANT CO INTL			AMDT: NONE
	DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (RNP) - STANDARD,  
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEXAG	HOTEP (RF) (FB) (RNP 0.30)	(3.80 NM RADIUS CCW OSBUQ)/5.07	4000
HOTEP	ZITNI (RF) (FB) (RNP 0.30)	(3.40 NM RADIUS CCW JFRYA)/3.85	3800
ZITNI (IF)	LACIP (TF) (FB) (RNP 0.30)	204.15 / 1.35	3600
LACIP (FAF)	*JOMPU (TF) (FB)	204.13 / 2.04	
JOMPU	*HODPA (RF) (FB)	(2.80 NM RADIUS CCW IWMOJ)/2.93	
HODPA	*RW14L (MAP) (TF) (FO)	144.11 / 2.50	
RW14L (MAP)	JIDAG (TF) (FB) (RNP 1.00)	144.12/7.00	
JIDAG	WOTKU (RF) (FB) (RNP 1.00)	(5.20 NM RADIUS CCW (YAVUV) / 16.73	
WOTKU	BATUM (TF) (FO) (RNP 1.00)	319.90 / 5.64	4000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT UPBOB: (RNP 0.30).

CHART PLANVIEW NOTE AT WIPES : (RNP 0.30).

CHART PLANVIEW NOTE AT WOXOL, WEXAG: MAX 210 KIAS

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIPES ON V120 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UPBOB ON V357 SOUTHEAST BOUND.

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ARINC PACKET - 424-18 - RNAV (RNP)

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEAENRT	BATUM	K10	C	L	N47153843W119051468			E0160	NAR	BATUM			
SUSAEAENRT	HODPA	K10	W		N47155505W119204305			E0161	NAR	HODPA			
SUSAEAENRT	HOTEP	K10	W		N47220793W119111994			E0161	NAR	HOTEP			
SUSAEAENRT	HUGTI	K10	W		N47221643W119153155			E0161	NAR	HUGTI			
SUSAEAENRT	IWMOJ	K10	W		N47164657W119164824			E0161	NAR	CNF (IWMOJ)			
SUSAEAENRT	JFRYA	K10	W		N47185311W119124842			E0161	NAR	CNF (JFRYA)			
SUSAEAENRT	JIDAG	K10	W		N47065281W119162663			E0160	NAR	JIDAG			
SUSAEAENRT	JOMPU	K10	W		N47183912W119195141			E0161	NAR	JOMPU			
SUSAEAENRT	LACIP	K10	W		N47200996W119175062			E0161	NAR	LACIP			
SUSAEAENRT	OSBUQ	K10	W		N47183017W119125871			E0160	NAR	CNF (OSBUQ)			
SUSAEAENRT	SUGSE	K10	W		N47134129W119074900			E0160	NAR	SUGSE			
SUSAEAENRT	UPBOB	K10	C	L	N46554629W119032012			E0159	NAR	UPBOB			
SUSAEAENRT	UTSIJ	K10	W		N47210404W119104160			E0161	NAR	CNF (UTSIJ)			
SUSAEAENRT	VUHZE	K10	W		N47232675W119201332			E0161	NAR	CNF (VUHZE)			
SUSAEAENRT	WEXAG	K10	W		N47181614W119072431			E0160	NAR	WEXAG			
SUSAEAENRT	WIPES	K10	C	L	N47244655W119062942			E0160	NAR	WIPES			
SUSAEAENRT	WOTKU	K10	W		N47102536W119020789			E0160	NAR	WOTKU			
SUSAEAENRT	WOXOL	K10	W		N47243340W119110346			E0161	NAR	WOXOL			
SUSAEAENRT	YAVUV	K10	W		N47082834W119091167			E0160	NAR	CNF (YAVUV)			
SUSAEAENRT	ZITNI	K10	W		N47210999W119163071			E0161	NAR	ZITNI			

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMWHK1AMWH	0		135YHN47123090W119190890E018001189					1800018000C	MNAR	GRANT CO INTL			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMWHK1FR14LZ AUPBOB	010UPBOBK1EA0E				IF					18000			A PS
SUSAP KMWHK1FR14LZ AUPBOB	020SUGSEK1EA0E	A	020TF			33230182		+ 05000					A PS
SUSAP KMWHK1FR14LZ AUPBOB	030WEXAGK1EA0E		031TF			34550046		+ 05000		210			A-PS
SUSAP KMWHK1FR14LZ AUPBOB	040HOTEPK1EA0E		L031RF			0038003455		+ 04000				OSBUQ K1EAA	PS
SUSAP KMWHK1FR14LZ AUPBOB	050ZITNIK1EA0EE		BL031RF			0034002691		+ 03800				JFRYA K1EAA	PS
SUSAP KMWHK1FR14LZ AWIPES	010WIPESK1EA0E	A	IF							18000			A PS
SUSAP KMWHK1FR14LZ AWIPES	020WOXOLK1EA0E		031TF			24800031		+ 05000		210			A-PS
SUSAP KMWHK1FR14LZ AWIPES	030HUGTIK1EA0E		L031RF			0035002480		+ 04100				UTSIJ K1EAA	PS
SUSAP KMWHK1FR14LZ AWIPES	040ZITNIK1EA0EE		BR031RF			0034001822		+ 03800				VUHZE K1EAA	PS
SUSAP KMWHK1FR14LZ R	010ZITNIK1EA0E	I	IF					+ 03800		18000			A PS
SUSAP KMWHK1FR14LZ R	020LACIPK1EA1E	F	031TF			20420014		+ 03600				RW14LBK1PGA	PS
SUSAP KMWHK1FR14LZ R	020LACIPK1EA2W									A031A011			PS

CITY AND STATE  
**MOSES LAKE, WA**

ELEVATION: **1189**      THRE: **1168**  
 AIRPORT NAME:  
**GRANT CO INTL**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**RNAV (RNP) Z RWY 14L, ORIG**  
**10 MAR 2011**

SUP:  
 AMDT: **NONE**  
 DATED:



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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	UPBOB	UPBOB	010		IF		FB					
	UPBOB	SUGSE	020	IAF	TF		FB	2.0	332.3 (350.3T)	018.2	AA 05000	
	UPBOB	WEXAG	030		TF		FB	0.3	345.5 (003.5T)	004.6	AA 05000	AB 210
	UPBOB	HOTEP	040		RF	L	FB	0.3		005.1	AA 04000	
	UPBOB	ZITNI	050		RF	L	FB	0.3		003.9	AA 03800	
	WIPES	WIPES	010	IAF	IF		FB					
	WIPES	WOXOL	020		TF		FB	0.3	248.0 (266.0T)	003.1	AA 05000	AB 210
	WIPES	HUGTI	030		RF	L	FB	0.3		004.0	AA 04100	
	WIPES	ZITNI	040		RF	R	FB	0.3		001.3	AA 03800	
		ZITNI	010	FACF	IF		FB				AA 03800	
		LACIP	020	FAF	TF		FB	0.3	204.2 (222.2T)	001.4	AA 03600	
		JOMPU	021		TF		FB	0.3	204.1 (222.1T)	002.0		
		HODPA	022		RF	L	FB	0.3		002.9		
		RW14L	030	MAP	TF		FO	0.3	144.1 (162.1T)	002.5	AT 01220	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JIDAG	040		TF		FB	1.0	144.1 (162.1T)	007.0		
	WOTKU	050		RF	L	FB	1.0		016.7		
	BATUM	060		TF		FO	1.0	319.9 (337.9T)	005.6	AA 04000	
	BATUM	070		HM	L	FO	2.0	234.2 (252.2T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BATUM	N471538.43	W1190514.68	N4715.641	W11905.245
	HODPA	N471555.05	W1192043.05	N4715.918	W11920.718
	HOTEP	N472207.93	W1191119.94	N4722.132	W11911.332
	HUGTI	N472216.43	W1191531.55	N4722.274	W11915.526
	IWMOJ	N471646.57	W1191648.24	N4716.776	W11916.804
	JFRYA	N471853.11	W1191248.42	N4718.885	W11912.807
	JIDAG	N470652.81	W1191626.63	N4706.880	W11916.444
	JOMPU	N471839.12	W1191951.41	N4718.652	W11919.857
	LACIP	N472009.96	W1191750.62	N4720.166	W11917.844
	OSBUQ	N471830.17	W1191258.71	N4718.503	W11912.979
	SUGSE	N471341.29	W1190749.00	N4713.688	W11907.817
	UPBOB	N465546.29	W1190320.12	N4655.772	W11903.335
	UTSIJ	N472104.04	W1191041.60	N4721.067	W11910.693
	VOHZE	N472326.75	W1192013.32	N4723.446	W11920.222
	WEXAG	N471816.14	W1190724.31	N4718.269	W11907.405
	WIPES	N472446.55	W1190629.42	N4724.776	W11906.490
	WOTKU	N471025.36	W1190207.89	N4710.423	W11902.132
	WOXOL	N472433.40	W1191103.46	N4724.557	W11911.058

QUALITY  
A  
CHECKED

CITY AND STATE <b>MOSES LAKE, WA</b>	ELEVATION: <b>1189</b> THRE: <b>1168</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>GRANT CO INTL</b>		<b>RNAV (RNP) Z RWY 14L, ORIG</b>	AMDT: <b>NONE</b>
			<b>10 MAR 2011</b>	DATED:

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YAVUV	N470828.34	W1190911.67	N4708.472	W11909.195
ZITNI	N472109.99	W1191630.71	N4721.167	W11916.512
RW14L	N471332.37	W1191935.43	N4713.540	W11919.591

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW14L	01168	52



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