

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									
LIVVA		FRODO (FB)		107.09 / 16.36			4000		LPV: DA LNAV/VNAV: DA LNAV: RW15 CLIMB TO 3700 DIRECT TERNR AND HOLD.							
CHANS		FRODO (FB)		028.00 / 16.43			3600									
TULLA		OCADE (FB)		254.48 / 24.43			3200		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.09 INBOUND. CHART FAS OBST: 1679 TREE 443137N/0985818W FAS OBST: 1719 AAO 443449N/0985929W DISTANCE TO THLD FROM 314 HATH: 0.86 NM. WAAS CHANNEL # 50322 REFERENCE PATH ID: W15A LTP HAE: 451.1 M							
HON VORTAC		OCADE (FB)		297.75 / 30.47			3200									
FRODO (IAF)		CLANN (NOPT) (FB)		060.86 / 7.00			3200									
OCADE (IAF)		CLANN (NOPT) (FB)		241.08 / 7.00			3200									
CLANN (IF/IAF)		PALLS (FB)		150.97 / 4.98			3200									
(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 NW CLANN, LT, 150.97 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>151.00</u> FAF: <u>PALLS</u> DIST FAF TO MAP: <u>5.02</u> THLD: <u>5.02</u> 4. MIN. ALT: CLANN 3200, PALLS 3200 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>3200</u> GS ALT AT: <u>PALLS 3200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>39.7</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW15 3600</u>																
MAG VAR: 7E EPOCH YEAR: 1995																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A <input type="checkbox"/> X <input type="checkbox"/>						
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	1874	1	314	1874	1	314		NA			NA					
LNAV/VNAV DA	1955	1 3/8	395	1955	1 3/8	395		NA			NA					
LNAV MDA	2100	1	540	2100	1	540		NA			NA					
CIRCLING	2180	1	610	2220	1	650		NA			NA					
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: USE HURON ALTIMETER SETTING; WHEN NOT RECEIVED, USE MITCHELL ALTIMETER SETTING AND INCREASE ALL DA 62 FEET AND ALL MDA 80 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 1570 THRE: 1560				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
MILLER, SD		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 15, AMDT 1				AMDT: ORIG				
		MILLER MUNI						27 JUNE 2013				DATED 08/25/2011				



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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PALLS (FAF)	RW15 (MAP) (FO)	151.00 / 5.02	
RW15 (MAP)	1874 MSL	151.00	
1874 MSL	TERNR (FO)		3700

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIVVA ON V263 SOUTHWEST BOUND.

QUALITY
9
CHECKED

CITY AND STATE
MILLER, SD

ELEVATION: 1570 THRE: 1560
AIRPORT NAME:
MILLER MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, AMDT 1
27 JUNE 2013

SUP:
AMDT: ORIG
DATED: 08/25/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMKA
RUNWAY RW15
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W15A
LTP/FTP LATITUDE 443147.3460N
LTP/FTP LONGITUDE 0985738.3820W
LTP/FTP ELLIPSOIDAL HEIGHT +04511
FPAP LATITUDE 443024.7200N
FPAP LONGITUDE 0985651.8000W
THRESHOLD CROSSING HEIGHT (TCH) 00039.7
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1656
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

BAAC6647

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04755
FPAP ORTHOMETRIC HEIGHT +04755

QUALITY
9
CHECKED

CITY AND STATE

MILLER, SD

ELEVATION: 1570

THRE: 1560

AIRPORT NAME:

MILLER MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, AMDT 1

27 JUNE 2013

SUP:

AMDT:

ORIG

DATED:

08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR 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.

ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	HON	K3011760VTL	N44262430W098183989	N44262430W098183989E0100013001	NARHURON								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	CHANS K30	R	L	N44245904W099251029	E0054	NAR	CHANS						
SUSAEENRT	CLANN K30	W		N44410363W099025302	E0052	NAR	CLANN						
SUSAEENRT	FRDO K30	W		N44382574W099115832	E0053	NAR	FRDO						
SUSAEENRT	LIVVA K30	C	L	N44450828W099325328	E0055	NAR	LIVVA						
SUSAEENRT	OCAD K30	W		N44434080W098534690	E0050	NAR	OCAD						
SUSAEENRT	PALLS K30	W		N44362688W099001625	E0051	NAR	PALLS						
SUSAEENRT	TERNR K30	W		N44212331W098514752	E0050	NAR	TERNR						
SUSAEENRT	TULLA K30	R	L	N44472311W098195333	E0046	NAR	TULLA						

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMKAK3AMKA	0	036YHN44313086W098572908E007001570	1800018000C	MNAR	MILLER MUNI							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMKAK3FR15	ACHANS	010CHANSK3EA0E	IF						18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	020FRODOK3EA0E	A 020TF		02800164	+	03600				A JS	
SUSAP	KMKAK3FR15	ACHANS	030CLANNK3EA0EE	B 010TF		06090070	+	03200				A JS	
SUSAP	KMKAK3FR15	ACHANS	030CLANNK3EA0EE	B 010TF		15100040	+	03200		18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	010CLANNK3EA0EE	AL HF						18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	010HON K3D 0V	IF						18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	020OCADK3EA0E	A 020TF		29780305	+	03200				A JS	
SUSAP	KMKAK3FR15	ACHANS	030CLANNK3EA0EE	B 010TF		24110070	+	03200				A JS	
SUSAP	KMKAK3FR15	ACHANS	010LIVVAK3EA0E	IF						18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	020FRODOK3EA0E	A 020TF		10710164	+	04000				A JS	
SUSAP	KMKAK3FR15	ACHANS	030CLANNK3EA0EE	B 010TF		06090070	+	03200				A JS	
SUSAP	KMKAK3FR15	ACHANS	010TULLAK3EA0E	IF						18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	020OCADK3EA0E	A 020TF		25450244	+	03200				A JS	
SUSAP	KMKAK3FR15	ACHANS	030CLANNK3EA0EE	B 010TF		24110070	+	03200				A JS	
SUSAP	KMKAK3FR15	ACHANS	010CLANNK3EA0E	I IF						18000		A JS	
SUSAP	KMKAK3FR15	ACHANS	020PALLSK3EA1E	F 051TF		15100050	+	03200			RW15 K3PGA	JS	
SUSAP	KMKAK3FR15	ACHANS	020PALLSK3EA2WALPV	ALNAV/VNAV ALNAV								JS	
SUSAP	KMKAK3FR15	ACHANS	030RW15 K3PGOGY M	031TF		15100050		01600		-300		A JS	
SUSAP	KMKAK3FR15	ACHANS	040 0 M CA			1510	+	01874				A JS	
SUSAP	KMKAK3FR15	ACHANS	050TERNRK3EA0EY	DF			+	03700				A JS	

QUALITY
9
CHECKED

CITY AND STATE MILLER, SD	ELEVATION: 1570 THRE: 1560	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 27 JUNE 2013	SUP:
	AIRPORT NAME: MILLER MUNI			AMDT: ORIG
				DATED: 08/25/2011

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.

[illegible][illegible][illegible]

QUALITY
9
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR 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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CHANS	CHANS	010		IF		FB					
	CHANS	FRODO	020	IAF	TF		FB	2.0	028.0(035.0T)	016.4	AA 03600	
	CHANS	CLANN	030		TF		FB	1.0	060.9(067.9T)	007.0	AA 03200	
	CLANN	CLANN	010	IAF	HF	L	FO		151.0(158.0T)	004.0	AA 03200	
	HON	HON	010		IF		FB					
	HON	OCADE	020	IAF	TF		FB	2.0	297.8(304.8T)	030.5	AA 03200	
	HON	CLANN	030		TF		FB	1.0	241.1(248.1T)	007.0	AA 03200	
	LIVVA	LIVVA	010		IF		FB					
	LIVVA	FRODO	020	IAF	TF		FB	2.0	107.1(114.1T)	016.4	AA 04000	
	LIVVA	CLANN	030		TF		FB	1.0	060.9(067.9T)	007.0	AA 03200	
	TULLA	TULLA	010		IF		FB					
	TULLA	OCADE	020	IAF	TF		FB	2.0	254.5(261.5T)	024.4	AA 03200	
	TULLA	CLANN	030		TF		FB	1.0	241.1(248.1T)	007.0	AA 03200	
		CLANN	010	FACF	IF		FB				AA 03200	
		PALLS	020	FAF	TF		FB	0.5	151.0(158.0T)	005.0	AA 03200	
		RW15	030	MAP	TF		FO	0.3	151.0(158.0T)	005.0	AT 01600	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		151.0(158.0T)		AA 01874	
	TERNR	050		DF		FO				AA 03700	
	TERNR	060		HM	R	FO		331.1(338.1T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HON	N442624.30	W0981839.89	N4426.405	W09818.665
	CHANS	N442459.04	W0992510.29	N4424.984	W09925.172
	CLANN	N444103.63	W0990253.02	N4441.061	W09902.884
	FRODO	N443825.74	W0991158.32	N4438.429	W09911.972
	LIVVA	N444508.28	W0993253.28	N4445.138	W09932.888
	OCADE	N444340.80	W0985346.90	N4443.680	W09853.782
	PALLS	N443626.88	W0990016.25	N4436.448	W09900.271
	TERNR	N442123.31	W0985147.52	N4421.389	W09851.792
	TULLA	N444723.11	W0981953.33	N4447.385	W09819.889
	RW15	N443147.35	W0985738.38	N4431.789	W09857.640

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	01560	40

QUALITY
CHECKED

CITY AND STATE MILLER, SD	ELEVATION: 1570	THRE: 1560	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 27 JUNE 2013	SUP:
	AIRPORT NAME: MILLER MUNI				AMDT: ORIG
					DATED: 08/25/2011