

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: RW34 CLIMB TO 13000 DIRECT PEKBE AND ON TRACK 255.00 TO QATQI AND ON TRACK 208.53 TO HANIM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 253.58 INBOUND. CHART FAS OBST: 3149 TREE 473333N/1140558W DISTANCE TO THLD FROM 357 HATH: 0.99 NM. WAAS CHANNEL # 86614 REFERENCE PATH ID: W34A CHART MISSOULA ASOS LTP HAE: 923.3 M											
HANIM		NALSE (FB)		116.45 / 15.96				7900													
ARLEE (IAF)		LAVBE (FB)		344.72 / 9.19				7200													
NALSE (IAF)		LAVBE (FB)		074.88 / 5.00				7200													
LAVBE (IF)		JAKBA (FB)		344.97 / 7.58				5800													
JAKBA (FAF)		OBTOW/2.50 NM TO RW34 (FB)		344.97 / 5.92																	
OBTOW/2.50 NM TO RW34 (SEE FORM 8260-10)		RW34 (MAP) (FO)		344.97 / 2.50																	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT LAVBE 3. FAC: 344.97 FAF: JAKBA DIST FAF TO MAP: 8.42 THLD: 8.42 4. MIN. ALT: LAVBE 7200, JAKBA 5800, OBTOW/2.50 NM TO RW34 3900* 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: 5800 GS ALT AT: JAKBA 5800 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW34 11100																		MAG VAR: 15E		EPOCH YEAR: 2005	
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A X													
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	3436	1 1/4	357	3436	1 1/4	357		NA			NA										
LNAV/VNAV DA	3436	1 1/4	357	3436	1 1/4	357		NA			NA										
LNAV MDA	3520	1	441	3520	1	441		NA			NA										
CIRCLING	3560	1	474	3560	1	474		NA			NA										
NOTES: CHART NOTE: BARO-VNAV NA. 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: 3086 THRE: 3079				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
RONAN, MT		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 34, AMDT 1				AMDT: ORIG-A									
		RONAN						18 OCTOBER 2012				DATED 04/05/2012									

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
RW34 (MAP)	3436 MSL	344.97	
3436 MSL	PEKBE (FB)		
PEKBE	QATQI (FB)	255.00/7.00	
QATQI	HANIM (FO)	208.53/14.34	13000

NOTES, (CONT.):

CHART NOTE: USE MISSOULA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA

CHART NOTE: CIRCLING NA E OF RWY 16-34

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARLEE ON V231 SOUTHBOUND

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HANIM ON V120 WESTBOUND

CITY AND STATE
RONAN, MT

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RNAV (GPS) RWY 34, AMDT 1
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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	7S0
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W34A
REFERENCE PATH IDENTIFIER (APPROACH ID)	473338.1385N
LTP/FTP LATITUDE	1140603.8390W
LTP/FTP LONGITUDE	+09233
LTP/FTP ELLIPSOIDAL HEIGHT	473507.1900N
FPAP LATITUDE	1140603.9100W
FPAP LONGITUDE	00040.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1288
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

82625D50

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09386
FPAP ORTHOMETRIC HEIGHT	+09386

CITY AND STATE

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 7S0 K1FR34	AARLEE	010	ARLEEK1EA0E	A	IF					18000		A	JS
SUSAP 7S0 K1FR34	AARLEE	020	LAVBEK1EA0EE	B	010TF		34470092	+	07200			A	JS
SUSAP 7S0 K1FR34	AHANIM	010	HANIMK1EA0E		IF					18000		A	JS
SUSAP 7S0 K1FR34	AHANIM	020	NALSEK1EA0E	A	020TF		11650160	+	07900			A	JS
SUSAP 7S0 K1FR34	AHANIM	030	LAVBEK1EA0EE	B	010TF		07490050	+	07200			A	JS
SUSAP 7S0 K1FR34	R	010	LAVBEK1EA0E	I	IF			+	07200	18000		A	JS
SUSAP 7S0 K1FR34	R	020	JAKBAK1EA1E	F	051TF		34500076	+	05800		RW34	K1PGA	JS
SUSAP 7S0 K1FR34	R	020	JAKBAK1EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP 7S0 K1FR34	R	021	OBTOWK1EA0E	S	031TF		34500059	V	0390003916		-300		A JS
SUSAP 7S0 K1FR34	R	030	RW34 K1PG0GY	M	031TF		34500025		03119		-300		A JS
SUSAP 7S0 K1FR34	R	040		0	M	CA	3450	+	03436				A JS
SUSAP 7S0 K1FR34	R	050	PEKBK1EA0E		DF								A JS
SUSAP 7S0 K1FR34	R	060	QATQIK1EA0E		TF		2550						A JS
SUSAP 7S0 K1FR34	R	070	HANIMK1EA0EY		010TF		2085	+	13000				A JS
SUSAP 7S0 K1FR34	R	080	HANIMK1EA0EE	R	HM		25360070	+	13000				A JS

[illegible][illegible]

CITY AND STATE RONAN, MT	ELEVATION: 3086	THRE: 3079	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 1	SUP:
	AIRPORT NAME: RONAN		RNAV	18 OCTOBER 2012	AMDT: ORIG-A
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	AIRPORT NAME: RONAN		RNAV	RNAV (GPS) RWY 34, AMDT 1	AMDT: ORIG-A
				18 OCTOBER 2012	DATED: 04/05/2012

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
	ARLEE	ARLEE	010	IAF	IF		FB					
	ARLEE	LAVBE	020		TF		FB	1.0	344.7(359.7T)	009.2	AA 07200	
	HANIM	HANIM	010		IF		FB					
	HANIM	NALSE	020	IAF	TF		FB	2.0	116.5(131.5T)	016.0	AA 07900	
	HANIM	LAVBE	030		TF		FB	1.0	074.9(089.9T)	005.0	AA 07200	
		LAVBE	010	FACF	IF		FB				AA 07200	
		JAKBA	020	FAF	TF		FB	0.5	345.0(360.0T)	007.6	AA 05800	
		OBTOW	021	SDF	TF		FB	0.3	345.0(360.0T)	005.9	AA 03900	GS 03916
		RW34	030	MAP	TF		FO	0.3	345.0(360.0T)	002.5	AT 03119	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		345.0(360.0T)		AA 03436	
	PEKBE	050		DF		FB					
	QATQI	060		TF		FB		255.0(270.0T)			
	HANIM	070		TF		FO	1.0	208.5(223.5T)		AA 13000	
	HANIM	080		HM	R	FO		253.6(268.6T)	007.0	AA 13000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARLEE	N470827.42	W1140559.11	N4708.457	W11405.985
	HANIM	N472813.27	W1143058.59	N4728.221	W11430.977
	JAKBA	N472513.42	W1140603.45	N4725.224	W11406.058
	LAVBE	N471738.65	W1140603.10	N4717.644	W11406.052
	NALSE	N471738.26	W1141323.83	N4717.638	W11413.397
	OBTOW	N473108.22	W1140603.72	N4731.137	W11406.062
	PEKBE	N473837.97	W1140604.07	N4738.633	W11406.068
	QATQI	N473837.50	W1141625.20	N4738.625	W11416.420
	RW34	N473338.14	W1140603.84	N4733.636	W11406.064

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	03079	40

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