

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		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: RW04 CLIMB TO 4000 DIRECT YELUG AND ON TRACK 359.95 TO WIPES AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 239.61 INBOUND. CHART FAS OBST: 1281 ANT 471123N/1191925W DISTANCE TO THLD FROM 200 HATH: 0.47 NM. WAAS CHANNEL # 42809 REFERENCE PATH ID: W04A LTP HAE: 341.7 M											
MWH VOR/DME	ONPIC (FO)	214.77 / 12.23	4000												
EDSEW (IAF)	ONPIC (NOPT) (FB)	087.90 / 10.25	4000												
RUBEL (IAF)	ONPIC (NOPT) (FB)	027.43 / 4.80	4000												
ONPIC (IF/IAF)	UBGUY (FB)	036.01 / 6.30	2800												
UBGUY (FAF)	ZOBEM/1.40 NM TO RW04 (FB)	036.10 / 3.50													
ZOBEM/1.40 NM TO RW04 (SEE FORM 8260-10)	RW04 (MAP) (FO)	036.15 / 1.40													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW ONPIC, RT, 036.01 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>036.10</u> FAF: <u>UBGUY</u> DIST FAF TO MAP: <u>4.90</u> THLD: <u>4.90</u> 4. MIN. ALT: ONPIC 4000, UBGUY 2800, ZOBEM/1.40 NM TO RW04 1680* 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>UBGUY 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW04 4300</u>															
				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	1389	3/4	200	1389	3/4	200	1389	3/4	200	1389	3/4	200			
LNAV/VNAV DA	1442	3/4	253	1442	3/4	253	1442	3/4	253	1442	3/4	253			
LNAV MDA	1540	1	351	1540	1	351	1540	1	351	1540	1	351			
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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPHRATA ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)															
CITY AND STATE MOSES LAKE, WA		ELEVATION: 1189 THRE: 1189 AIRPORT NAME: GRANT CO INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 4, AMDT 1A 26 JULY 2012				SUP: AMDT: 1 DATED 03/10/2011		<div style="text-align: right; font-style: italic;"> QUALITY CHECKED </div>			

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
RW04 (MAP)	1389 MSL	036.15	
1389 MSL	YELUG (FB)		
YELUG	WIPES (FO)	359.95 / 8.73	4000

NOTES, (CONT.):

ALL DA 36 FEET AND INCREASE ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY, AND LNAV CAT C AND D VISIBILITY 1/8 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MWH VOR/DME AIRWAY RADIALS 130 CW 253.

QUALITY
1
CHECKED

CITY AND STATE
MOSES LAKE, WA

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

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 4, AMDT 1A
26 JULY 2012

SUP:
AMDT: 1
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**

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KMWH
RW04
0
Y
0
W04A
471148.2345N
1191958.5325W
+03417
471245.9800N
1191801.1000W
00050.0
F
03.00
106.75
0000
40.0
35.0

CRC REMAINDER

C29706E4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K1
+03623
+03623

QUALITY
1
CHECKED

CITY AND STATE

MOSES LAKE, WA

ELEVATION: 1189

THRE: 1189

AIRPORT NAME:

GRANT CO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:

RNAV (GPS) Y RWY 4, AMDT 1A

26 JULY 2012

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[illegible]

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEARNRT	EDSEW	K10	C	L	N47080357W119474135			E0159	NAR		EDSEW		
SUSAEARNRT	ONPIC	K10	W		N47051427W119331584			E0158	NAR		ONPIC		
SUSAEARNRT	RUBEL	K10	C	L	N47015248W119381596			E0158	NAR		RUBEL		
SUSAEARNRT	UBGUY	K10	W		N47085596W119254796			E0158	NAR		UBGUY		
SUSAEARNRT	WIPES	K10	C	L	N47244655W119062942			E0158	NAR		WIPES		
SUSAEARNRT	YELUG	K10	W		N47162868W119102702			E0158	NAR		YELUG		
SUSAEARNRT	ZOBEM	K10	W		N47105907W119213837			E0158	NAR		ZOBEM		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMWHK1FR04-Y	AEDSEW	010EDSEWK1EA0E	A	IF					18000		A	JS
SUSAP	KMWHK1FR04-Y	AEDSEW	020ONPICK1EA0EE	B	010TF		08790103	+	04000			A	JS
SUSAP	KMWHK1FR04-Y	AMWH	010MWH K1D 0V		IF					18000		A	JS
SUSAP	KMWHK1FR04-Y	AMWH	020ONPICK1EA0EY		020TF		21480122	+	04000			A	JS
SUSAP	KMWHK1FR04-Y	AMWH	030ONPICK1EA0EE	AR	HF		03600040	+	04000			A	JS
SUSAP	KMWHK1FR04-Y	ARUBEL	010RUBELK1EA0E	A	IF					18000		A	JS
SUSAP	KMWHK1FR04-Y	ARUBEL	020ONPICK1EA0EE	B	010TF		02740048	+	04000			A	JS
SUSAP	KMWHK1FR04-Y	R	010ONPICK1EA0E	I	IF			+	04000	18000		A	JS
SUSAP	KMWHK1FR04-Y	R	020UBGUYK1EA1E	F	051TF		03600063	+	02800		RW04	K1PGA	JS
SUSAP	KMWHK1FR04-Y	R	020UBGUYK1EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KMWHK1FR04-Y	R	021ZOBEMK1EA0E	S	031TF		03610035	V	0168001684	-300		A	JS
SUSAP	KMWHK1FR04-Y	R	030RW04 K1PGOGY	M	031TF		03620014		01239	-300		A	JS
SUSAP	KMWHK1FR04-Y	R	040	0	M	CA	0362	+	01389			A	JS
SUSAP	KMWHK1FR04-Y	R	050YELUGK1EA0E		DF							A	JS
SUSAP	KMWHK1FR04-Y	R	060WIPESK1EA0EY		010TF		3600	+	04000			A	JS
SUSAP	KMWHK1FR04-Y	R	070WIPESK1EA0EE	R	HM		23960040	+	04000			A	JS

[illegible]

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[illegible]

SUP:	
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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
	EDSEW	EDSEW	010	IAF	IF		FB					
	EDSEW	ONPIC	020		TF		FB	1.0	087.9(105.9T)	010.3	AA 04000	
	MWH	MWH	010		IF		FB					
	MWH	ONPIC	020		TF		FO	2.0	214.8(232.8T)	012.2	AA 04000	
	MWH	ONPIC	030	IAF	HF	R	FO		036.0(054.0T)	004.0	AA 04000	
	RUBEL	RUBEL	010	IAF	IF		FB					
	RUBEL	ONPIC	020		TF		FB	1.0	027.4(045.4T)	004.8	AA 04000	
		ONPIC	010	FACF	IF		FB				AA 04000	
		UBGUY	020	FAF	TF		FB	0.5	036.0(054.0T)	006.3	AA 02800	
		ZOBEM	021	SDF	TF		FB	0.3	036.1(054.1T)	003.5	AA 01680	GS 01684
		RW04	030	MAP	TF		FO	0.3	036.2(054.2T)	001.4	AT 01239	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		036.2(054.2T)		AA 01389	
	YELUG	050		DF		FB					
	WIPES	060		TF		FO	1.0	360.0(018.0T)		AA 04000	
	WIPES	070		HM	R	FO		239.6(257.6T)	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
	EDSEW	N470803.57	W1194741.35	N4708.060	W11947.689
	ONPIC	N470514.27	W1193315.84	N4705.238	W11933.264
	RUBEL	N470152.48	W1193815.96	N4701.875	W11938.266
	UBGUY	N470855.96	W1192547.96	N4708.933	W11925.799
	WIPES	N472446.55	W1190629.42	N4724.776	W11906.490
	YELUG	N471628.68	W1191027.02	N4716.478	W11910.450
	ZOBEM	N471059.07	W1192138.37	N4710.985	W11921.640
	RW04	N471148.23	W1191958.53	N4711.804	W11919.976

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	01189	50

CITY AND STATE MOSES LAKE, WA	ELEVATION: 1189 THRE: 1189	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GRANT CO INTL	RNAV	RNAV (GPS) Y RWY 4, AMDT 1A	AMDT: 1
			26 JULY 2012	DATED: 03/10/2011