

<b>RNAV - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>				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.											
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW32R  CLIMB TO 4000 DIRECT JUKRI AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, LT, 144.05 INBOUND. CHART FAS OBST: 1306 WATER TOWER 471102N/1191914W DISTANCE TO THLD FROM 200 HATH: 0.46 NM. WAAS CHANNEL # 77799 REFERENCE PATH ID: W32A LTP HAE: 334.9 M											
MWH VOR/DME	IWKID (FO)	144.57 / 13.78	4000												
FEBUS	PEWYE (FB)	062.70 / 19.62	4000												
SUBDY	YUNUV (FB)	187.27 / 18.71	4100												
PEWYE (IAF)	IWKID (NOPT) (FB)	054.08 / 7.90	4000												
YUNUV (IAF)	IWKID (NOPT) (FB)	234.37 / 9.50	4000												
UPBOB (IAF)	IWKID (NOPT) (FB)	281.59 / 7.59	4000												
ODECE (IAF)	IWKID (NOPT) (FB)	352.41 / 6.75	4000												
(SEE FORM 8260-10)															
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD SE IWKID, RT, 324.21 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>324.17</u> FAF: <u>ZAVYO</u> DIST FAF TO MAP: <u>4.96</u> THLD: <u>4.96</u> 4. MIN. ALT: <u>IWKID 4000, ZAVYO 2800, UKMEZ/1.60 NM TO RW32R 1720*</u> 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: <u>2800</u> GS ALT AT: <u>ZAVYO 2800</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.3</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW32R 4200</u>															
				MAG VAR: 18E EPOCH YEAR: 1995											
<b>MINIMUMS</b>															
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	1367	2400	200	1367	2400	200	1367	2400	200	1367	2400	200			
LNAV/VNAV DA	1517	3000	350	1517	3000	350	1517	3000	350	1517	3000	350			
LNAV MDA	1620	2400	453	1620	2400	453	1620	4500	453	1620	4500	453			
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. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. *LNAV ONLY (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1189 THRE: 1167		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MOSES LAKE, WA				AIRPORT NAME:		RNAV		RNAV (GPS) Y RWY 32R, AMDT 3				AMDT: 2			
				GRANT CO INTL				26 JULY 2012				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
IWKID (IF/IAF)	ZAVYO (FB)	324.21 / 7.56	2800
ZAVYO (FAF)	UKMEZ/1.60 NM TO RW32R (FB)	324.17 / 3.36	
UKMEZ/1.60 NM TO RW32R	RW32R (MAP) (FO)	324.15 / 1.60	
RW32R (MAP)	1367 MSL	324.15	
1367 MSL	JUKRI (FO)		4000

NOTES, (CONT.):

CHART NOTE: BARO-VNAV NA WHEN USING EPHRATA ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING AND INCREASE ALL DA 36 FEET AND ALL MDA 40 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 3500 AND LNAV CATS C AND D VISIBILITY TO RVR 5000.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CATS C AND D VISIBILITY TO 1 3/8 MILES.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING EPHRATA ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/4 MILES.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MWH VOR/DME ON V497 NORTHBOUND,

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 (GPS) Y RWY 32R, AMDT 3  
 26 JULY 2012

SUP:  
 AMDT: 2  
 DATED: 03/10/2011

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

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**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMWH
RUNWAY	RW32R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	471125.5350N
LTP/FTP LONGITUDE	1191835.4215W
LTP/FTP ELLIPSOIDAL HEIGHT	+03349
FPAP LATITUDE	471332.3800N
FPAP LONGITUDE	1191935.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	115.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER**

5781962C

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+03555
FPAP ORTHOMETRIC HEIGHT	+03555

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 (GPS) Y RWY 32R, AMDT 3 26 JULY 2012	SUP:
				AMDT: 2
				DATED: 03/10/2011

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMWHK1FR32RY	AFEBUS	010FEBUSK1EA0E	IF						18000		A JS	
SUSAP	KMWHK1FR32RY	AFEBUS	020PEWYEK1EA0E	A 020TF		06270196	+	04000				A JS	
SUSAP	KMWHK1FR32RY	AFEBUS	030IWKIDK1EA0EE	B 010TF		05410079	+	04000				A JS	
SUSAP	KMWHK1FR32RY	AMWH	010MWH K1D 0V	IF						18000		A JS	
SUSAP	KMWHK1FR32RY	AMWH	020IWKIDK1EA0EY	020TF		14460138	+	04000				A JS	
SUSAP	KMWHK1FR32RY	AMWH	030IWKIDK1EA0EE	AR HF		32420040	+	04000				A JS	
SUSAP	KMWHK1FR32RY	AODECE	010ODECEK1EA0E	A IF						18000		A JS	
SUSAP	KMWHK1FR32RY	AODECE	020IWKIDK1EA0EE	B 010TF		35240068	+	04000				A JS	
SUSAP	KMWHK1FR32RY	ASUBDY	010SUBDYK1EA0E	IF						18000		A JS	
SUSAP	KMWHK1FR32RY	ASUBDY	020YUNUVK1EA0E	A 020TF		18730187	+	04100				A JS	
SUSAP	KMWHK1FR32RY	ASUBDY	030IWKIDK1EA0EE	B 010TF		23440095	+	04000				A JS	
SUSAP	KMWHK1FR32RY	AUPBOB	010UPBOBK1EA0E	A IF						18000		A JS	
SUSAP	KMWHK1FR32RY	AUPBOB	020IWKIDK1EA0EE	B 010TF		28160076	+	04000				A JS	
SUSAP	KMWHK1FR32RY	R	010IWKIDK1EA0E	I IF			+	04000		18000		A JS	
SUSAP	KMWHK1FR32RY	R	020ZAVYOK1EA1E	F 051TF		32420076	+	02800			RW32R K1PGA	JS	
SUSAP	KMWHK1FR32RY	R	020ZAVYOK1EA2WALPV		ALNAV/VNAV	ALNAV						A JS	
SUSAP	KMWHK1FR32RY	R	021UKMEZK1EA0E	S 031TF		32420034	V	0172001731		-300		A JS	

CITY AND STATE <b>MOSES LAKE, WA</b>	ELEVATION: <b>1189</b> <b>THRE: 1167</b> AIRPORT NAME: <b>GRANT CO INTL</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			<b>RNAV (GPS) Y RWY 32R, AMDT 3</b>	AMDT: <b>2</b>
			<b>26 JULY 2012</b>	DATED: <b>03/10/2011</b>

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32420016      01222      -300      A JS
3242      + 01367      A JS
           + 04000      A JS
14410040      + 04000      A JS

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[illegible]

SUP:	
AMDT:	2
DATED:	03/10/2011

**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
	FEBUS	FEBUS	010		IF		FB					
	FEBUS	PEWYE	020	IAF	TF		FB	2.0	062.7 (080.7T)	019.6	AA 04000	
	FEBUS	IWKID	030		TF		FB	1.0	054.1 (072.1T)	007.9	AA 04000	
	MWH	MWH	010		IF		FB					
	MWH	IWKID	020		TF		FO	2.0	144.6 (162.6T)	013.8	AA 04000	
	MWH	IWKID	030	IAF	HF	R	FO		324.2 (342.2T)	004.0	AA 04000	
	ODECE	ODECE	010	IAF	IF		FB					
	ODECE	IWKID	020		TF		FB	1.0	352.4 (010.4T)	006.8	AA 04000	
	SUBDY	SUBDY	010		IF		FB					
	SUBDY	YUNUV	020	IAF	TF		FB	2.0	187.3 (205.3T)	018.7	AA 04100	
	SUBDY	IWKID	030		TF		FB	1.0	234.4 (252.4T)	009.5	AA 04000	
	UPBOB	UPBOB	010	IAF	IF		FB					
	UPBOB	IWKID	020		TF		FB	1.0	281.6 (299.6T)	007.6	AA 04000	
		IWKID	010	FACF	IF		FB				AA 04000	
		ZAVYO	020	PAF	TF		FB	0.5	324.2 (342.2T)	007.6	AA 02800	
		UKMEZ	021	SDF	TF		FB	0.3	324.2 (342.2T)	003.4	AA 01720	GS 01731
		RW32R	030	MAP	TF		FO	0.3	324.2 (342.2T)	001.6	AT 01222	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		324.2 (342.2T)		AA 01367	
	JUKRI	050		DF		FO				AA 04000	
	JUKRI	060		HM	L	FO		144.1 (162.1T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MWH	N471239.11	W1191900.54	N4712.652	W11919.009
	FEBUS	N465358.82	W1195213.78	N4653.980	W11952.230
	IWKID	N465930.75	W1191258.85	N4659.513	W11912.981
	JUKRI	N472457.12	W1192500.94	N4724.952	W11925.016
	ODECE	N465252.39	W1191445.86	N4652.873	W11914.764
	PEWYE	N465705.47	W1192357.67	N4657.091	W11923.961
	SUBDY	N471919.35	W1184804.51	N4719.323	W11848.075
	UKMEZ	N470954.21	W1191752.27	N4709.904	W11917.871
	UPBOB	N465546.29	W1190320.12	N4655.772	W11903.335
	YUNUV	N470224.06	W1185945.29	N4702.401	W11859.755
	ZAVYO	N470642.65	W1191621.91	N4706.711	W11916.365
	RW32R	N471125.54	W1191835.42	N4711.426	W11918.590

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	

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:	SUP:
	AIRPORT NAME: <b>GRANT CO INTL</b>		<b>RNAV (GPS) Y RWY 32R, AMDT 3</b>	AMDT: <b>2</b>
			<b>26 JULY 2012</b>	DATED: <b>03/10/2011</b>

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RW32R 01167 55

CITY AND STATE <b>MOSES LAKE, WA</b>	ELEVATION: <b>1189</b> <b>THRE: 1167</b> AIRPORT NAME: <b>GRANT CO INTL</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			<b>RNAV (GPS) Y RWY 32R, AMDT 3</b>	AMDT: <b>2</b>
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