

RNAV - 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				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 4000 DIRECT ONPIC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.01 INBOUND. CHART FAS OBST: 1244 POWERLINE 471403N/1191636W DISTANCE TO THLD FROM 200 HATH: 0.47 NM. CHART VDP AT 0.93 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 70410 REFERENCE PATH ID: W22A LTP HAE: 331 M											
EPH VORTAC	MALEE (FO)	085.31 / 14.52	4000												
MWH VOR/DME	MALEE (FO)	037.65 / 11.82	4000												
SUBDY (IAF)	MALEE (NOPT) (FB)	252.00 / 11.29	4000												
MALEE (IF/IAF)	I PROF (FB)	216.36 / 6.19	2800												
I PROF (FAF)	EVUCU/2.30 NM TO RW22 (FB)	216.27 / 2.71													
EVUCU/2.30 NM TO RW22 (SEE FORM 8260-10)	RW22 (MAP) (FO)	216.23 / 2.30													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE MALEE, RT, 216.36 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 216.27 FAF: I PROF DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: MALEE 4000, I PROF 2800, EVUCU/2.30 NM TO RW22 1920* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2800 GS ALT AT: I PROF 2800 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW22 4200				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
LPV DA	1353	3/4	200	1353	3/4	200	1353	3/4	200	1353	3/4	200			
LNAV/VNAV DA	1416	7/8	263	1416	7/8	263	1416	7/8	263	1416	7/8	263			
LNAV MDA	1500	1	347	1500	1	347	1500	1	347	1500	1	347			
CIRCLING	1660	1	471	1660	1	471	1660	1 1/2	471	1740	2	551			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 36C (96F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: BARO-VNAV AND VDP NA WHEN USING EPHRATA ALTIMETER SETTING (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1189 THRE: 1153		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MOSES LAKE, WA		AIRPORT NAME: GRANT CO INTL				RNAV (GPS) Y RWY 22, AMDT 1A 26 JULY 2012				AMDT: 1					
										DATED 03/10/2011					

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW22 (MAP)	1353 MSL	216.23	
1353 MSL	ONPIC (FO)		4000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING AND INCREASE ALL DA 36 FEET AND ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY AND LNAV CATS C AND D VISIBILITY 1/8 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EPH VORTAC ON AIRWAY RADIALS 060 CW 135.

CITY AND STATE
MOSES LAKE, WA

ELEVATION: 1189 THRE: 1153
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FACILITY
IDENTIFIER:
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 22, AMDT 1A
26 JULY 2012

SUP:
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMWH
RUNWAY RW22
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W22A
LTP/FTP LATITUDE 471245.9835N
LTP/FTP LONGITUDE 1191801.0980W
LTP/FTP ELLIPSOIDAL HEIGHT +03310
FPAP LATITUDE 471148.2300N
FPAP LONGITUDE 1191958.5300W
THRESHOLD CROSSING HEIGHT (TCH) 00050.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

A0522291

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +03516
FPAP ORTHOMETRIC HEIGHT +03516

QUALITY
1
CHECKED

CITY AND STATE

MOSES LAKE, WA

ELEVATION: 1189

THRE: 1153

AIRPORT NAME:

GRANT CO INTL

FACILITY
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

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NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	EPH	K1011260VTHW	N47224051W119252641	N47224051W119252641	E0210012502	NAREPHRATA							
SUSAD	MWH	K1011500VDHW	N47123911W119190054	N47123911W119190054	E0180011932	NARMOSES LAKE							

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMWHK1FR22-Y	AEPH	010EPH	K1D 0V	IF					18000		A JS	
SUSAP	KMWHK1FR22-Y	AEPH	020MALEEK1EA0EY	020TF		08530145	+	04000				A JS	
SUSAP	KMWHK1FR22-Y	AEPH	030MALEEK1EA0EE	AR HF		21640040	+	04000				A JS	
SUSAP	KMWHK1FR22-Y	AMWH	010MWH	K1D 0V	IF					18000		A JS	
SUSAP	KMWHK1FR22-Y	AMWH	020MALEEK1EA0EY	020TF		03770118	+	04000				A JS	
SUSAP	KMWHK1FR22-Y	AMWH	030MALEEK1EA0EE	AR HF		21640040	+	04000				A JS	
SUSAP	KMWHK1FR22-Y	ASUBDY	010SUBDYK1EA0E	A IF						18000		A JS	
SUSAP	KMWHK1FR22-Y	ASUBDY	020MALEEK1EA0EE	B 010TF		25200113	+	04000				A JS	
SUSAP	KMWHK1FR22-Y	R	010MALEEK1EA0E	I IF						18000		A JS	
SUSAP	KMWHK1FR22-Y	R	020IPROFK1EA1E	F 051TF		21640062	+	02800			RW22	K1PGA	JS
SUSAP	KMWHK1FR22-Y	R	020IPROFK1EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KMWHK1FR22-Y	R	021EVUCUK1EA0E	S 031TF		21630027	V	0192001936		-300		A JS	
SUSAP	KMWHK1FR22-Y	R	030RW22	K1PGOGY M 031TF		21620023		01203		-300		A JS	
SUSAP	KMWHK1FR22-Y	R	040	0 M CA		2162	+	01353				A JS	
SUSAP	KMWHK1FR22-Y	R	050ONPICK1EA0EY	DF			+	04000				A JS	
SUSAP	KMWHK1FR22-Y	R	060ONPICK1EA0EE	R HM		03600040	+	04000				A JS	

[illegible]

CITY AND STATE MOSES LAKE, WA	ELEVATION: 1189	THRE: 1153	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) Y RWY 22, AMDT 1A	AMDT: 1
	GRANT CO INTL	RNAV	26 JULY 2012	DATED: 03/10/2011	

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[illegible]

QUALITY
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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
	EPH	EPH	010		IF		FB					
	EPH	MALEE	020		TF		FO	2.0	085.3 (103.3T)	014.5	AA 04000	
	EPH	MALEE	030	IAF	HF	R	FO		216.4 (234.4T)	004.0	AA 04000	
	MWH	MWH	010		IF		FB					
	MWH	MALEE	020		TF		FO	2.0	037.7 (055.7T)	011.8	AA 04000	
	MWH	MALEE	030	IAF	HF	R	FO		216.4 (234.4T)	004.0	AA 04000	
	SUBDY	SUBDY	010	IAF	IF		FB					
	SUBDY	MALEE	020		TF		FB	1.0	252.0 (270.0T)	011.3	AA 04000	
		MALEE	010	FACF	IF		FB				AA 04000	
		I PROF	020	PAF	TF		FB	0.5	216.4 (234.4T)	006.2	AA 02800	
		EVUCU	021	SDF	TF		FB	0.3	216.3 (234.3T)	002.7	AA 01920	GS 01936
		RW22	030	MAP	TF		FO	0.3	216.2 (234.2T)	002.3	AT 01203	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		216.2 (234.2T)		AA 01353	
	ONPIC	050		DF		FO				AA 04000	
	ONPIC	060		HM	R	FO		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
	MWH	N471239.11	W1191900.54	N4712.652	W11919.009
	EVUCU	N471406.63	W1191516.85	N4714.111	W11915.281
	I PROF	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
	SUBDY	N471919.35	W1184804.51	N4719.323	W11848.075
	RW22	N471245.98	W1191801.10	N4712.766	W11918.018

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	01153	50

CITY AND STATE
MOSES LAKE, WA

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

FACILITY
 IDENTIFIER:
RNAV

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RNAV (GPS) Y RWY 22, AMDT 1A
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