

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> MILLER MUNI	<u>AIRPORT ID</u> KMKA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> MILLER	<u>STATE</u> SD
<u>AIRPORT ELEVATION</u> 1570	<u>TDZE</u> 1569	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 02/05/2015	<u>MAG VAR</u> 7E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
LIVVA		FRODO		TF	FB	1.00	107.09	16.36	4000
CHANS		FRODO		TF	FB	1.00	028.00	16.43	3600
TULLA		OCADE		TF	FB	1.00	254.48	24.43	3200
HON DME		OCADE		TF	FB	1.00	297.75	30.47	3200
FRODO	IAF	CLANN	NOPT	TF	FB	1.00	060.86	7.00	3200
OCADE	IAF	CLANN	NOPT	TF	FB	1.00	241.08	7.00	3200
CLANN	IF/IAF	PALLS		TF	FB	1.00	150.97	4.98	3200
PALLS	FAF	RW15	MAP	TF	FO	0.30	151.00	5.02	
RW15	MAP	1883 MSL		CA			151.00		
1883 MSL		TERNR		DF	FO	1.00			3700

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3700 DIRECT TERNR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW CLANN, LT, 150.97 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 151.00

FAF: PALLS

DIST FAF TO MAP: 5.02

DIST FAF TO THLD: 5.02

4. MIN ALT: CLANN 3200, PALLS 3200

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

314 HAT: 0.89

GS ANT:

6. MIN GP INCPT: 3200

GP ALT AT FAF : PALLS 3200

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 39.7

8. MSA FROM: RW15 3600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIVVA ON V263 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CHANS ON V26 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HON DME ON T285 NORTHEAST BOUND.
CHART NOTE: USE HURON ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART HURON ASOS.
HOLD SE, RT, 331.09 INBOUND.
FAS OBST: 1719 AAO 443449N/0985929W.
WAAS CHANNEL # 50322
REFERENCE PATH ID: W15A
LTP HAE: 451.1 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1883	1	314	1883	1	314		NA			NA				
LNAV/VNAV DA	1964	1 3/8	395	1964	1 3/8	395		NA			NA				
LNAV MDA	2100	1	531	2100	1	531		NA			NA				
CIRCLING	2180	1	610	2220	1	650		NA			NA				



CHANGES - REASONS

1. ADDED PBN REQUIREMENTS NOTE: RNP APCH, REMOVED CHART NOTE: DME/DME RNP-0.3 NA. - PBN REQUIREMENTS NOTATION CHANGED IAW FAAO 8260.19H.
2. ADDED PROCEDURE NA PLANVIEW NOTES FOR ARRIVALS AT CHANS ON V26 WESTBOUND AND HON DME ON T285 NORTHEAST BOUND. - TURNS EXCEED 90 DEGREES.
3. ALL CHANGES FROM P-NOTAM FOR AMDT 1A INCORPORATED INTO FORMS.
4. REMOVED BACKUP ALTIMETER NOTES FROM 8260-3 - ADDED TO 8260-9 PART C: GENERAL REMARKS FOR CONTINGENCY PURPOSES.
5. CHANGED TERMINAL FEEDER ROUTE FROM HON VORTAC TO HON DME ONLY - HON VOR DECOMMISSION.
6. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).
7. ADDED TO ADDITIONAL FLIGHT DATA: CHART HURON ASOS - IAW .19H PRIMARY REMOTE ALTIMETER.
8. REMOVED CHART FAS OBST: 1679 TREE 443137N/0985818W - ONLY NPA FINAL OBSTACLE LISTED AS FAS OBSTRUCTION.

COORDINATED WITH:

A4A☐

ALPA☒

AOPA☒

APA☐

HAI☐

NBAA☒

OTHER: ZMP, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

JASON KRETSCHMER (DALLIN STRICKLAND)

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A421

OFFICE

AJV-A420

DATE

02/10/2020

DATE

Digitally signed by

ALLAN WILL

Sep 23, 2020

Digitally signed by

ALLAN WILL

Sep 23, 2020

Digitally signed by

ALLAN WILL

Sep 23, 2020

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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

