

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>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
MORRIS MUNI - CHARLIE SCHMIDT FLD	KMOX	RNAV (GPS) RWY 32	1C	MORRIS	MN	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1136	1131	RNAV (GPS) RWY 32	1B	08/16/2018	2E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		20 JUNE 2019	ROUTINE			

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 232/30 CW 052/30	NOPT	232/15 CW 052/15		3600
2. 232/15 CW 052/15		EXJUP	IF/IAF	3500
3. 052/30 CW 232/30		EXJUP	IAF	3600

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>
EXJUP	IF/IAF	WIVKA		TF	FB	1.00	322.13	8.00	3000
WIVKA	FAF	SISOE/3.00 NM TO RW32		TF	FB	0.30	322.05	2.74	
SISOE/3.00 NM TO RW32		RW32	MAP	TF	FO	0.30	322.05	3.00	
RW32	MAP	1381 MSL		CA			322.05		
1381 MSL		ZITOG		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ZITOG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. REMOVED CHART NOTE DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE RNP APCH - PER 8260.19H
2. ADDED PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - INCORPORATES P NOTAM 8/0577
3. UPDATED LPV DA FROM 1378 TO 1381, LNAV/VNAV DA FROM 1528 TO 1535 LNAV HAT ALL CATS FROM 416 TO 409. - CHANGING THRESHOLD ELEVATION TO TOUCHDOWN ZONE ELEVATION INCORPORATES P NOTAM 4/0561.
4. CHANGED CHART NOTE FROM CIRCLING TO RWY 04,22 NA AT NIGHT TO CIRCLING NA TO RWYS 04 AND 22. - IAW UNPAVED RUNWAY SOP.
5. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (1F) OR ABOVE 47C (117F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C" - IAW 8260.19H, PARA 8-6-9S.
6. CHANGED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENSON ALTIMETER SETTING AND INCREASE ALL DA 59 FEET AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENSON ALTIMETER SETTING AND INCREASE LPV DA TO 1440 FEET, LNAV/VNAV DA TO 1594 FEET AND ALL MDA 60 FEET AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 SM." - PER VIS CHECK TOOL.
7. ADDED "MAX 6000" ON LINE 2 - PER .19H PARA 8-6-7B (2).
8. ADDED "20:1 IS CLEAR" ON LINE 7 - PER .19H PARA 8-6-7G (3).
9. CRC REMAINDER CHANGED FROM "A6E18DFC" TO "7CA1EE84" - CHANGED TO TDZE.
10. LTP/FTP LATITUDE CHANGED FROM 453336.4935N TO 453336.5300N - CHANGED TO TDZE.
11. LTP/FTP LONGITUDE CHANED FROM 0955741.2340W TO 0955741.2520W - CHANGED TO TDZE.
12. LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +03163 TO +03162 - CHANGED TO TDZE.
13. LTP ORTHOMETRIC HEIGHT CHANGED FROM +03425 TO +03424 - CHANGED TO TDZE.
14. FPAP ORTHOMETRIC HEIGHT CHANGED FROM +03425 TO +03424 - CHANGED TO TDZE.
15. CHANGED ADDITIONAL FLIGHT DATA CHART VDP AT 1.15 NM TO RW32 TO CHART VDP AT 1.17 NM TO RW32 - VGSI TCH CHANGE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

CASIMIR L TABAKA

Apr 24, 2019

OFFICE

FICO

DATE

4/19/19

DEVELOPED BY

ROBERT G HAMILTON (JOSHUA DUGAN)

Digitally signed by

CASIMIR L TABAKA

Apr 24, 2019

OFFICE

AJV-A422

DATE

01/07/2019

APPROVED BY

JULIE MORGAN

Digitally signed by

CASIMIR L TABAKA

Apr 24, 2019

OFFICE

AJV-A42

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMOX
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	453336.5300N
LTP/FTP LONGITUDE	0955741.2520W
LTP/FTP ELLIPSOIDAL HEIGHT	+03162
FPAP LATITUDE	453448.5465N
FPAP LONGITUDE	0955855.8160W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7CA1EE84

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03424
FPAP ORTHOMETRIC HEIGHT	+03424

