

**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.

<b>AIRPORT ID</b> BFZ	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 23	<b>ORIGINAL/AMENDMENT</b> 3	<b>CITY</b> ALBERTVILLE	<b>STATE</b> AL
<b>AIRPORT ELEVATION</b> 1032	<b>TDZE</b> 1032	<b>SUPERSEDED</b> RNAV (GPS) RWY 23	<b>DATED</b> 04/02/2015	<b>MAG VAR</b> 2W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 1995
				<b>CANCEL/SUSPEND</b>

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 140/30 CW 320/30	NOPT	140/10 CW 320/10		4100
2. 140/10 CW 320/10		DEZLY	IF/IAF	3700
3. 320/30 CW 140/30		320/10 CW 140/10		4100
4. 320/10 CW 140/10		DEZLY	IF/IAF	3700

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
DEZLY	IF/IAF	MITNE		TF	FB	1.00	230.42	5.95	2700
MITNE	FAF	YAKUB/1.90 NM TO RW23		TF	FB	0.30	230.37	3.20	
YAKUB/1.90 NM TO RW23		RW23	MAP	TF	FO	0.30	230.37	1.90	
RW23	MAP	1282 MSL		CA			230.37		
1282 MSL		OCOQY		DF	FO	1.00			3700

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3700 DIRECT OCOQY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
- 2. HOLD NE DEZLY, RT, 230.42 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 230.37                      **FAF:** MITNE                      **DIST FAF TO MAP:** 5.10                      **DIST FAF TO THLD:** 5.10
- 4. **MIN ALT:** DEZLY 3700, MITNE 2700, YAKUB/1.90 NM TO RW23 1680
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **250 HAT:** 0.65                      **GS ANT:**
- 6. **MIN GP INCPT:** 2700                      **GP ALT AT PFAF:** MITNE 2700                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:** 3.00                      **34:1:** IS NOT CLEAR                      **20:1:** IS CLEAR                      **TCH:** 41.8
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON  
HOLD SW, LT, 050.23 INBOUND.  
CHART FAS OBST: 1167 TREE 341503N/0861245W.  
CHART VDP AT 1.15 NM TO RW23.  
WAAS CHANNEL # 99604  
REFERENCE PATH ID: W23A  
LTP HAE: 285.5 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	1282	3/4	250	1282	3/4	250	1282	3/4	250	1282	3/4	250				
LNAV/VNAV DA	1437	1 1/8	405	1437	1 1/8	405	1437	1 1/8	405	1437	1 1/8	405				
LNAV MDA	1440	1	408	1440	1	408	1440	1 1/8	408	1440	1 1/8	408				
CIRCLING	1480	1	448	1500	1	468	1500	1 1/2	468	1680	2	648				



**CHANGES - REASONS**

1. AIRPORT IDENTIFIER CHANGED FROM 8A0 TO BFZ - AIRNAV DATA CHANGE.
2. MOVED ALL TAA INFORMATION FROM FAA FORM 8260-10 TO FAA FORM 8260-3 - PER FAAO 8260.19J, PARA 8-6-3., APPENDIX F AND CURRENT FORM DESIGN.
3. RAISED TAA ALTITUDES FROM "4000 FT" TO "4100 FT", CHANGED TAA STEP-DOWN ARCS FROM "15 NM" TO "10 NM", RAISED TAA STEP-DOWN 10 NM ARC ALTITUDES AT DEZLY FROM "3300 FT" TO "3700 FT" - PER ATC/DUE TO EASTERN MOUNTAINOUS TERRAIN.
4. TERMINAL ROUTES: ADDED RNP VALUES AND CHANGED INTERMEDIATE SEGMENT RNP VALUE FROM 0.5 TO 1.0 - PER FAAO 8260.58C, TABLE 1-2-1 AND CURRENT FORM DESIGN.
5. TERMINAL ROUTES: CHANGED ALL MENTION OF "YAKUB/1.84 NM TO RW23" TO "YAKUB/1.90 NM TO RW23", CHANGED SEGMENT "MITNE TO YAKUB/1.90 NM TO RWY23" DISTANCE FROM "3.27" TO "3.20" AND CHANGED SEGMENT "YAKUB/1.90 NM TO RW23 TO RW23" DISTANCE FROM "1.87" TO "1.90" - STEP-DOWN FIX MOVED 385 FT NORTHEAST DUE TO NEW CONTROLLING OBSTACLE IN PFAF TO SDF SEGMENT.
6. TERMINAL ROUTES: CHANGED SEGMENT "1282 MSL TO OCOQY" ALTITUDE FROM "3200" TO "3700" - PER ATC.
7. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 3200 DIRECT OCOQY AND HOLD." TO "CLIMB TO 3700 DIRECT OCOQY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700." - AIRCRAFT DOES NOT REACH 3700 CLEARANCE LIMIT ALTITUDE AT OCOQY AND ALSO DOES NOT REACH THE ROC SURFACE ELEVATION IAW THE 8260.3E, 2-8-5. C.(3)(A).
8. ADDITIONAL FLIGHT DATA: CHART FAS OBST CHANGED FROM "1179 TREE 341458N/0861245W" TO "1167 TREE 341503N/0861245W" - TARGETS 7.3.3 CALCULATED USING 215 FEET FOR HORIZONTAL AND 8 FEET FOR VERTICAL ACCURACY OF 3DEP THREE ARC SECOND TERRAIN DATA PLUS 100-FOOT VEGETATION.
9. PROFILE: LINE 2 CHANGED FROM "HOLD NE DEZLY, RT, 230.42 INBOUND, 3300 FT. IN LIEU OF PT (IAF)" TO "HOLD NE DEZLY, RT, 230.42 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000." - PER FAAO 8260.19J, PARA 8-6-7. B.(2).
10. PROFILE: LINE 4 CHANGED FROM "DEZLY 3300, MITNE 2700, YAKUB/1.87 NM TO RW23 1660\*" TO "DEZLY 3700, MITNE 2700, YAKUB/1.90 NM TO RW23 1680" - DEZLY ALTITUDE INCREASED PER ATC, FINAL STEP-DOWN ALTITUDE INCREASED AND ASTERISK NO LONGER REQUIRED.
11. PROFILE: LINE 7 ADDED "20:1 IS CLEAR"; AND CHANGED TCH FROM "42.0" TO "41.8" - PER FAAO 8260.19J, PARA 8-6-7. G.(3)(A); AND CHANGED TCH TO MATCH VGSI TCH.
12. ADDED "PBN REQUIREMENTS NOTE: RNP APCH-GPS" AND REMOVED "CHART NOTE: DME/DME RNP-0.3 NA." - PER FAAO 8620.19J, PARA 8-6-8.
13. DELETED PROFILE NOTE "\*LNAV ONLY" - NO LONGER REQUIRED.
14. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." TO "RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 20:1 VISUAL AREA IS CLEAR AND 34:1 VISUAL AREA IS NOT CLEAR PER FAAO 8260.19J, PARA 8-6-12. K.
15. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C." - PER FAAO 8260.19J, PARA 8-6-10. R.
16. REMOVED BACKUP ALTIMETER NOTES FROM CHART NOTES AND ADDED CONTINGENCY ALTIMETER NOTES TO PART C GENERAL REMARKS ON FORM 8260-9 - PER FPT, FAAO 8260.19J, PARA 8-6-10. F.
17. MINIMUMS: DECREASED LPV VISIBILITY FROM "1 SM" TO "3/4 SM"; RAISED LNAV/VNAV FROM "DA 1340/HAT 308" TO "DA 1437/HAT 405" AND INCREASED LNAV/VNAV VISIBILITY FROM "1 SM" TO "1 1/8 SM" - LPV UPDATED VISIBILITY CRITERIA IN FAAO 8260.3C, SECTION 3-3; AND PENETRATION OF THE LNAV/VNAV 23.44:1 SLOPE.
18. FAS DATA BLOCK INFORMATION: CHANGED FPAP LATITUDE FROM "341305.5485N" TO "341305.5490N"; CHANGED FPAP LONGITUDE FROM "0861613.7860W" TO "0861613.7865W"; CHANGED THRESHOLD CROSSING HEIGHT FROM 42.0 TO 41.8; AND CHANGED CRC REMAINDER FROM "8E1B342F" TO "266DBEE3" - CURRENT DATA AND SIAP CALCULATIONS.

**COORDINATED WITH:**

A4A  
  ALPA  
  AOPA  
  APA  
  HAI  
  NBAA

**OTHER:** ZTL, ZME, BHM APP CON, KBFZ AMGR.

**FLIGHT CHECKED BY**

GEORGE E SEARLES

*Digitally signed by*

**CASIMIR L TABAKA**

Jan 22, 2025

**OFFICE**

AJF

**DATE**

01/16/2025

**DEVELOPED BY**

WILLIAM HANBY

*Digitally signed by*

**WILLIAM HANBY**

Sep 06, 2024

**OFFICE**

AJV-A432

**DATE**

08/28/2024

**APPROVED BY**

JOSEPH L. ZEDER

*Digitally signed by*

**CASIMIR L TABAKA**

Jan 22, 2025

**OFFICE**

AJV-A432

**DATE**

**TITLE**

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFZ
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	341404.8965N
LTP/FTP LONGITUDE	0861453.5270W
LTP/FTP ELLIPSOIDAL HEIGHT	+02855
FPAP LATITUDE	341305.5490N
FPAP LONGITUDE	0861613.7865W
THRESHOLD CROSSING HEIGHT (TCH)	00041.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0888
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 266DBEE3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03146
FPAP ORTHOMETRIC HEIGHT	+03146



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

<u>AIRPORT ID</u> BFZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> 3	<u>CITY</u> ALBERTVILLE	<u>STATE</u> AL	<u>AIRPORT ELEVATION</u> 1032	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

**FROM** 140/30 CW 320/30 **TO** 140/10 CW 320/10

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	343654.00N/0853103.00W	2112	250	10	4B	2000				MT-12	4100
TERRAIN	343609.00N/0853500.00W	1893 (1900)								AS1500	3400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

**FROM** 140/10 CW 320/10 **TO** DEZLY

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (01-002616)	342800.19N/0855248.59W	1635	50	20	2C	2000					3700
TERRAIN	342724.00N/0855521.00W	1299 (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**  
BFZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 23

**AMDT NO.**  
3

**CITY**  
ALBERTVILLE

**STATE**  
AL

**AIRPORT ELEVATION**  
1032

**FACILITY**  
RNAV

**STRAIGHT-IN AREA**

**FROM**  
320/30 CW 140/30

**TO**  
320/10 CW 140/10

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>
AAO	340136.00N/0854030.00W	2077	215	8	4B	2000					4100
TERRAIN	344321.00N/0862839.00W	1601 (1600)								AS1500	3100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

**FROM**  
320/10 CW 140/10

**TO**  
DEZLY

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 (01-057996)	342949.38N/0861216.76W	1532	20	3	1A	2000				AT168	3700
TERRAIN	341457.00N/0855851.00W	1181 (1200)								AS1500	2700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
BFZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 23

**AMDT NO.**  
3

**CITY**  
ALBERTVILLE

**STATE**  
AL

**AIRPORT ELEVATION**  
1032

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
DEZLY (IF/IAF)

**TO**  
MITNE

**RNP**  
1.00

**DISTANCE**  
5.95

**PAT**

**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>
TOWER (01-002711)	341914.65N/0860503.80W	1432	50	20	2C	500				AT768	2700
TERRAIN	342112.00N/0860454.00W	1145 (1100)								AS1500	2600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LPV**

**FROM**  
MITNE

**TO**  
RW23

**RNP**  
0.30

**DISTANCE**  
5.10

**PAT**

**MAP**  
DA

**HAT**  
250

**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>
TREE (01-023576)	341421.11N/0861437.96W	1088	20	3	1A		34.00:1				1282

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
BFZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 23

**AMDT NO.**  
3

**CITY**  
ALBERTVILLE

**STATE**  
AL

**AIRPORT ELEVATION**  
1032

**FACILITY**  
RNAV

**FINAL: LNAV/VNAV**

**FROM**  
MITNE

**TO**  
RW23

**RNP**  
0.30

**DISTANCE**  
5.10

**PAT**

**MAP**  
DA

**HAT**  
405

**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>
TREE	341421.00N/0861327.00W	1150	250	8	4B		23.44:1			AC8	1437

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
MITNE

**TO**  
YAKUB/1.90 NM TO RW23

**RNP**  
0.30

**DISTANCE**  
3.20

**PAT**

**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	341624.00N/0861203.00W	1263	215	8	4B	250				RA160	1680

**COMPUTATIONS**

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

**SEGMENT REMARKS:**





**AIRPORT ID**  
BFZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 23

**AMDT NO.**  
3

**CITY**  
ALBERTVILLE

**STATE**  
AL

**AIRPORT ELEVATION**  
1032

**FACILITY**  
RNAV

**FINAL: LNAV STEPDOWN**

**FROM**  
YAKUB/1.90 NM TO RW23

**TO**  
RW23

**RNP**  
0.30

**DISTANCE**  
1.90

**PAT**

**MAP**  
RW23

**HAT**  
408

**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>
TREE	341503.00N/0861245.00W	1167	250	10	4B	250				XP23	1440

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

XP = 23 FEET, TO MATCH PUBLISHED MINIMUMS.

**HOLD-IN-LIEU OF PT**

**FROM**  
DEZLY

**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>
TOWER (01-002927)	342636.87N/0855611.15W	1559	20	3	1A	1000				AT1141	3700
TERRAIN	342754.00N/0855542.00W	1292 (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**  
BFZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 23

**AMDT NO.**  
3

**CITY**  
ALBERTVILLE

**STATE**  
AL

**AIRPORT ELEVATION**  
1032

**FACILITY**  
RNAV

**MISSED APPROACH: LPV**

**FROM** DA **TO** OCOQY

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
1095

<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>
							ASC				3700
TOWER (01-058025)	340501.95N/0862421.03W	1232	20	3	1A	1000					2300
TERRAIN	341400.00N/0861348.00W	1062 (1100)								AS1500	2600

**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** OCOQY

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
1276

<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>
							ASC				3700
TOWER (01-058025)	340501.95N/0862421.03W	1232	20	3	1A	1000					2300
TERRAIN	341400.00N/0861348.00W	1062 (1100)								AS1500	2600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
BFZ

**PROCEDURE NAME**  
RNAV (GPS) RWY 23

**AMDT NO.**  
3

**CITY**  
ALBERTVILLE

**STATE**  
AL

**AIRPORT ELEVATION**  
1032

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV**

**FROM**  
RW23

**TO**  
OCOQY

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
1340

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3700
TOWER (01-058025)	340501.95N/0862421.03W	1232	20	3	1A	1000					2300
TERRAIN	341400.00N/0861348.00W	1062 (1100)								AS1500	2600

**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	341412.00N/0861327.00W	1.30	448	1177	250	10	4B	300			1480
CATEGORY B											
TOWER (01-002986)	341525.70N/0861547.19W	1.84	468	1200	50	20	2C	300			1500
CATEGORY C											
TOWER (01-002986)	341525.70N/0861547.19W	2.90	468	1200	50	20	2C	300			1500
CATEGORY D											
TOWER (01-002649)	341521.00N/0861113.00W	3.79	648	1369	50	20	2C	300			1680

**CIRCLING REMARKS:**

**MSA/ESA**

**CENTER**

**RADIUS**

**REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

100 FT TREES USED PER FPT CHECKLIST.



**AIRPORT ID**  
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RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

BHM APP CON, ANB FSS

**WX SERVICE**  
AWOS-3PT

**LOCATION**  
BFZ

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
BFZ

**DISTANCE**  
0

**SERVICE-A**  
Y

**ADJUSTMENTS**  
0

**BACK-UP WX SERVICE**  
ASOS

**LOCATION**  
HSV

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
HSV

**DISTANCE**  
35.52

**SERVICE-A**  
Y

**ADJUSTMENTS**  
141

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
BFZ 1032, HSV 623  
RA = 140.6

**PRIMARY NAVAID**

**MONITOR POINT**

**HRS OPERATION**

**CAT**

<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW05 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW23 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	

**GLIDESLOPE ANGLE**  
3.00

**ELEV RWY THRESHOLD**  
1032.3

**TCH**  
41.8

**ELEV GS ANTENNA**

**DISTANCE FROM RWY**

**VGSI ANGLE**  
3.00

**TCH**  
41.8

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**  
-17C

**CRITICAL HIGH**  
+54C

**ACT**  
-17C

**APT ISA**  
+12.96C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 969 HIGH TEMP 1278.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

FINAL TYPE	LPV; LNAV/VNAV; LNAV
34:1	
1088 TREE (01-023576) 341421.1100N/0861437.9600W (0.82)	

**PENETRATIONS REMARKS:**



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RNAV

**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.

APPLICATION OF THE MEMO: WAIVER TO ORDER 8260.58, UNITES STATES STANDARD FOR PBN INSTRUMENT PROCEDURE DESIGN, ON APPENDIX C PBN TRANSITION TO ILS/GLS/LPV FINAL.

REQUEST TEMPORARY WAIVER TO NOT DEVELOP A CAPTURE FIX. APPLICABLE STANDARD IS FAAO 8260.58C, APPENDIX C. PARA 2A(1): ESTABLISH A CAPTURE FIX. CONSTRUCT A TF LEG ALIGNED WITH THE FAC THAT IS COMMON TO ALL INTERMEDIATE SEGMENTS. THE START FIX OF THE LEG IS DESIGNATED THE CAPTURE FIX. ALTERNATIVELY WHERE OPERATIONALLY NECESSARY, THE CAPTURE FIX MAY BE PLACED ON OR AT THE START OF AN RF LEG. THE PRELIMINARY LOCATION OF THE CAPTURE FIX MAY BE LESS THAN 2 NM BUT NO CLOSER THAN 1 NM PRIOR TO THE PFAF.

CONTINGENCY ALTIMETER: KHSV

NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HSV ALTIMETER SETTING AND INCREASE LPV DA TO 1423 FEET AND ALL VISIBILITIES 3/8 SM. INCREASE LNAV/VNAV DA TO 1578 FEET AND ALL VISIBILITIES 1/2 SM. INCREASE ALL MDAS 160 FEET AND LNAV VISIBILITY CAT C/D 1/2 SM, AND CIRCLING VISIBILITY CAT C/D 1/2 SM.

NOTE: BARO-VNAV AND VDP NA WHEN USING HSV 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**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	3.22
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	228.37
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	1100
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	4.90
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1500FT POINT</b>	1.95
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	228.37
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	1100

**THRESHOLD COORDINATES (IF STR-IN)**

341404.90N/0861453.53W

**ARP COORDINATES**

341344.80N/0861520.70W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 5 DISTANCE 0.50 NM

**FAF COORDINATES**

341728.80N/0861017.39W

**FIX NAME COORDINATES**

IF/IAF DEZLY 342126.05N/0860455.33W

**REMARKS**

30 NM TAA DEZLY.  
NO ADDITIONAL AIRSPACE REQUIRED.

**PART E: PREPARED BY**

**NAME**

WILLIAM HANBY

**OFFICE**

AJV-A432

**DATE**

08/28/2024

**TITLE**

AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID  
BFZ

PROCEDURE NAME  
RNAV (GPS) RWY 23

AMDT NO.  
3

CITY  
ALBERTVILLE

STATE  
AL

AIRPORT ELEVATION  
1032

FACILITY  
RNAV

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