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	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
1774	1774	RNAV (GPS) RWY 1	ORIG-A	10/08/2020	5E	2010

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV			ROUTINE	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 278/30 CW 097/30	NOPT	278/16 CW 097/16		4800
2. 278/16 CW 097/16		HEMED	IF/IAF	4400
3. 097/30 CW 188/30		CAGOD	IAF	4400
4. 188/30 CW 278/30		PLACA	IAF	4400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CAGOD	IAF	HEMED	NOPT	TF	FB	1.00	097.44	5.00	4400
PLACA	IAF	HEMED	NOPT	TF	FB	1.00	277.58	5.00	4400
HEMED	IF/IAF	FERUG		TF	FB	1.00	007.51	5.59	3600
FERUG	FAF	OCOBO/2.15 NM TO RW01		TF	FB	0.30	007.53	3.45	
OCOBO/2.15 NM TO RW01		RW01	MAP	TF	FO	0.30	007.53	2.15	
RW01	MAP	1974 MSL		CA			007.53		
1974 MSL		MODPY		DF	FO	1.00			4400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4400 DIRECT MODPY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD S HEMED, RT, 007.51 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 007.53 **FAF:** FERUG **DIST FAF TO MAP:** 5.61 **DIST FAF TO THLD:** 5.61
4. **MIN ALT:** HEMED 4400, FERUG 3600, OCOBO/2.15 NM TO RW01 2500
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.50 **GS ANT:**
6. **MIN GP INCPT:** 3600 **GP ALT AT PFAF:** FERUG 3600 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40.6
8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BVN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART NOTE: CIRCLING TO RWY 13, 31 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BVN ALTIMETER SETTING AND INCREASE LPV DA TO 2032 FEET; INCREASE LNAV/VNAV DA TO 2227 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET.

ADDITIONAL FLIGHT DATA:

CHART O'NEILL MOA
HOLD N, RT, 187.59 INBOUND.
CHART FAS OBST: 1957 TREE 420412N/0980224W.
CHART VDP AT 1.27 NM TO RW01.
WAAS CHANNEL # 72914
REFERENCE PATH ID: W01A
LTP HAE: 516 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	1974	3/4	200	1974	3/4	200		NA			NA				
LNAV/VNAV DA	2169	1 1/8	395	2169	1 1/8	395		NA			NA				
LNAV MDA	2220	1	446	2220	1	446		NA			NA				
CIRCLING	2260	1	486	2380	1	606		NA			NA				

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE

CHANGES - REASONS

1. TERMINAL ROUTES: LINE 3 DISTANCE CHANGED FROM 6.29 TO 5.59 – PFAF MOVED TO INCREASE THE PFAF ALTITUDE.
2. TERMINAL ROUTES: LINE 3 ALTITUDE CHANGED FROM 3400 TO 3600 – PFAF ALTITUDE INCREASED TO COMPENSATE FOR INTERMEDIATE SEGMENT AIRSPACE TERRAIN.
3. TERMINAL ROUTES: ADDED LINE 4 DISTANCE 3.45 – PFAF WAS RELOCATED FOR ALTITUDE INCREASE.
4. TERMINAL ROUTES: ADDED LINE 5 DISTANCE 2.15 – NEW CONTROLLING OBSTACLED ALLOWED LOWER STEDPDOWN ALTITUDE.
5. TERMINAL ROUTES: LINE 6 CA LEG ADDED FROM RW01 TO 1974 MSL – IAW 8260.58C 3-5-2B.
6. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 4400 DIRECT MODPY AND HOLD.” TO “CLIMB TO 4400 DIRECT MODPY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400.” – CLIMB-IN-HOLD REQUIRED TO ACHIEVE CLEARANCE LIMIT ALTITUDE.
7. PROFILE: LINE 3, BOTH DISTANCE FAF TO MAP AND DISTANCE FAF TO THLD CHANGED FROM “4.91” TO “5.61” – NEW PFAF LOCATION.
8. PROFILE: LINE 4 MIN ALT AT FERGUS CHANGED FROM 3400 TO 3600- INTERMEDIATE AIRSPACE TERRAIN.
9. PROFILE: LINE 4 MIN ALT AT OCOBO CHANGED FROM 2600* TO 2500 – NEW CONTROLLING OBSTACLE, AND “*’” NO LONGER APPLICABLE.
10. PROFILE: LINE 5 HAT CHANGED FROM "407 HAT: 1.15" TO "200 HAT: 0.50" – NEW ON-SITE AWOS-3 AND CLEAR LPV SEGMENT QUALIFIED FOR 200 HAT.
11. PROFILE: LINE 6 MIN GP INCPT ALL CHANGED FROM 3400 TO 3600 - INTERMEDIATE AIRSPACE TERRAIN.
12. PROFILE: LINE 7 ADDED 20:1 IS CLEAR – BASED ON EVALUATION OF VISUAL AREAS.
13. ADDED PBN REQUIREMENTS NOTE: RNP APCH – GPS – IAW 8260.19J, PER 8-6-8D(2).
14. NOTES: REMOVED “CHART NOTE: DME/DME RNP-0.3 NA” AND “*LNAV ONLY” – BOTH CRITERIA NO LONGER APPLICABLE.
15. NOTES: REMOVED NOTE: “BARO-VNAV NA” – ON-SITE AWOS ADDED.
16. NOTES: BACKUP ALTIMETER NOTE CHANGED FROM “CHART NOTE: USE ALBION ALTIMETER SETTING; WHEN NOT RECEIVED, USE NORFOLK ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET AND LNAV/VNAV ALL CATS VISIBILITY ¼ MILE.” TO “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BVN ALTIMETER SETTING AND INCREASE LPV DA TO 2032 FEET; INCREASE LNAV/VNAV DA TO 2227 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET.” – ON-SITE AWOS MADE ALBION THE BACKUP SOURCE.
17. NOTES: ADDED “CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BVN ALTIMETER SETTING.” AND “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.” – NEW AWOS ALLOWS BARO-VNAV. NOTE REQUIRED.
18. NOTES: ADDED NOTE “CHART NOTE: CIRCLING TO RWY 13, 31 NA AT NIGHT.” – RWY 13, 31 IS NOT SURVEYED AND 20:1 PENETRATIONS ARE ASSUMED.
19. ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM “CHART FAS OBST: 1999 TREE 420406N/0980405W, 1869 ELEVATOR (31-020036) 420541N/0980244W.” TO “CHART FAS OBST: 1957 TREE 420412N/0980224W.” – MOVING FAF AND STEP-DOWN FIX RESULTED IN NEW CONTROLLING OBSTACLE.
20. ADDITIONAL FLIGHT DATA: DELETED 7:1 OBSTACLE – MOVED TO 8260-9 GENERAL REMARKS. PER 8260.19J PARA 8-6-11E (2) MEMO.
21. ADDITIONAL FLIGHT DATA: ADDED “CHART VDP AT 1.27 NM TO RW01.” – VDP ADDED, RASS ADJUSTMENT AT MAP NO LONGER REQUIRED.
22. ALTERNATE MINIMUMS: CHANGED FROM “NA” TO “STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.” – LOCAL WEATHER SOURCE ADDED.
23. MINIMUMS: LPV CAT A/B CHANGED FROM “DA 2181, VIS 1 ½, HAT 407” TO “DA 1974, VIS ¾, HAT 200” – LOCAL WEATHER SOURCE AND CLEAR EVALUATION.
24. MINIMUMS: LNAV/VNAV CAT A/B CHANGED FROM “DA 2197, VIS 1 ½, HAT 423” TO “DA 2169, VIS 1 1/8, HAT 395” – LOCAL WEATHER SOURCE AND NEW CONTROLLING OB.
25. MINIMUMS: LNAV CAT A/B CHANGED FROM “MDA 2320, HAT 546” TO “MDA 2220, HAT 446” - LOCAL WEATHER SOURCE AND NEW CONTROLLING OB.
26. MINIMUMS: CIRCLING CAT A CHANGED FROM “MDA 2360, HAT 586” TO “MDA 2260, HAT 486” - LOCAL WEATHER SOURCE AND NEW CONTROLLING OB.
27. MINIMUMS: CIRCLING CAT B CHANGED FROM “MDA 2440, HAT 666” TO “MDA 2380, HAT 606” - LOCAL WEATHER SOURCE AND NEW CONTROLLING OB.
28. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM “2A072137” TO “F5EB47CE” – NEW FPAP COORDINATES.

COORDINATED WITH:

A4A [ ] **ALPA** [X] **AOPA** [X] **APA** [ ] **HAI** [ ] **NBAA** [X] **OTHER:** ZMP, OMA APP CON, AMGR

FLIGHT CHECKED BY	OFFICE	DATE
PENDING		

DEVELOPED BY	OFFICE	DATE
DUSTIN HARDISON	AJV-A422	02/03/2025

APPROVED BY	OFFICE	DATE	TITLE
RAKE MCGRAW	AJV-A422	08/07/2025	MANAGER

QUALITY 10 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4V9
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	420618.5640N
LTP/FTP LONGITUDE	0980226.7925W
LTP/FTP ELLIPSOIDAL HEIGHT	+05160
FPAP LATITUDE	420745.5660N
FPAP LONGITUDE	0980200.7585W
THRESHOLD CROSSING HEIGHT (TCH)	00040.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	F5EB47CE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05406
FPAP ORTHOMETRIC HEIGHT	+05406

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
278/30 CW 097/30

TO
278/16 CW 097/16

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-000596)	413227.55N/0974045.88W	3610	250	50	4D	1000				AC50 AT140	4800
TERRAIN	414848.00N/0983806.00W	2306 (2300)								AS1500	3800

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
278/16 CW 097/16

TO
HEMED

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (31-043736)	415753.07N/0981708.56W	2633	250	50	4D	1000				AC50 AT717	4400
TERRAIN	414833.00N/0982503.00W	2244 (2200)								AS1500	3700

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

LEFT BASE AREA

FROM	TO
097/30 CW 188/30	CAGOD

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (31-043736)	415753.07N/0981708.56W	2633	250	50	4D	1000				AC50 AT717	4400
TERRAIN	420303.00N/0985012.00W	2329 (2300)								AS1500	3800

COMPUTATIONS

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

SEGMENT REMARKS:

RIGHT BASE AREA

FROM	TO
188/30 CW 278/30	PLACA

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-000300)	415559.00N/0974050.00W	2704	500	50	5D	1000				AT696	4400
TERRAIN	415524.00N/0980512.00W	2057 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

INITIAL

FROM	TO
CAGOD	HEMED

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (31-023770)	415610.36N/0981211.18W	2577	500	50	5D	1000				AT823	4400
TERRAIN	415618.00N/0981215.00W	2158 (2200)								AS1500	3700

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
PLACA	HEMED

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (31-023491)	415502.71N/0980819.77W	2560	500	50	5D	1000				AT840	4400
TERRAIN	415503.00N/0980621.00W	2112 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

INTERMEDIATE

FROM	TO
HEMED (IF/IAF)	FERUG

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.59				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (31-023491)	415502.71N/0980819.77W	2560	500	50	5D	500					3100
TERRAIN	415503.00N/0980821.00W	2132 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LPV

FROM	TO
FERUG	RW01

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.61		DA	200	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1974

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

FINAL: LNAV/VNAV

FROM	TO
FERUG	RW01

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.61		DA	395	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	420515.00N/0980218.00W	1885	215	8	4B	395	23.39:1			AC8	2169

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM	TO
FERUG	OCOBO/2.15 NM TO RW01

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	3.45				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	420300.00N/0980254.00W	2172	215	8	4B	250				RA60	2500

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM	TO
OCOBO/2.15 NM TO RW01	RW01

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.15		RW01	446	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	420412.00N/0980224.00W	1957	215	8	4B	250					2220

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

HOLD-IN-LIEU OF PT

FROM	TO
HEMED	P-6

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-6			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (31-023609)	415437.79N/0980830.14W	2567	500	50	5D	1000				AT833	4400
TERRAIN	415621.00N/0981100.00W	2145 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM	TO
DA	MODPY

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00-1.00					1809

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4400
WINDMILL (31-039706)	421134.81N/0975931.37W	2532	250	50	4D	1000					3600
TERRAIN	421136.00N/0975927.00W	2057 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

MISSED APPROACH: LNAV/VNAV

FROM	TO
DA	MODPY

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					2027

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4400
WINDMILL (31-039706)	421134.81N/0975931.37W	2532	250	50	4D	1000					3600
TERRAIN	421136.00N/0975927.00W	2057 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM	TO
RW01	MODPY

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					2120

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4400
WINDMILL (31-039706)	421134.81N/0975931.37W	2532	250	50	4D	1000					3600
TERRAIN	421136.00N/0975927.00W	2057 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

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	420800.00N/0980121.00W	1.32	486	1957	215	8	4B	300			2260
CATEGORY B											
TOWER (31-021132)	420821.33N/0980156.40W	1.87	606	2070	50	20	2C	300			2380

CIRCLING REMARKS:

MSA/ESA

CENTER **RADIUS**

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
4V9	RNAV (GPS) RWY 1	1	NELIGH	NE	1774	RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

OLU FSS, OMA APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	4V9	24	4V9	0.10	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	BVN	24	BVN	23.02	N	58

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K4V9 1774, KBZN 1806
RA = 57.5.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW13 - MIRL (PCL)	BSC-G	
RW31 - MIRL (PCL)	BSC-G	
RW01 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW19 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1773.7	40.6			3.00	40.6

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
-18C	+54C	-18C	+11.49C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 726 HIGH TEMP 1151.

"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.

VEGETATION 60' PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1970 TREE 420348.00N/0980207.00W.

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	THLD	**TO 1000FT POINT**	3.61
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	012.53
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	2000
DISTANCE FROM	THLD	**TO 1500FT POINT**	5.27
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	1.80
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	012.53
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	2000

THRESHOLD COORDINATES (IF STR-IN)	420618.56N/0980226.79W
ARP COORDINATES	420644.10N/0980223.20W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 1 DISTANCE 0.43 NM
FAF COORDINATES	420050.04N/0980404.86W
FIX NAME COORDINATES	IAF CAGOD 415627.14N/0981214.84W, IAF PLACA 415417.10N/0975910.18W, IF/IAF HEMED 415522.30N/0980542.40W

REMARKS

TAA 30NM.
IAF CAGOD: 415627.14N/0981214.84W, IAF PLACA: 415417.10N/0975910.18W, IF/IAF HEMED: 415522.30N/0980542.40W

QUALITY 10 CHECKED

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DUSTIN HARDISON	AJV-A422	02/03/2025	AERONAUTICAL INFORMATION SPECIALIST