

**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.

AIRPORT ID MHM/PAMH	PROCEDURE NAME RNAV (GPS) RWY 3	ORIGINAL/AMENDMENT 1	CITY MINCHUMINA	STATE AK
AIRPORT ELEVATION 682	TDZE 682	SUPERSEDED RNAV (GPS) RWY 3	DATED 12/02/2021	MAG VAR 14E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 2 OCTOBER 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2025
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SUCOD	IAF	BECAG	NOPT	TF	FB	1.00	053.27	10.63	3400
BECAG	IF/IAF	CALYA		TF	FB	1.00	030.74	6.00	3100
CALYA	FAF	JEVEV/3.18 NM TO RW03		TF	FB	0.30	030.78	4.33	
JEVEV/3.18 NM TO RW03		RW03	MAP	TF	FO	0.30	030.78	3.18	
RW03	MAP	932 MSL		CA			030.78		
932 MSL		FEGEL		DF	FO	1.00			4300

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4300 DIRECT FEGEL AND HOLD, CONTINUE CLIMB-IN-HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW BECAG, RT, 030.74 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 030.78 FAF: CALYA DIST FAF TO MAP: 7.51 DIST FAF TO THLD: 7.51
- MIN ALT: BECAG 3400, CALYA 3100, JEVEV/3.18 NM TO RW03 1720
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.70 GS ANT:
- MIN GP INCPT: 3100 GP ALT AT PFAF: CALYA 3100 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 35.0
- MSA FROM: RW03 4800



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 03-21.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 211.35 INBOUND.
 CHART FAS OBST: 989 TREE (02-052749) 635331N/1521911W.
 CHART VDP AT 1.66 NM TO RW03.
 WAAS CHANNEL # 77647
 REFERENCE PATH ID: W03A
 LTP HAE: 215.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
	<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>
LPV DA	932	1	250	932	1	250	932	1	250	932	1	250			
LNAV/VNAV DA	1150	1 3/8	468	1150	1 3/8	468	1150	1 3/8	468	1150	1 3/8	468			
LNAV MDA	1240	1	558	1240	1	558	1240	1 5/8	558	1240	1 5/8	558			
CIRCLING	1240	1	558	1240	1	558	1460	2 1/4	778	1460	2 1/2	778			



CHANGES - REASONS

1. MAGVAR UPDATED FROM "E 21/2005" TO "E 14/2025" - MAGVAR UPDATE.
2. TERMINAL ROUTE: UPDATED SUCOD TO BECAG COURSE/DISTANCE FROM "045.99 / 10.76" TO " 053.27 / 10.63" - MAGVAR UPDATE, FIX BECAG MOVED 865.91 FT SW.
3. TERMINAL ROUTES: UPDATED BECAG TO CALYA COURSE FROM "023.67" TO "30.74" - MAGVAR UPDATE.
4. TERMINAL ROUTES: REMOVED FINAL LEG CALYA TO HILPA AND ASSOCIATED DATA - REMOVED MAP HILPA.
5. TERMINAL ROUTES: ADDED FINAL LEG " CALYA TO JEVEV/3.18 TO RW03, COURSE 030.78, DISTANCE 4.33" - ADDED FINAL SDF.
6. TERMINAL ROUTES: ADDED FINAL LEG "JEVEV/3.18 NM TO RW03 TO RW03, MAP COURSE 030.78, DISTANCE 3.18" - ADDED FINAL SDF, MAP CHANGED FROM HILPA TO RW03.
7. TERMINAL ROUTES: REMOVED MISSED LEG HILPA TO FEGEL AND ASSOCIATED DATA - HILPA MAP REMOVED.
8. TERMINAL ROUTES: ADDED MISSED CA LEG "RW03 TO 932 MSL, COURSE 030.78" - ADDED CA LEG IAW 8260.58C 3-5-2.
9. TERMINAL ROUTES: ADDED MISSED DF LEG "932 MSL TO FEGEL, FO, ALTITUDE 4300" - ADDED DF LEG IAW 8260.58C 3-5-2, NEW OBSTACLE EVALUATION.
10. MAP: ADDED LPV: DA AND LNAV/VNAV: DA- IFP REQUEST.
11. MAP: UPDATED FROM "LNAV: HILPA" TO "LNAV: RW03" - HILPA MAP REMOVED.
12. MISSED APPROACH INSTRUCTION: UPDATED FROM "CLIMB TO 4200 DIRECT FEGEL AND HOLD" TO "CLIMB TO 4300 DIRECT FEGEL AND HOLD, CONTINUE CLIMB-IN-HOLD" - REQUIRES CIH, NEW OBSTACLE EVALUATION.
13. LINE 2: UPDATED FROM "HOLD SW BECAG, RT, 023.67 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 10000" TO "HOLD SW BECAG, RT, 030.74 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000" - MAGVAR AND HOLDING COURSE UPDATE.
14. LINE 3: UPDATE FROM "FAC: 023.80 FAF: CALYA DIST FAF TO MAP: 6.87 DIST FAF TO THLD: 7.37" TO "FAC: 030.78 FAF: CALYA DIST FAF TO MAP: 7.51 DIST FAF TO THLD: 7.51"- MAGVAR AND FINAL UPDATE.
15. LINE 4: UPDATE FROM "BECAG 3400, CALYA 3100" TO "BECAG 3400, CALYA 3100, JEVEV/3.18 NM TO RW03 1720" - ADDED FINAL SDF.
16. LINE 5: ADDED "250 HAT: 0.70" - ADDED LPV MINS.
17. LINE 6: ADDED "GP ALT AT PFAF: CALYA 3100" - ADDED LPV AND LNAV/VNAV.
18. LINE 7: ADDED " GP ANGLE: 3.00, 20:1: IS CLEAR, TCH: 35.0" - ADDED LPV AND LNAV/VNAV, 20: IS CLEAR.
19. LINE 8: UPDATED FROM "HILPA 4800" TO "RW03 4800" - IAW 8260.19J 8-6-7.
20. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" - IAW 8260.19J 8-6-8.
21. NOTES: REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - IAW 8260.19J 8-6-8.
22. NOTES: UPDATED FROM "CIRCLING NA WEST OF RWY 3-21" TO "CHART NOTE: CIRCLING NA NW OF RWY 03-21" - MAGVAR UPDATE.
23. ADDITIONAL FLIGHT DATA: UPDATED "HOLD NE, RT, 204.35 INBOUND" TO "HOLD NE, RT, 211.35 INBOUND" - MAGVAR UPDATE.
24. ADDITIONAL FLIGHT DATA: UPDATED "CHART FAS OBST: 994 TREES 634849N/1523036W" TO "CHART FAS OBST: 989 TREE (02-052749) 635331N/1521911W" - NEW EVALUATION.
25. ADDITIONAL FLIGHT DATA: REMOVED "CHART 1044 TREES 634826N/1523153W" - NEW EVALUATION.
26. ADDITIONAL FLIGHT DATA: UPDATED "CHART VDP AT 1.57 NM TO HILPA" TO "CHART VDP AT 1.66 NM TO RW03" - REMOVED MAP HILPA, NEW EVALUATION.
27. ADDITIONAL FLIGHT DATA: ADDED "WAAS CHANNEL # 77647", "REFERENCE PATH ID: W03A" AND "LTP HAE: 215.3 M" - ADDED LPV.
28. ADDITIONAL FLIGHT DATA: REMOVED "CALYA TO RW03: 3.06/35" - ADDED LPV.
29. MINIMUMS: UPDATED LNAV MDA / VIS / HAT FROM "1360 / CAT A/B 1, CAT C 2, CAT D 2 1/4 / 678" TO "1240 / CAT A/B 1, CAT C/D 1 5/8 / 558" - NEW EVALUATION.
30. MINIMUMS: UPDATED CIRCLING CAT A/B MDA / HAA FROM "1360 / 678" TO 1240 / 558" - NEW EVALUATION.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZAN ARTCC, APT MGR

FLIGHT CHECKED BY

ROBERT T PERKINS

Digitally signed by **OFFICE**

RAKE MCGRAW AJF

Jul 29, 2025

DATE

07/23/2025

DEVELOPED BY

DANIEL WESTON

Digitally signed by

DANIEL L WESTON

Sep 14, 2024

OFFICE

AJV-A422

DATE

07/25/2024

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Jul 29, 2025

OFFICE

AJV-A422

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAMH
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	635254.9675N
LTP/FTP LONGITUDE	1521839.6500W
LTP/FTP ELLIPSOIDAL HEIGHT	+02153
FPAP LATITUDE	635357.7930N
FPAP LONGITUDE	1521617.1860W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 593F60F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+02050
FPAP ORTHOMETRIC HEIGHT	+02050

