

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> MHM/PAMH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> MINCHUMINA	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 682	<u>TDZE</u> 682	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>DATED</u> 11/05/2020	<u>MAG VAR</u> 14E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2025
			<u>CANCEL/SUSPEND</u>	

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>
HEMRO	IAF	FEGEL	NOPT	TF	FB	1.00	246.96	18.67	4200
FEGEL	IF/IAF	ZUVOD		TF	FB	1.00	211.35	4.78	3600
ZUVOD		CURNO		TF	FB	1.00	211.32	1.30	3300
CURNO	FAF	BOBCE/5.24 NM TO RW21		TF	FB	0.30	211.17	2.83	
BOBCE/5.24 NM TO RW21		ADMEW/3.11 NM TO RW21		TF	FB	0.30	211.17	2.14	
ADMEW/3.11 NM TO RW21		RW21	MAP	TF	FO	0.30	211.17	3.11	
RW21	MAP	1040 MSL		CA			211.17		
1040 MSL		BECAG		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LP: RW21
LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT BECAG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE FEGEL, RT, 211.35 INBOUND, 4200 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 211.17 FAF: CURNO DIST FAF TO MAP: 8.07 DIST FAF TO THLD: 8.07
4. MIN ALT: FEGEL 4200, ZUVOD 3600, CURNO 3300, BOBCE/5.24 NM TO RW21 2400, ADMEW/3.11 NM TO RW21 1720
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:
6. MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
7. GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:
8. MSA FROM: RW21 4800



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 03-21.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HEMRO ON T222-V480 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 030.74 INBOUND.
CHART FAS OBST: 1006 TREE (02-052337) 635340N/1521854W, 788 TREE (02-081895) 635332N/1521739W.
CHART VDP AT 0.97 NM TO RW21.
WAAS CHANNEL # 81947
REFERENCE PATH ID: W21A
CHART AT OR ABOVE 5000 AT HEMRO.
CURNO TO RW21: 3.00/50.
CHART CIRCLING ICON.
LTP HAE: 217.4 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

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
LP MDA	1040	1	358	1040	1	358	1040	1	358	1040	1	358			
LNAV MDA	1260	1	578	1260	1	578	1260	1 5/8	578	1260	1 5/8	578			
CIRCLING	1260	1	578	1260	1	578	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 ROUTES: UPDATED HEMRO TO FEGEL COURSE FROM "239.96" TO "246.96" - MAG VAR UPDATE.
3. TERMINAL ROUTES: UPDATED FEGEL TO ZUVOD COURSE FROM "204.35" TO "211.35" - MAG VAR UPDATE.
4. TERMINAL ROUTES: UPDATED ZUVOD TO DEPPA COURSE / DISTANCE FROM "204.35 / 2.40" TO ZUVOD TO CURNO "211.32 / 1.30" - DEPPA REMOVED, NEW FAF LOCATION.
5. TERMINAL ROUTES: REMOVED "DEPPA TO YESUP/3.14 NM TO KISLE" AND "YESUP/3.14 NM TO KISLE TO KISLE" - DEPPA AND MAP KISLE REMOVED.
6. TERMINAL ROUTES: ADDED "CURNO TO BOBCE/5.24 NM TO RW21, TF, FB, RNP 0.30, COURSE 211.17, DISTANCE 2.83" - NEW FAF, SDF, MAP.
7. TERMINAL ROUTES: ADDED "BOBCE/5.24 NM TO RW21 TO ADMEW/3.11 NM TO RW 21, TF, FB, RNP 1.00, COURSE 211.17, DISTANCE 2.14" - NEW SDFS, MAP.
8. TERMINAL ROUTES: ADDED "ADMEW/3.11 NM TO RW 21 TO RW21, TF, FB, RNP 1.00, COURSE 211.17, DISTANCE 3.11" - NEW SDF, MAP.
9. TERMINAL ROUTES: ADDED CA LEG "RW21 TO 1040 MSL COURSE 211.17" - NEW MAP.
10. TERMINAL ROUTES: UPDATED MISSED DF LEG FROM "KISLE TO BECAG" TO "1040 MSL TO BECAG" - NEW MAP.
11. MAP: ADDED "LP: RW21" - IFP CHECKLIST.
12. PROFILE LINE 2: UPDATED FROM " HOLD NE FEGEL, RT, 204.35 INBOUND, 4200 FT. IN LIEU OF PT (IAF)" TO "HOLD NE FEGEL, RT, 211.35 INBOUND, 4200 FT. IN LIEU OF PT (IAF), MAX 6000" - MAG VAR UPDATE.
13. PROFILE LINE 3: UPDATED FROM "FAC: 204.17 FAF: DEPPA DIST FAF TO MAP: 6.48 DIST FAF TO THLD: 6.97" TO "FAC: 211.17 FAF: CURNO DIST FAF TO MAP: 8.07 DIST FAF TO THLD: 8.07" - NEW FAF AND MAP.
14. PROFILE LINE 4: UPDATED FROM "MIN ALT: FEGEL 4200, ZUVOD 3600, DEPPA 3300, YESUP/3.14 NM TO KISLE 2060" TO "FEGEL 4200, ZUVOD 3600, CURNO 3300, BOBCE/5.24 NM TO RW21 2400, ADMEW/3.11 NM TO RW21 1720" - NEW FAF, SDFS, AND MAP.
15. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - 20:1 IS CLEAR.
16. PROFILE LINE 8: UPDATED FROM "KISLE 4800" TO "RW21 4800" - IAW 8260.19J 8-6-7.
17. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" - IAW 8260.19J 8-6-8.
18. NOTES: REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - IAW 8260.19J 8-6-8.
19. NOTES: UPDATED FROM "CIRCLING NA WEST OF RWY 3-21" TO "CHART NOTE: CIRCLING NA NW OF RWY 03-21" - MAGVAR UPDATE.
20. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HEMRO ON T222-V480 NORTHEAST BOUND" - IAW 8-2-5 E.
21. ADDITIONAL FLIGHT DATA: UPDATED "HOLD SW, RT, 023.67 INBOUND" TO "HOLD SW, RT, 030.74 INBOUND" - MAGVAR UPDATE, BECAG MOVED 859 FT SW.
22. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "CHART FAS OBST: 1044 TREES 635542N/1521033W" TO "CHART FAS OBST: 1006 TREE (02-052337) 635340N/1521854W, 788 TREE (02-081895) 635332N/1521739W" - NEW EVALUATION.
23. ADDITIONAL FLIGHT DATA: REMOVED "CHART 1844 TREES 635825N/1520542W" - NEW EVALUATION.
24. ADDITIONAL; FLIGHT DATA: UPDATED "CHART VDP AT 1.52 NM TO KISLE" TO "CHART VDP AT 0.97 NM TO RW21" - NEW EVALUATION.
25. ADDITIONAL FLIGHT DATA: ADDED "WAAS CHANNEL # 81947, REFERENCE PATH ID: W21A, AND LTP HAE: 217.4 M" - ADDED LP MINS.
26. ADDITIONAL FLIGHT DATA: UPDATED "DEPPA TO RW21: 3.50/35" TO "CURNO TO RW21: 3.00/50" - NEW FAF, VDA/TCH PER CHECKLIST.
27. ADDITIONAL FLIGHT DATA: ADDED "CHART AT OR ABOVE 5000 AT HEMRO" - FPT REQUEST, T222 AT 5000.
28. MINIMUMS: UPDATED LNAV MDA / VIS / HAT FROM "ALL CATS 1460 / CAT A 1, CAT B 1 1/4, CAT C 2 1/2, CAT D 2 1/2 / ALL CATS 778" TO "ALL CATS 1260 / CAT A/B 1, CAT C/D 1 5/8 / ALL CATS 578" - NEW EVALUATION.
29. MINIMUMS: UPDATED CIRCLING CAT A/B MDA / VIS / HAA FROM "ALL CATS 1460 / CAT A 1, CAT B 1/14, CAT C/D 2 1/2 / ALL CATS 778" TO "CATS A/B 1260, CATS C/D 1460 / CATS A/B 1, CAT C 2 1/4, CAT D 2 1/2 / CATS A/B 578, CATS C/D 778" - NEW EVALUATION.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZAN ARTCC, APT MGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

DANIEL WESTON

Digitally signed by
DANIEL L WESTON
Sep 20, 2024

OFFICE

AJV-A422

DATE

07/26/2024

APPROVED BY

RAKE MCGRAW

OFFICE

AJV-A422

DATE

TITLE
MANAGER

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAMH
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	635324.1015N
LTP/FTP LONGITUDE	1521733.6185W
LTP/FTP ELLIPSOIDAL HEIGHT	+02174
FPAP LATITUDE	635221.2545N
FPAP LONGITUDE	1521955.9875W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	D4CEB48A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+02072
FPAP ORTHOMETRIC HEIGHT	+02072



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

AIRPORT ID
MHM/PAMH

PROCEDURE NAME
RNAV (GPS) RWY 21

AMDT NO.
1

CITY
MINCHUMINA

STATE
AK

AIRPORT ELEVATION
682

FACILITY
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
HEMRO

TO
FEGEL

RNP
1.00

DISTANCE
18.67

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	640548.00N/1514309.00W	1890	215	8	4B	1000				AT1310	4200
TERRAIN	640548.00N/1514318.00W	1689 (1700)								AS1500	3200

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INTERMEDIATE

FROM
FEGEL (IF/IAF)

TO
ZUVOD

RNP
1.00

DISTANCE
4.78

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	640136.00N/1520339.00W	2205	215	8	4B	500				AT895	3600
TERRAIN	640139.00N/1520342.00W	2004 (2000)								AS1500	3500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

QUALITY
10
CHECKED

INTERMEDIATE: STEPDOWN

FROM

ZUVOD

TO

CURNO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	1.30										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	640136.00N/1520339.00W	2205	215	8	4B	500					2800
TERRAIN	640000.00N/1520454.00W	1761 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP

FROM

CURNO

TO

BOBCE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30	2.83										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	635830.00N/1520530.00W	2031	215	8	4B	250				XL104	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM

BOBCE

TO

ADMEW

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.14										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	635709.00N/1520915.00W	1428	215	8	4B	250				DG42	1720

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP STEPDOWN

FROM

ADMEW

TO

RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.11		RW21		358						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-081895)	635331.70N/1521738.69W	788	20	3	1A	250					1040

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

CURNO

TO

BOBCE/5.24 NM TO RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.83										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	635830.00N/1520530.00W	2031	215	8	4B	250				XL104	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

BOBCE/5.24 NM TO RW21

TO

ADMEW/3.11 NM TO RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.14										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	635545.00N/1521021.00W	1188	215	8	4B	250				DG282	1720

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

ADMEW/3.11 NM TO RW21

TO

RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.11		RW21		578						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-052337)	635339.71N/1521854.38W	1006	20	3	1A	250				SA-4	1260

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

FEGEL

TO

P-6

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-6	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	641051.00N/1515703.00W	2910	215	8	4B	1000					4000
TERRAIN	641051.00N/1515703.00W	2709 (2700)								AS1500	4200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LP

FROM

RW21

TO

BECAG

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 940			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3400
AAO	634454.00N/1524127.00W	1795	215	8	4B	1000					2800
TERRAIN	634454.00N/1524127.00W	1594 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW21

TO

BECAG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1160
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3400
AAO	634454.00N/1524127.00W	1795	215	8	4B	1000					2800
TERRAIN	634454.00N/1524127.00W	1594 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (02-052557)	635146.55N/1521939.31W	1.30	578	798	20	3	1A	300		SI	1260
CATEGORY B											
TREE (02-052557)	635146.55N/1521939.31W	1.83	578	798	20	3	1A	300		SI	1260
CATEGORY C											
TREE (02-051419)	635243.88N/1521122.95W	2.88	778	1158	20	10	1B	300			1460
CATEGORY D											
TREE (02-051419)	635243.88N/1521122.95W	3.76	778	1158	20	10	1B	300			1460

CIRCLING REMARKS:

MSA

CENTER

RW21

RADIUS

25



SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	640630.00N/1525512.00W	295	21.2	3714	215	8	4B	1000			4800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, FAI FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
AWOS-3P	MHM/PAMH	24	MHM/PAMH	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:

NO SUITABLE BACKUP ALTIMETER SOURCE.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW21 - MIRL (PCL)			
RW03 - MIRL (PCL), PAPI-4L (PCL)			

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	679.8	50.0				

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
45 FOOT VEGETATION USED.
ORDER 8260.3 CHAPTER 2 APPLIED TO 1592 AAO 635715.00N/1520839.00W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	MAP	TO 1000FT POINT	7.12
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.75
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	225.17
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1800
DISTANCE FROM	MAP	TO 1500FT POINT	8.07
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	225.17
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1800

THRESHOLD COORDINATES (IF STR-IN)	635324.10N/1521733.62W
ARP COORDINATES	635309.50N/1521806.60W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 21 DISTANCE 0.34 NM
FAF COORDINATES	635904.95N/1520436.74W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DANIEL WESTON	AJV-A422	07/26/2024	AERONAUTICAL INFORMATION SPECIALIST

