

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 ID</u> KBFM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> MOBILE	<u>STATE</u> AL		
<u>AIRPORT ELEVATION</u> 26	<u>TDZE</u> 26	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 091/30 CW 271/30	NOPT	WORIR	IAF	2100
2. 271/30 CW 091/30		271/10 CW 091/10		3100
3. 271/10 CW 091/10		WORIR	IAF	2100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WORIR	IF/IAF	ZERDA		TF	FB	1.00	179.31	7.21	1800
ZERDA	FAF	SOYTO/2.97 NM TO RW18		TF	FB	0.30	180.97	2.45	
SOYTO/2.97 NM TO RW18		RW18	MAP	TF	FO	0.30	180.97	2.97	
RW18	MAP	276 MSL		CA			180.97		
276 MSL		POCIP		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT POCIP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
20
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N WORIR, RT, 179.31 INBOUND, 2100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 180.97FAF: ZERDADIST FAF TO MAP: 5.42DIST FAF TO THLD: 5.42

4. MIN ALT: WORIR 2100, ZERDA 1800, SOYTO/2.97 NM TO RW18 1020

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.63GS ANT:

6. MIN GP INCPT: 1800GP ALT AT PFAF : ZERDA 1800OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 000.97 INBOUND.
CHART FAS OBST: 179 TOWER (01-063181) 304020N/0880336W.
239 AAO 304146N/0880448W.
CHART VDP AT 1.10 NM TO RW18.
WAAS CHANNEL # 97611
REFERENCE PATH ID: W18A
LTP HAE: -20.7 M

MINIMUMS:

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

ALTERNATE: NA

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STANDARD - CAT D 1100-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	276	1	250	276	1	250	276	1	250	276	1	250			
LNAV/VNAV DA	419	1 1/8	393	419	1 1/8	393	419	1 1/8	393	419	1 1/8	393			
LNAV MDA	440	1	414	440	1	414	440	1 1/8	414	440	1 1/8	414			
CIRCLING	680	1	654	680	1	654	680	1 3/4	654	1100	3	1074			



CHANGES - REASONS

1. TAA: UPDATED STEPDOWN DISTANCE FOR SECTOR 271 CW 091 FROM 15 NM TO 10 NM - FPT/ATC REQUEST.
2. TERMINAL ROUTES: ZERDA TO SOYTO DISTANCE UPDATED FROM 2.42 TO 2.45 - FIX'S MOVED DUE TO NEW LTP SURVEY DATA.
3. TERMINAL ROUTES/PROFILE LINE 4: UPDATED STD FIX FROM "SOYTO/3.00 NM TO RWY 18" TO "SOYTO/2.97 NM TO RWY 18" - FIX MOVED DUE TO NEW LTP SURVEY DATA.
4. TERMINAL ROUTES: UPDATED CA LEG ALT FROM 275 TO 276 - UPDATED EVALUATION/LPV DA.
5. PROFILE LINE 2: ADDED "MAX 6000" TO HOLDING PATTERN - UPDATED CHARTING CRITERIA.
6. PROFILE LINE 5: ADDED "250 HAT: 0.63" - UPDATED EVALUATION WITH NEW FIX LOCATIONS/CHARTING CRITERIA.
7. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO PENETRATIONS EXIST.
8. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" AND DELETED "DME/DME RNP-0.3 NA" FROM NOTES - UPDATED CHARTING CRITERIA.
9. NOTES: UPDATED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - UPDATED CHARTING CRITERIA.
10. NOTES: UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 13C (56F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2C OR ABOVE 54C" - UPDATED CHARTING CRITERIA.
11. NOTES: DELETED CHART NOTES: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE RGNL ALTIMETER SETTING AND INCREASE ALL DA 50 FT AND MDA 60 FT AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE" AND "BARO VNAV AND VDP NA WHEN USING MOBILE RGNL ALTIMETER SETTING" - UPDATED AND MOVED TO BACK OF 8260-9 GENERAL REMARKS; FPT APPROVED.
12. ADDITIONAL FLIGHT DATA: DELETED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
13. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST: 179 TOWER FROM "304006N/0880335W" TO "(01-063181) 304020N/0880336W - UPDATED OBST EVALUATION.
14. ADDITIONAL FLIGHT DATA: ADDED "239 AAO 304146N/0880448W" - UPDATED OBST EVALUATION.
15. ADDITIONAL FLIGHT DATA: UPDATED VDP DISTANCE FROM "1.14" TO "1.10"
16. UPDATED LTP HAE: FROM -20.8 TO -20.7 - UPDATED RUNWAY SURVEY DATA.
17. MINIMUMS: UPDATED LPV VISIBILITY ALL CATS UPDATED FROM 3/4 SM TO 1 SM - UPDATED EVALUATION/CRITERIA.
18. MINIMUMS: UPDATED LNAV/VNAV DA, VIS, HAT FROM "398, 1 1/4, 372" TO "419, 1 1/8, 393" - UPDATED OBST EVALUATION.
19. FAS DATA: UPDATE LTP LAT/LONG AND ELLIPSOIDAL HEIGHT FROM "303831.1790N 0880357.3010W AND -00208" TO "303831.1765N 0880357.3005W AND -00207" - UPDATED RUNWAY DATA AND EVALUATION.
20. FAS DATA: UPDATE FPAP LAT/LONG FROM "303701.8730N 0880357.2495W" TO "303701.8705N 0880357.2485W" - UPDATED EVALUATION.
21. FAS DATA: UPDATED CRC REMAINDER FROM "1B04C2AE" TO "CA31E0A5" - FAS DATA CHANGED.
22. DELETED ASTERISK FROM MIN ALT IN PROFILE LINE 4, VDP NOTE AND ASSOCIATED "" LNAV ONLY" NOTE IN ADDITIONAL FLIGHT DATA - UPDATED IAW 8260.19I, 1-1-5.F(12).

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** MOBILE APP CON, BFM ATCT, AIRPORT MANAGER, ATCT

FLIGHT CHECKED BY

EDWARD W MESA

Digitally signed by
JASON KRETSCHMER
Dec 09, 2022

OFFICE

FPO

DATE

12/07/2022

DEVELOPED BY

PATRICK COMBS

Digitally signed by
PATRICK W COMBS
Oct 30, 2022

OFFICE

AJV-A421

DATE

10/14/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Nov 21, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFM
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	303831.1765N
LTP/FTP LONGITUDE	0880357.3005W
LTP/FTP ELLIPSOIDAL HEIGHT	-00207
FPAP LATITUDE	303701.8705N
FPAP LONGITUDE	0880357.2485W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CA31E0A5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00077
FPAP ORTHOMETRIC HEIGHT	+00077

