

**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><b>AIRPORT ID</b></u> ABR	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 13	<u><b>ORIGINAL/AMENDMENT</b></u> 1B	<u><b>CITY</b></u> ABERDEEN	<u><b>STATE</b></u> SD
<u><b>AIRPORT ELEVATION</b></u> 1302	<u><b>TDZE</b></u> 1302	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 13	<u><b>DATED</b></u> 09/07/2023	<u><b>MAG VAR</b></u> 7E
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>EPOCH YEAR</b></u> 2000
				<u><b>CANCEL/SUSPEND</b></u>

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 038/30 CW 218/30	NOPT	038/10 CW 218/10		3700
2. 038/10 CW 218/10		HATHR	IF/IAF	3000
3. 218/30 CW 038/30		HATHR	IF/IAF	3200

**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>
HATHR	IF/IAF	GUBDE		TF	FB	1.00	127.91	6.03	3000
GUBDE	FAF	LOWOB/2.50 NM TO RW13		TF	FB	0.30	127.99	2.67	
LOWOB/2.50 NM TO RW13		RW13	MAP	TF	FO	0.30	127.99	2.50	
RW13	MAP	1502 MSL		CA			127.99		
1502 MSL		DOXCU		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT DOXCU AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- |   |                       |                                   |                              |                  |       |                               |                |  |            |
|---|-----------------------|-----------------------------------|------------------------------|------------------|-------|-------------------------------|----------------|--|------------|
| 1. <b>PT</b>  | <b>SIDE OF COURSE</b> | <b>OUTBOUND</b>                   | <b>FT WITHIN</b>             | <b>MILES OF</b>  | (IAF) |                               |                |  |            |
| 2. HOLD NW HATHR, RT, 127.91 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000. |                       |                                   |                              |                  |       |                               |                |  |            |
| 3. <b>FAC:</b> 127.99   |                       | <b>FAF:</b> GUBDE                 | <b>DIST FAF TO MAP:</b> 5.17 |                  |       | <b>DIST FAF TO THLD:</b> 5.17 |                |  |            |
| 4. <b>MIN ALT:</b> HATHR 3000, GUBDE 3000, LOWOB/2.50 NM TO RW13 2140     |                       |                                   |                              |                  |       |                               |                |  |            |
| 5. <b>DIST TO THLD FROM OM:</b>   |                       | <b>MM:</b>                        | <b>IM:</b>                   | <b>150 HAT:</b>  |       | <b>200 HAT:</b> 0.47          | <b>GS ANT:</b> |  |            |
| 6. <b>MIN GP INCPT:</b> 3000  |                       | <b>GP ALT AT PFAF:</b> GUBDE 3000 |                              |                  |       | <b>OM:</b>                    | <b>MM:</b>     |  | <b>IM:</b> |
| 7. <b>GP ANGLE:</b> 3.00  |                       | <b>34:1:</b> IS CLEAR             | <b>20:1:</b> IS CLEAR        | <b>TCH:</b> 50.6 |       |                               |                |  |            |
| 8. <b>MSA FROM:</b>   |                       |                                   |                              |                  |       |                               |                |  |            |

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.

**ADDITIONAL FLIGHT DATA:**

HOLD SE, RT, 308.20 INBOUND.  
 CHART FAS OBST: 1448 TOWER (46-042640) 452837N/0982721W.  
 CHART VDP AT 1.09 NM TO RW13.  
 WAAS CHANNEL # 40341  
 REFERENCE PATH ID: W13A  
 LTP HAE: 372.3 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 900-2 3/4, 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	1502	1	200	1502	1	200	1502	1	200	1502	1	200				
LNAV/VNAV DA	1700	1 1/8	398	1700	1 1/8	398	1700	1 1/8	398	1700	1 1/8	398				
LNAV MDA	1700	1	398	1700	1	398	1700	1 1/8	398	1700	1 1/8	398				
CIRCLING	1760	1	458	1860	1	558	1980	2	678	2160	2 3/4	858				



**CHANGES - REASONS**

1. INCORPORATED CHANGES FROM P-NOTAM AMDT 1A INTO THIS FORM – IAW 8260.19K 8-3-4 C(3).
2. PROFILE LINE 2: REMOVED "FT" FROM HOLD IN LIEU ALTITUDE AND ADDED "MAX 6000" - IAW 8260.19K 8-6-7 B(2).
3. PROFILE LINE 4: REMOVED ASTERISK FROM "LOWOB/2.50 NM TO RW13 2140\*" - NO LONGER REQUIRED.
4. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - IAW 8260.19K 8-6-7 G(3)(A).
5. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM "1459 TOWER 452737N/0982721W" TO "1448 TOWER (46-042640) 452837N/0982721W" - NEW EVALUATION IDENTIFIES NEW FINAL CONTROLLING OBSTACLE.
6. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 200 HAT: 0.47 NM" AND ADDED "DIST TO THLD FROM 200 HAT: 0.47" TO PROFILE LINE 5 - IAW 8260.19K 8-6-7 E(3).
7. ADDITIONAL FLIGHT DATA: REMOVED ASTERISK FROM "CHART VDP AT 1.09 NM TO RW13\*" AND "LNAV ONLY" - NO LONGER REQUIRED IAW 8260.19K 8-6-11 M(2).
8. ALTERNATE MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19K 8-6-12 B(4).
9. MINIMUMS: LOWERED LNAV/VNAV DA/HAT ALL CATS FROM 1752/450 TO 1700/398 AND VISIBILITIES ALL CATS FROM 1 3/8 TO 1 1/8 - TO MATCH LNAV MINIMUMS IAW 8260.58D 3-4-5; VISIBILITIES IAW 8260.3G TABLE 3-3-1.
10. MINIMUMS: RAISED CIRCLING CAT C CMDA/HAA FROM 1960/658 TO 1980/678 AND VISIBILITY FROM 1 3/4 TO 2 - INCORPORATED NOTAM FDC: 5/7556, NEW TOWER AFFECTS CIRCLING CAT C MINIMUMS; VISIBILITY IAW 8260.3G TABLE 3-3-1.
11. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM "3E3ADA2D" TO "8F1C7865" - LTP/FTP COORDINATES CHANGED FROM "452718.8480N/0982540.9345W" TO "452718.8490N/0982540.9340W", FPAP COORDINATES CHANGED FROM "452615.7900N/0982411.5410W" TO "452615.7910N/0982411.5405W".

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

PAUL A GOSDEN

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Feb 18, 2026

**OFFICE**

AJF

**DATE**

02/17/2026

**DEVELOPED BY**

CASIMIR L. TABAKA (HOPE N. DENTON)

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Feb 18, 2026

**OFFICE**

AJV-A432

**DATE**

12/22/2025

**APPROVED BY**

CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Feb 18, 2026

**OFFICE**

AJV-A432

**DATE**

**TITLE**  
MANAGER



AIRPORT ID  
ABR

PROCEDURE NAME  
RNAV (GPS) RWY 13

ORIGINAL/AMENDMENT  
1B

CITY  
ABERDEEN

STATE  
SD

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KABR
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	452718.8490N
LTP/FTP LONGITUDE	0982540.9340W
LTP/FTP ELLIPSOIDAL HEIGHT	+03723
FPAP LATITUDE	452615.7910N
FPAP LONGITUDE	0982411.5405W
THRESHOLD CROSSING HEIGHT (TCH)	00050.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0648
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 8F1C7865

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03968
FPAP ORTHOMETRIC HEIGHT	+03968



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

<u>AIRPORT ID</u> ABR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> 1B	<u>CITY</u> ABERDEEN	<u>STATE</u> SD	<u>AIRPORT ELEVATION</u> 1302	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

**FROM** 038/30 CW 218/30 **TO** 038/10 CW 218/10

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (38-020396)	455735.91N/0985814.65W	2608	500	50	5D	1000					3700
TERRAIN	455730.00N/0985815.00W	2247 (2200)								AS1500	3700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

**FROM** 038/10 CW 218/10 **TO** HATHR

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (46-020164)	452712.87N/0984811.37W	1949	500	50	5D	1000					3000
TERRAIN	453709.00N/0985039.00W	1499 (1500)								AS1500	3000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
ABR

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1B

**CITY**  
ABERDEEN

**STATE**  
SD

**AIRPORT ELEVATION**  
1302

**FACILITY**  
RNAV

**STRAIGHT-IN AREA**

**FROM**  
218/30 CW 038/30

**TO**  
HATHR

RNP                      DISTANCE                      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>
TOWER (46-020164)	452712.87N/0984811.37W	1949	500	50	5D	1000				AT251	3200
TERRAIN	452724.00N/0984321.00W	1581 (1600)								AS1500	3100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE**

**FROM**  
HATHR (IF/IAF)

**TO**  
GUBDE

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS  
1.00                      6.03

<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	453421.00N/0983942.00W	1641	215	8	4B	500				AT859	3000
TERRAIN	453351.00N/0983851.00W	1417 (1400)								AS1500	2900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
ABR

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1B

**CITY**  
ABERDEEN

**STATE**  
SD

**AIRPORT ELEVATION**  
1302

**FACILITY**  
RNAV

**FINAL: LPV**

**FROM**  
GUBDE

**TO**  
RW13

**RNP**  
0.30

**DISTANCE**  
5.17

**PAT**

**MAP**  
DA

**HAT**  
200

**HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1502

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV/VNAV**

**FROM**  
GUBDE

**TO**  
RW13

**RNP**  
0.30

**DISTANCE**  
5.17

**PAT**

**MAP**  
DA

**HAT**  
398

**HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (46-000365)	452737.00N/0982721.00W	1459	50	10	2B		23.82:1			AC10 SA-7	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
GUBDE

**TO**  
LOWOB/2.50 NM TO RW13

**RNP**  
0.30

**DISTANCE**  
2.67

**PAT**

**MAP**

**HAT**

**HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	453136.00N/0983024.00W	1549	215	8	4B	250				RA220 DG121	2140

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
ABR

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1B

**CITY**  
ABERDEEN

**STATE**  
SD

**AIRPORT ELEVATION**  
1302

**FACILITY**  
RNAV

**FINAL: LNAV STEPDOWN**

**FROM**  
LOWOB/2.50 NM TO RW13

**TO**  
RW13

**RNP**  
0.30

**DISTANCE**  
2.50

**PAT**

**MAP**  
RW13

**HAT**  
398

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (46-042640)	452836.82N/0982720.95W	1448	20	3	1A	250					1700

**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**  
HATHR

**TO**  
P-5

**RNP**

**DISTANCE**

**PAT**  
P-5

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	454045.00N/0984921.00W	1703	215	8	4B	1000					2800
TERRAIN	453957.00N/0984957.00W	1502 (1500)								AS1500	3000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
ABR

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1B

**CITY**  
ABERDEEN

**STATE**  
SD

**AIRPORT ELEVATION**  
1302

**FACILITY**  
RNAV

**MISSED APPROACH: LPV**

**FROM**  
DA **TO**  
DOXCU

**RNP** 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
1336

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
AAO	452133.00N/0981800.00W	1506	215	8	4B	1000					2600
TERRAIN	452730.00N/0982436.00W	1309 (1300)								AS1500	2800

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LNAV/VNAV**

**FROM**  
DA **TO**  
DOXCU

**RNP** 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
1539

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
AAO	452133.00N/0981800.00W	1506	215	8	4B	1000					2600
TERRAIN	452730.00N/0982436.00W	1309 (1300)								AS1500	2800

**COMPUTATIONS**

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

**SEGMENT REMARKS:**





**AIRPORT ID**  
ABR

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1B

**CITY**  
ABERDEEN

**STATE**  
SD

**AIRPORT ELEVATION**  
1302

**FACILITY**  
RNAV

ZMP ARTCC, HON FSS

**WX SERVICE**  
ASOS

**LOCATION**  
ABR

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
ABR

**DISTANCE**

**WMSCR**  
Y

**ADJUSTMENTS**  
0

**BACK-UP WX SERVICE**  
ASOS

**LOCATION**  
ATY

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
ATY

**DISTANCE**  
62.51

**WMSCR**  
Y

**ADJUSTMENTS**  
207

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
ABR 1302, ATY 1749  
RA = 206.6.

**PRIMARY NAVAID**

**MONITOR POINT**

**HRS OPERATION**

**CAT**

<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW13 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	
RW17 - REIL (PCL), MIRL (PCL), PAPI-4R (PCL)	PIR-G	
RW31 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	
RW35 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	

**GLIDESLOPE ANGLE**  
3.00

**ELEV RWY THRESHOLD**  
1301.9

**TCH**  
50.6

**ELEV GS ANTENNA**

**DISTANCE FROM RWY**

**VGSI ANGLE**  
3.00

**TCH**  
49.7

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**  
-21C

**CRITICAL HIGH**  
+54C

**ACT**  
-31C

**APT ISA**  
+12.42C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016).  
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.  
DESCENT RATE (FPM): STANDARD TEMP 972 HIGH TEMP 1283.

**"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.

100 FT VEGETATION HEIGHT PER FPT.

VGS PENETRATION: 1304 MSL LIGHTING (46-028599) IS AIRPORT LIGHTING AND WAS IGNORED IN TARGETS REFERENCE SOFTWARE.

FOR CONTINGENCY PURPOSES:

- WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATY ALTIMETER SETTING AND INCREASE LPV DA TO 1709 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1907 FEET AND ALL VISIBILITIES 5/8 SM. INCREASE ALL MDAS 220 FEET AND LNAV VISIBILITY CAT C/D 5/8 SM, AND CIRCLING VISIBILITY CAT C/D 3/4 SM.
  - BARO-VNAV AND VDP NA WHEN USING ATY ALTIMETER SETTING.
- 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	
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.98
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	1.20
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	134.99
DISTANCE FROM	THLD	TO 1500FT POINT	1300
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.77
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	1.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	134.99
			1300

<b>THRESHOLD COORDINATES (IF STR-IN)</b>	452718.85N/0982540.93W
<b>ARP COORDINATES</b>	452648.47N/0982520.79W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	RUNWAY 31 DISTANCE 0.64 NM
<b>FAF COORDINATES</b>	453058.39N/0983052.82W
<b>FIX NAME COORDINATES</b>	

**REMARKS**

TAA UTILIZES 30 NM RADIUS.

TAA STRAIGHT IN: 038/30 CW 218/30 TO 038/10 CW 218/10; 038/10 CW 218/10 TO HATHR; 218/30 CW 038/30 TO HATHR

**PART E: PREPARED BY**

**NAME**  
CASIMIR L. TABAKA (HOPE N. DENTON)

**OFFICE**  
AJV-A432

**DATE**  
12/22/2025

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