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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
I PROF (FAF)	RW22 (MAP) (TF) (FO)	216.27 / 5.01	
RW22 (MAP)	ONPIC (TF) (FO) (RNP 1.00)	216.20/12.85	4000

NOTES, (CONT.):

CHART PLANVIEW NOTE ADJACENT TO EPHRATA VORTAC IAF: RF REQUIRED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUBDY ON V2-448 EASTBOUND
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EPH VORTAC ON RADIALS 060 CW 135.
 CHART PLANVIEW NOTE AT YERUD: MAX 210 KIAS

CITY AND STATE
 MOSES LAKE, WA

ELEVATION: 1189 **THRE:** 1153
AIRPORT NAME:
 GRANT CO INTL

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (RNP) Z RWY 22, ORIG
10 MAR 2011

SUP:
AMDT: NONE
DATED:

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KMWHK1FR22-Z	AEPH	010EPH	K1D 0V	A	IF				18000		A	PS	
SUSAP	KMWHK1FR22-Z	AEPH	020YERUDK1EA0E		010TF		06330079	+ 04000		210		A-PS		
SUSAP	KMWHK1FR22-Z	AEPH	030OPMIEK1EA0EE	BR031RF			0039000633	21630104	+ 03100		QUZRU	K1EAA	PS	
SUSAP	KMWHK1FR22-Z	ASUBDY	010SUBDYK1EA0E	A	IF					18000		A	PS	
SUSAP	KMWHK1FR22-Z	ASUBDY	020MALEEK1EA0E		010TF		25200113	+ 04000				A	PS	
SUSAP	KMWHK1FR22-Z	ASUBDY	030OPMIEK1EA0EE	B	031TF		21640042	+ 03100				A	PS	
SUSAP	KMWHK1FR22-Z	R	010OPMIEK1EA0E	I	IF					18000		A	PS	
SUSAP	KMWHK1FR22-Z	R	020IPROFK1EA1E	F	031TF		21630020	+ 02800			RW22	BK1PGA	PS	
SUSAP	KMWHK1FR22-Z	R	020IPROFK1EA2W							A031A011			PS	
SUSAP	KMWHK1FR22-Z	R	030RW22	K1PGOGY	M	031TF	21630050		01203		-300		A	PS
SUSAP	KMWHK1FR22-Z	R	040ONPICK1EA0EYM		010TF		21620129	+ 04000					A	PS
SUSAP	KMWHK1FR22-Z	R	050ONPICK1EA0EE		R020HM		03600040	+ 04000					A	PS

[illegible]

MSA 1 2 3 4 5 6 7 8 9 0 1 2

CITY AND STATE MOSES LAKE, WA	ELEVATION: 1189 THRE: 1153 AIRPORT NAME: GRANT CO INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 22. ORIG 10 MAR 2011	SUP:
				AMDT: NONE
				DATED:

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

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SUSAP KMWHK1SRW22 K1PGB

0 18018004325

M

CITY AND STATE
MOSES LAKE, WA

ELEVATION: **1189** THRE: **1153**
AIRPORT NAME:
GRANT CO INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 22, 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
	EPH	EPH	010	IAF	IF		FB					
	EPH	YERUD	020		TF		FB	1.0	063.3 (081.3T)	007.9	AA 04000	AB 210
	EPH	OPMIE	030		RF	R	FB	0.3		010.4	AA 03100	
	SUBDY	SUBDY	010	IAF	IF		FB					
	SUBDY	MALEE	020		TF		FB	1.0	252.0 (270.0T)	011.3	AA 04000	
	SUBDY	OPMIE	030		TF		FB	0.3	216.4 (234.4T)	004.2	AA 03100	
		OPMIE	010	FACF	IF		FB				AA 03100	
		IPROF	020	FAF	TF		FB	0.3	216.3 (234.3T)	002.0	AA 02800	
		RW22	030	MAP	TF		FO	0.3	216.3 (234.3T)	005.0	AT 01203	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ONPIC	040		TF		FO	1.0	216.2 (234.2T)	012.9	AA 04000	
	ONPIC	050		HM	R	FO	2.0	036.0 (054.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EPH	N472240.51	W1192526.41	N4722.675	W11925.440
	IPROF	N471541.69	W1191202.90	N4715.695	W11912.048
	MALEE	N471918.10	W1190439.97	N4719.302	W11904.666
	ONPIC	N470514.27	W1193315.84	N4705.238	W11933.264
	OPMIE	N471651.24	W1190940.78	N4716.854	W11909.680
	QUZRU	N472001.12	W1191301.54	N4720.019	W11913.026
	SUBDY	N471919.35	W1184804.51	N4719.323	W11848.075
	YERUD	N472352.37	W1191353.04	N4723.873	W11913.884
	RW22	N471245.98	W1191801.10	N4712.766	W11918.018

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	01153	50

QUALITY
4
CHECKED

CITY AND STATE MOSES LAKE, WA	ELEVATION: 1189	THRE: 1153	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 22, ORIG 10 MAR 2011	SUP:
	AIRPORT NAME: GRANT CO INTL				AMDT: NONE
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