US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HANIM	DMESR (FB)	012.49 / 23.36	7900
ANGIL (IAF)	EGOCY (FB)	150.65 / 9.24	6700
DMESR (IAF)	EGOCY (FB)	074.86 / 6.00	6700
EGOCY (IF)	FATMI (FB)	164.97 / 6.74	5600
FATMI (FAF)	GEDKE/4.00 NM TO RW16 (FB)	164.97 / 3.77	
GEDKE/4.00 NM TO RW16	RW16 (MAP) (FO)	164.97 / 4.00	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

CLIMB TO 13000 DIRECT IBBOR AND ON TRACK 254.72 TO HANIM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EGOCY
3. FAC: 164.97 FAF: FATMI DIST FAF TO MAP: 7.77 THLD: 7.77
4. MIN. ALT: EGOCY 6700, FATMI 5600, GEDKE/4.00 NM TO RW16 4400*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 5600 GS ALT AT: FATMI 5600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW16 11100

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 253.58 INBOUND.
CHART FAS OBST: 3169 TREE 473444N/1140557W
FAS OBST: 3438 AAO 473835N/1140543W
DISTANCE TO THLD FROM 357 HATH: 0.99 NM.
WAAS CHANNEL # 45814
REFERENCE PATH ID: W16A
CHART MISSOULA ASOS-3
LTP HAE: 925.3 M

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	3443	1 1/4	357	3443	1 1/4	357		NA			NA				
LNAV/VNAV DA	3443	1 1/4	357	3443	1 1/4	357		NA			NA				
LNAV MDA	3800	1	714	3800	1	714		NA			NA				
CIRCLING	3800	1	714	3800	1	714		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: USE MISSOULA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA
(SEE FORM 8260-10)

A

CITY AND STATE	ELEVATION: 3086 THRE: 3086 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
RONAN, MT	RONAN	RNAV	RNAV (GPS) RWY 16, AMDT 1 18 OCTOBER 2012	AMDT: ORIG-A DATED 04/05/2012

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW16 (MAP)	3443 MSL	164.97	
3443 MSL	IBBOR (FB)		
IBBOR	HANIM (FO)	254.72 / 16.90	13000

NOTES, (CONT.):
CHART NOTE: CIRCLING NA E OF RWY 16-34
CHART NOTE: BARO-VNAV NA
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ANGIL ON V231 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HANIM ON V120 WESTBOUND

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	7S0
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	473425.5090N
LTP/FTP LONGITUDE	1140603.8810W
LTP/FTP ELLIPSOIDAL HEIGHT	+09253
FPAP LATITUDE	473256.4600N
FPAP LONGITUDE	1140603.8100W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2EA35777

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09406
FPAP ORTHOMETRIC HEIGHT	+09406

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 PACKET - 424-18 - RNAV (GPS)

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANGIL K10    C   L N47575240W114092849                      E0143     NAR           ANGIL
        SUSAEAENRT   DMESR K10    W     N47485496W114145870                      E0143     NAR           DMESR
        SUSAEAENRT   EGOCY K10    W     N47485549W114060455                      E0142     NAR           EGOCY
        SUSAEAENRT   FATMI K10    W     N47421132W114060424                      E0142     NAR           FATMI
        SUSAEAENRT   GEDKE K10    W     N47382537W114060407                      E0142     NAR           GEDKE
        SUSAEAENRT   HANIM K10    C   L N47281327W114305859                      E0143     NAR           HANIM
        SUSAEAENRT   IBBOR K10    W     N47282086W114060360                      E0141     NAR           IBBOR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 7S0 K1A7S0     0     048YHN47340182W114060386E015003086         1800018000C    MNAR    RONAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 7S0 K1FR16   AANGIL 010ANGILK1EA0E  A    IF                                                18000                 A JS
        SUSAP 7S0 K1FR16   AANGIL 020EGOCYK1EA0EE B 010TF                     15070092    + 06700                             A JS
        SUSAP 7S0 K1FR16   AHANIM 010HANIMK1EA0E       IF                                                18000                 A JS
        SUSAP 7S0 K1FR16   AHANIM 020DMESRK1EA0E  A 020TF                     01250234    + 07900                             A JS
        SUSAP 7S0 K1FR16   AHANIM 030EGOCYK1EA0EE B 010TF                     07490060    + 06700                             A JS
        SUSAP 7S0 K1FR16   R      010EGOCYK1EA0E  I    IF                                + 06700     18000                   A JS
        SUSAP 7S0 K1FR16   R      020FATMIK1EA1E  F 051TF                     16500067    + 05600                  RW16  K1PGA JS
        SUSAP 7S0 K1FR16   R      020FATMIK1EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP 7S0 K1FR16   R      021GEDKEK1EA0E S  031TF                     16500038    V 0440004400        -300           A JS
        SUSAP 7S0 K1FR16   R      030RW16 K1PG0GY M 031TF                     16500040      03126             -300           A JS
        SUSAP 7S0 K1FR16   R      040         0  M     CA                     1650        + 03443                             A JS
        SUSAP 7S0 K1FR16   R      050IBBORK1EA0E       DF                                                                     A JS
        SUSAP 7S0 K1FR16   R      060HANIMK1EA0EY   010TF                     2547        + 13000                             A JS
        SUSAP 7S0 K1FR16   R      070HANIMK1EA0EE  R   HM                     25360070    + 13000                             A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 7S0 K1GRW16    0048001650 N47342551W114060388-0100    +0925303086000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 7S0 K1PR16   RW16 001 0000W16A0N4734255090W11406038810+092530300N4732564600W114060381001067512880004 00F4005002EA35777
        SUSAP 7S0 K1PR16   RW16 002E      +09406+09406LPV       45814
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CITY AND STATE	ELEVATION: 3086 THRE: 3086	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RONAN, MT	AIRPORT NAME: RONAN	RNAV	RNAV (GPS) RWY 16, AMDT 1 18 OCTOBER 2012	AMDT: ORIG-A DATED: 04/05/2012

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                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 7S0 K1SRW16 K1PG                0   18018011125                                                                          M
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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
	ANGIL	ANGIL	010	IAF	IF		FB					
	ANGIL	EGOCY	020		TF		FB	1.0	150.7(165.7T)	009.2	AA 06700	
	HANIM	HANIM	010		IF		FB					
	HANIM	DMESR	020	IAF	TF		FB	2.0	012.5(027.5T)	023.4	AA 07900	
	HANIM	EGOCY	030		TF		FB	1.0	074.9(089.9T)	006.0	AA 06700	
		EGOCY	010	FACF	IF		FB				AA 06700	
		FATMI	020	FAF	TF		FB	0.5	165.0(180.0T)	006.7	AA 05600	
		GEDKE	021	SDF	TF		FB	0.3	165.0(180.0T)	003.8	AA 04400 GS 04400	
		RW16	030	MAP	TF		FO	0.3	165.0(180.0T)	004.0	AT 03126	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		165.0(180.0T)		AA 03443	
	IBBOR	050		DF		FB					
	HANIM	060		TF		FO	1.0	254.7(269.7T)		AA 13000	
	HANIM	070		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
	ANGIL	N475752.40	W1140928.49	N4757.873	W11409.475
	DMESR	N474854.96	W1141458.70	N4748.916	W11414.978
	EGOCY	N474855.49	W1140604.55	N4748.925	W11406.076
	FATMI	N474211.32	W1140604.24	N4742.189	W11406.071
	GEDKE	N473825.37	W1140604.07	N4738.423	W11406.068
	HANIM	N472813.27	W1143058.59	N4728.221	W11430.977
	IBBOR	N472820.86	W1140603.60	N4728.348	W11406.060
	RW16	N473425.51	W1140603.88	N4734.425	W11406.065

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	03086	40

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