



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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

**TERMINAL ROUTES, (CONT.):**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZOBLI	ZETEK (TF) (FB) (RNP 0.30)	324.19 / 1.00	2900
FEBUS	JIBOD (TF) (FB) (RNP 2.00)	055.99 / 13.77	7100
JIBOD (IAF)	ZONOK (TF) (FB) (RNP 1.00)	056.23 / 10.00	4500
COYYA	PLUSS (TF) (FB) (RNP 2.00)	093.13 / 11.77	8000
PLUSS (IAF)	CUSPI (TF) (FB) (RNP 1.00)	128.44 / 10.14	6000
CUSPI	ZONOK (RF) (FB) (RNP 0.30)	(3.70 NM RADIUS CCW ITVIW)/4.66	4500
ZONOK	ZETEK (RF) (FB) (RNP 0.30)	(3.40 NM RADIUS CCW ITXOJ)/5.48	2900
ZETEK (IF)	ZAVYO (TF) (FB) (RNP 0.30)	324.18 / 2.04	2800
ZAVYO (FAF)	RW32R (MAP) (TF) (FO)	324.17 / 4.96	
RW32R (MAP)	FORWY (TF) (FB) (RNP 1.00)	324.14/6.72	
FORWY	WEPMO (RF) (FB) (RNP 1.00)	(4.70 NM RADIUS CW QUJRI) / 14.32	
WEPMO	BATUM (TF) (FO) (RNP 1.00)	138.79 / 5.94	4000

**NOTES, (CONT.):**

CHART PLANVIEW NOTE AT COYYA: (RNP 0.30).  
 CHART PLANVIEW NOTE AT FEBUS: (RNP 0.30).  
 CHART PLANVIEW NOTE AT SUBDY: (RNP 0.30).  
 CHART PLANVIEW NOTE AT UPBOB: (RNP 0.30).

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE RNP 0.10 VISIBILITY ALL CATS TO RVR 4000, INCREASE RNP 0.30 VISIBILITY ALL CATS TO RVR 6000.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COYYA ON V336 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FEBUS ON V448 SOUTHWEST BOUND, AND V187 NORTHWEST BOUND.

CITY AND STATE

MOSES LAKE, WA

ELEVATION: 1189

THRE: 1167

AIRPORT NAME:

GRANT CO INTL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 32R, ORIG

10 MAR 2011

SUP:

AMDT: NONE

DATED:

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUBDY ON V2-448 NORTHEAST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UPBOB ON V357 SOUTHEAST BOUND.  
CHART PLANVIEW NOTE AT CUSPI, ZONOK, HIXOS: MAX 210 KIAS.

CITY AND STATE  
MOSES LAKE, WA

ELEVATION: 1189      THRE: 1167  
AIRPORT NAME:  
GRANT CO INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
RNAV (RNP) Z RWY 32R, ORIG  
10 MAR 2011

SUP:  
AMDT: NONE  
DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMWHK1FR32RZ	ACQYYA	010COYYAK1EA0E	IF						18000		A	PS
SUSAP	KMWHK1FR32RZ	ACQYYA	020PLUSSK1EA0E	A 020TF			09310118	+ 08000				A	PS
SUSAP	KMWHK1FR32RZ	ACQYYA	030CUSPIK1EA0E	010TF			12840101	+ 06000				A	PS
SUSAP	KMWHK1FR32RZ	ACQYYA	040ZONOKK1EA0E	L031RF		0037001284	056040047	+ 04500			ITVIW	K1EAA	PS
SUSAP	KMWHK1FR32RZ	ACQYYA	050ZETEEKK1EA0EE	BL031RF		0034000564	32420055	+ 02900			ITXOJ	K1EAA	PS
SUSAP	KMWHK1FR32RZ	AFEBUS	010FEBUSK1EA0E	IF						18000		A	PS
SUSAP	KMWHK1FR32RZ	AFEBUS	020JIBODK1EA0E	A 020TF			05600138	+ 07100				A	PS
SUSAP	KMWHK1FR32RZ	AFEBUS	030ZONOKK1EA0E	010TF			05620100	+ 04500				A	PS
SUSAP	KMWHK1FR32RZ	AFEBUS	040ZETEEKK1EA0EE	BL031RF		0034000562	32420055	+ 02900			ITXOJ	K1EAA	PS
SUSAP	KMWHK1FR32RZ	ASUBDY	010SUBDYK1EA0E	IF						18000		A	PS
SUSAP	KMWHK1FR32RZ	ASUBDY	020WIDKOK1EA0E	A 020TF			20140102	+ 07700				A	PS

CITY AND STATE <b>MOSES LAKE, WA</b>	ELEVATION: <b>1189</b> THRE: <b>1167</b> AIRPORT NAME: <b>GRANT CO INTL</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (RNP) Z RWY 32R, ORIG</b> <b>10 MAR 2011</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KMWHK1FR32RZ ASUBDY 030HIXOSK1EA0E 010TF	20130100	+ 05100	A PS
SUSAP KMWHK1FR32RZ ASUBDY 040ZETEEK1EA0EE BR031RF	0034002013	32420073 + 02900	IZOSY K1EAA PS
SUSAP KMWHK1FR32RZ AUPBOB 010UPBOBK1EA0E IF		18000	A PS
SUSAP KMWHK1FR32RZ AUPBOB 020IWKIDK1EA0E A 020TF	28160076	+ 04000	A PS
SUSAP KMWHK1FR32RZ AUPBOB 030ZOBLIK1EA0E 010TF	32420045	+ 03100	A PS
SUSAP KMWHK1FR32RZ AUPBOB 040ZETEEK1EA0EE B 031TF	32420010	+ 02900	A PS
SUSAP KMWHK1FR32RZ R 010ZETEEK1EA0E I IF		+ 02900 18000	A PS
SUSAP KMWHK1FR32RZ R 020ZAVYOK1EA1E F 031TF	32420020	+ 02800	RW32RBK1PGA PS
SUSAP KMWHK1FR32RZ R 020ZAVYOK1EA2W		A031A011	PS
SUSAP KMWHK1FR32RZ R 030RW32RK1PGOGY M 031TF	32420050	01222 -300	A PS
SUSAP KMWHK1FR32RZ R 040FORWYK1EA0E M 010TF	32410067		A PS
SUSAP KMWHK1FR32RZ R 050WEPMOK1EA0E R010RF	0047003241	13880143	QUJRI K1EAA PS
SUSAP KMWHK1FR32RZ R 060BATUMK1EA0EY 010TF	13880059	+ 04000	A PS
SUSAP KMWHK1FR32RZ R 070BATUMK1EA0EE L020HM	23420040	+ 04000	A PS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KMWHK1GRW32R	0135033241 N47112554W119183542+0000 +0334901167000055200IMWH1												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KMWHK1SRW32RK1PGB	0 18018004325 M												

QUALITY  
4  
CHECKED

CITY AND STATE <b>MOSES LAKE, WA</b>	ELEVATION: <b>1189</b>	THRE: <b>1167</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (RNP) Z RWY 32R, ORIG</b> <b>10 MAR 2011</b>	SUP:
	AIRPORT NAME: <b>GRANT CO INTL</b>				AMDT: <b>NONE</b>
					DATED:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	COYYA	COYYA	010		IF		FB					
	COYYA	PLUSS	020	IAF	TF		FB	2.0	093.1 (111.1T)	011.8	AA 08000	
	COYYA	CUSPI	030		TF		FB	1.0	128.4 (146.4T)	010.1	AA 06000	
	COYYA	ZONOK	040		RF	L	FB	0.3		004.7	AA 04500	
	COYYA	ZETEK	050		RF	L	FB	0.3		005.5	AA 02900	
	FEBUS	FEBUS	010		IF		FB					
	FEBUS	JIBOD	020	IAF	TF		FB	2.0	056.0 (074.0T)	013.8	AA 07100	
	FEBUS	ZONOK	030		TF		FB	1.0	056.2 (074.2T)	010.0	AA 04500	
	FEBUS	ZETEK	040		RF	L	FB	0.3		005.5	AA 02900	
	SUBDY	SUBDY	010		IF		FB					
	SUBDY	WIDKO	020	IAF	TF		FB	2.0	201.4 (219.4T)	010.2	AA 07700	
	SUBDY	HIXOS	030		TF		FB	1.0	201.3 (219.3T)	010.0	AA 05100	
	SUBDY	ZETEK	040		RF	R	FB	0.3		007.3	AA 02900	
	UPBOB	UPBOB	010		IF		FB					
	UPBOB	IWKID	020	IAF	TF		FB	2.0	281.6 (299.6T)	007.6	AA 04000	
	UPBOB	ZOBLI	030		TF		FB	1.0	324.2 (342.2T)	004.5	AA 03100	
	UPBOB	ZETEK	040		TF		FB	0.3	324.2 (342.2T)	001.0	AA 02900	
		ZETEK	010	FACF	IF		FB				AA 02900	
		ZAVYO	020	FAF	TF		FB	0.3	324.2 (342.2T)	002.0	AA 02800	
		RW32R	030	MAP	TF		FO	0.3	324.2 (342.2T)	005.0	AT 01222	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FORWY	040		TF		FB	1.0	324.1 (342.1T)	006.7		
	WEPMO	050		RF	R	FB	1.0		014.3		
	BATUM	060		TF		FO	1.0	138.8 (156.8T)	005.9	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
	COYYA	N471441.15	W1194906.58	N4714.686	W11949.110
	CUSPI	N470158.32	W1192448.97	N4701.972	W11924.816
	FEBUS	N465358.82	W1195213.78	N4653.980	W11952.230
	FORWY	N471748.96	W1192136.99	N4717.816	W11921.617
	HIXOS	N470339.51	W1190651.21	N4703.659	W11906.854
	ITVIW	N470400.73	W1192018.19	N4704.012	W11920.303
	ITXOJ	N470343.42	W1192011.01	N4703.724	W11920.184
	IWKID	N465930.75	W1191258.85	N4659.513	W11912.981
	IZOSY	N470548.24	W1191042.68	N4705.804	W11910.711
	JIBOD	N465744.88	W1193254.58	N4657.748	W11932.910
	PLUSS	N471025.55	W1193300.93	N4710.426	W11933.016

CITY AND STATE <b>MOSES LAKE, WA</b>	ELEVATION: <b>1189</b> THRE: <b>1167</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (RNP) Z RWY 32R, ORIG</b>  <b>10 MAR 2011</b>	SUP:
	AIRPORT NAME: <b>GRANT CO INTL</b>			AMDT: <b>NONE</b>
				DATED:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUJRI	N471915.18	W1191502.45	N4719.253	W11915.041
SUBDY	N471919.35	W1184804.51	N4719.323	W11848.075
UPBOB	N465546.29	W1190320.12	N4655.772	W11903.335
WEPMO	N472106.11	W1190841.03	N4721.102	W11908.684
WIDKO	N471124.28	W1185735.90	N4711.405	W11857.598
ZAVYO	N470642.65	W1191621.91	N4706.711	W11916.365
ZETEK	N470445.93	W1191526.94	N4704.766	W11915.449
ZOBLI	N470348.83	W1191500.08	N4703.814	W11915.001
ZONOK	N470027.02	W1191850.84	N4700.450	W11918.847
RW32R	N471125.54	W1191835.42	N4711.426	W11918.590

**RUNWAY DATA**

RWY	THRESHOLD ELEVATION	TCH
RW32R	01167	55



CITY AND STATE  
**MOSES LAKE, WA**

ELEVATION: **1189**      THRE: **1167**  
 AIRPORT NAME:  
**GRANT CO INTL**

FACILITY  
 IDENTIFIER:  
  
**RNAV**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**RNAV (RNP) Z RWY 32R, ORIG**  
  
**10 MAR 2011**

SUP:  
 AMDT: **NONE**  
 DATED: