

**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> DDH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BENNINGTON	<u>STATE</u> VT
<u>AIRPORT ELEVATION</u> 827	<u>TDZE</u> 818	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>DATED</u> 09/08/2022	<u>MAG VAR</u> 14W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1980
		<u>ORIG-F</u>		<u>CANCEL/SUSPEND</u>

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 042/30 CW 222/30	NOPT	042/15 CW 222/15		4900
2. 042/15 CW 222/15		FAXIB	IF/IAF	4100
3. 222/30 CW 312/30		222/8 CW 312/8		6200
4. 222/8 CW 312/8		GADYE	IAF	4100
5. 312/30 CW 042/30		312/10 CW 042/10		5700
6. 312/10 CW 042/10		JOTOV	IAF	4100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GADYE	IAF	FAXIB	NOPT	TF	FB	1.00	222.23	7.00	4100
JOTOV	IAF	FAXIB	NOPT	TF	FB	1.00	042.13	7.00	4100
FAXIB	IF/IAF	CIBTA		TF	FB	1.00	132.18	9.94	2800
CIBTA	FAF	RW13	MAP	TF	FO	0.30	132.31	4.90	
RW13	MAP	1227 MSL		CA			132.31		
1227 MSL		FAXIB		DF	FO	1.00			4100

MISSED APPROACH

MAP:

LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 210 KIAS UNTIL FAXIB) CLIMBING LEFT TURN TO 4100 DIRECT FAXIB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NW FAXIB, RT, 132.18 INBOUND, 4100 FT. IN LIEU OF PT (IAF), MAX 6000.					
3.	FAC:	132.31	FAF:	CIBTA	DIST FAF TO MAP:	4.90
4.	MIN ALT:	FAXIB 4100, CIBTA 2800				
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6.	MIN GP INCPT:	GP ALT AT FAF:			OM:	MM:
7.	GP ANGLE:	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:
8.	MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING NA SW OF RWY 13-31.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AQW ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1345 TREE (50-066480) 425330N/0731600W.
CHART CIRCLING ICON.
CIBTA TO RW13: 3.77/45.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1800-2, CAT C 1800-3, 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
LNAV MDA	2540	1 1/4	1722	2540	1 1/2	1722	2540	3	1722		NA				
CIRCLING	2540	1 1/4	1713	2540	1 1/2	1713	2540	3	1713		NA				



CHANGES - REASONS

1. INCREASED LNAV ALL CATS MDA/HAT FROM 2360/1542 TO 2540/1722. - NEW EVALUATION COMPLETED; NEW MISSED APPROACH PENETRATION FOUND.
2. INCREASED CIRCLING ALL CATS MDA/HAA FROM 2360/1533 TO 2540/1713. - CAN NOT BE LOWER THAN THE HIGHEST STRAIGHT-IN MDA.
3. INCREASED TAA STRAIGHT-IN ALTITUDE FROM 4400 TO 4900; STRAIGHT-IN STEPDOWN FROM 4000 TO 4100. – NEW CONTROLLING OBSTACLE; COMMON IAF ALTITUDE BASED ON MISSED APPROACH HOLD/HOLD-IN-LIEU.
4. INCREASED TAA LEFT BASE ALTITUDE FROM 5500 TO 6200; LEFT BASE STEPDOWN FROM 4000 TO 4100. – NEW CONTROLLING OBSTACLE; COMMON IAF ALTITUDE BASED ON MISSED APPROACH HOLD/HOLD-IN-LIEU.
5. INCREASED TAA RIGHT BASE ALTITUDE FROM 4900 TO 5700; STEPDOWN FROM 4000 TO 4100. - NEW CONTROLLING OBSTACLE; COMMON IAF ALTITUDE BASED ON MISSED APPROACH HOLD/HOLD-IN-LIEU.
6. UPDATED INITIAL GADYE TO FAXIB COURSE/DISTANCE FROM 222.22/5.00 TO 222.23/7.00. – INITIAL EXTENDED TO ACCOMMODATE ATC VECTORS.
7. UPDATED INITIAL JOTOV TO FAXIB COURSE/DISTANCE FROM 042.14/5.00 TO 042.13/7.00. – INITIAL EXTENDED TO ACCOMMODATE ATC VECTORS.
8. UPDATED INTERMEDIATE FAXIB TO CIBTA DISTANCE FROM 10.00 TO 9.94. – FAF MOVED TO ACCOMMODATE GPA/TCH 3.77/45.0 AT 2800.
9. UPDATED FINAL CIBTA TO RW13 DISTANCE FROM 4.85 TO 4.90. – FAF MOVED TO ACCOMMODATE GPA/TCH 3.77/45.0 AT 2800.
10. UPDATED MISSED APPROACH CLIMB-TO/HOLDING ALTITUDE FROM 4000 TO 4100. – NEW MISSED APPROACH CONTROLLING OBSTACLE.
11. LINE 2: UPDATED HOLD-IN-LIEU ALTITUDE FROM 4000 TO 4100. – COMMON IAF ALTITUDE BASED ON MISSED APPROACH HOLD/HOLD-IN-LIEU.
12. LINE 3: UPDATED DISTANCE FAF TO MAP/THLD: FROM 4.85 TO 4.90. - FAF MOVED TO ACCOMMODATE GPA/TCH 3.77/45.0 AT 2800.
13. LINE 4: UPDATED MIN ALT FROM “FAXIB 4000, CIBTA 2400” TO “FAXIB 4100, CIBTA 2800.” – IAF/IAF INCREASED; FAF INCREASED TO ALLOW USE OF SECONDARY ALTIMETER.
14. LINE 7: ADDED 20:1 IS NOT CLEAR. – 20:1 PENETRATIONS FOUND.
15. UPDATED CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION FROM “BELOW 3/4 SM” TO “BELOW 1 SM.” – 20:1 PENETRATIONS FOUND.
16. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. – SECONDARY ALTIMETER NOTE PROVIDED.
17. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AQW ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET. - PFAF ALTITUDE INCREASED TO ALLOW USE OF SECONDARY ALTIMETER; CHARTED IAW ATC REQUIREMENT.
18. REMOVED CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. – VISUAL SEGMENT NOTE REMOVED; VDA/TCH CHARTED IAW 8260.19J 8-6-11 O.
19. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - IAW 8260.19J 8-6-10 M(1).
20. UPDATED CHART FAS OBST: FROM “1334 TREE 425329N/0731557W” TO “CHART FAS OBST: 1345 TREE (50-066480) 425330N/0731600W.” – NEW LNAV CONTROLLING OBSTACLE.
21. ADDED ADDITIONAL FLIGHT DATA: CIBTA TO RW13: 3.77/45. - AW 8260.19J 8-6-11 O.
22. ADDED ALTERNATE MINIMUMS: CAT A, B 1800-2, CAT C 1800-3, NA WHEN LOCAL WEATHER NOT AVAILABLE. - IAW 8260.19J 8-6-12B(4).
23. REMOVED CIRCLING RWY 31 NA AT NIGHT NOTE AND REPLACED WITH PROCEDURE NA AT NIGHT - 20:1 PENETRATIONS FOUND ON RUNWAY 13 AND 31.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZBW, ALBANY APP CON, AMGR

FLIGHT CHECKED BY

ERIC L GEYER

Digitally signed by

CASIMIR L TABAKA

Feb 12, 2025

OFFICE

AJF

DATE

02/11/2025

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

CASIMIR L TABAKA

Feb 12, 2025

OFFICE

AJV-A432

DATE

09/25/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Feb 12, 2025

OFFICE

AJV-A430

DATE

TITLE

MANAGER



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
DDH	RNAV (GPS) RWY 13	1	BENNINGTON	VT	827	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 042/30 CW 222/30 **TO** 042/15 CW 222/15

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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	432239.00N/0735815.00W	2874	215	8	4B	2000					4900
TERRAIN	432239.00N/0735815.00W	2673 (2700)								AS1500	4200

COMPUTATIONS

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

SEGMENT REMARKS:

PR: TARGETS IDENTIFIED PRECIPITOUS TERRAIN IN SEGMENT.

STRAIGHT-IN AREA

FROM 042/15 CW 222/15 **TO** FAXIB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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>
TOWER (36-000272)	424708.83N/0733741.56W	1688	20	50	1D	2000				AT412	4100
TERRAIN	431215.00N/0734451.00W	1079 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:



LEFT BASE AREA

FROM

222/30 CW 312/30

TO

222/8 CW 312/8

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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	430512.00N/0725530.00W	4141	215	8	4B	2000					6200
TERRAIN	430512.00N/0725530.00W	3940 (3900)								AS1500	5400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PR: TARGETS IDENTIFIED PRECIPITOUS TERRAIN IN SEGMENT.

LEFT BASE AREA

FROM

222/8 CW 312/8

TO

GADYE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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>
TREE	430403.00N/0731521.00W	2141	215	8	4B	2000				MT-41	4100
TERRAIN	430421.00N/0731803.00W	1466 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

312/30 CW 042/30

TO

312/10 CW 042/10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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	423815.00N/0730957.00W	3691	215	8	4B	2000					5700
TERRAIN	423815.00N/0730957.00W	3490 (3500)								AS1500	5000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PR: TARGETS IDENTIFIED PRECIPITOUS TERRAIN IN SEGMENT.

RIGHT BASE AREA

FROM

312/10 CW 042/10

TO

JOTOV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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	424736.00N/0732451.00W	1966	215	8	4B	2000				AT134	4100
TERRAIN	424730.00N/0732745.00W	1614 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

GADYE

TO

FAXIB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<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	430112.00N/0733124.00W	1611	215	8	4B	1000				AT1489	4100
TERRAIN	430112.00N/0733124.00W	1410 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

JOTOV

TO

FAXIB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<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	430012.00N/0733121.00W	1329	215	8	4B	1000				AT1771	4100
TERRAIN	425845.00N/0733212.00W	843 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

FAXIB (IF/IAF)

TO

CIBTA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	9.94										
<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	430112.00N/0733124.00W	1611	215	8	4B	500				AT689	2800
TERRAIN	430112.00N/0733124.00W	1410 (1400)								AS1000	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

CIBTA

TO

RW13

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.90		RW13		1722						
<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 (50-066480)	425330.10N/0731559.65W	1345	20	3	1A	250				MA940	2540

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

FAXIB

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	430112.00N/0733124.00W	1611	215	8	4B	1000				AT1489	4100
TERRAIN	430112.00N/0733124.00W	1410 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW13

TO

FAXIB

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 2440				
<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	425530.00N/0730851.00W	2966	215	8	4B		ASC				4100
AAO	425533.00N/0730848.00W	2973				1000				PR110	4100
TERRAIN	425533.00N/0730848.00W	2772 (2800)								AS1000	3800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

DDH

PROCEDURE NAME

RNAV (GPS) RWY 13

AMDT NO.

1

CITY

BENNINGTON

STATE

VT

AIRPORT ELEVATION

827

FACILITY

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											
MONUMENT (50-000045)	425321.00N/0731256.00W	1.31	1713	1179	20	50	1D	300		SI/AC50	2540
CATEGORY B											
MONUMENT (50-000045)	425321.00N/0731256.00W	1.85	1713	1179	20	50	1D	300		SI/AC50	2540
CATEGORY C											
TREE (50-065414)	425425.01N/0731822.17W	2.92	1713	1255	20	3	1A	300		SI	2540

CIRCLING REMARKS:

MSA/ESA

CENTERRADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT: 100FT PER FPT.

LNAV/VNAV/LPV NOT DEVELOPED DUE TO GQS PENETRATIONS

INTERMEDIATE SEGMENT DESIGNED FOR LNAV/VNAV DESCENT GRADIENT REQUIREMENTS (160 FT PER NM) FOR FUTURE APPLICATION

210 KIAS SPEED RESTRICTION ADDED TO MA FOR OBSTACLE AVOIDANCE AND IN LIEU OF CLIMB GRADIENT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZBW ARTCC, ALB APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	DDH	24	DDH	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	AQW	24	AQW	12.17	Y	53

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KDDH 827, KAQW 654
RA = 52.2.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>	
RW31 - MIRL (PCL), REIL (PCL), PAPI-4R (PCL)	BSC-F		
RW13 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-F		

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					4.00	45.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 31
20:1	
870 TREE (50-064716) 425316.0400N/0731419.8900W (26.35)	858 TRANSMISSION_LINE (50-020197) 425316.1200N/0731421.6600W (20.34)
858 POLE (50-021369) 425316.1200N/0731421.6600W (20.34)	924 TREE (50-067928) 425315.1400N/0731401.9600W (19.47)
872 TREE (50-065630) 425315.9500N/0731417.2100W (19.36)	855 POLE (50-066754) 425316.4700N/0731421.6500W (18.15)
866 TREE (50-064763) 425316.5600N/0731418.1400W (17.87)	908 TREE (50-064899) 425314.6100N/0731406.5500W (17.23)
947 TREE (50-066513) 425313.8800N/0731355.1600W (17.17)	859 TREE (50-068059) 425315.5300N/0731420.6000W (16.45)



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DDH		RNAV (GPS) RWY 13	1	BENNINGTON	VT	827	RNAV
892 TREE (50-069223) 425315.9500N/0731410.0300W (15.85)				866 TREE (50-066903) 425315.0700N/0731418.6000W (15.79)			
865 TREE (50-064409) 425315.9600N/0731418.0400W (15.1)				913 TREE (50-064374) 425314.6700N/0731404.2700W (14.9)			
848 TERRAIN (50-064077) 425320.2200N/0731419.2100W (12.18)				916 TREE (50-068899) 425314.2400N/0731402.7200W (11.79)			
857 TREE (50-064478) 425316.3900N/0731419.0600W (11.48)				858 TREE (50-066753) 425315.6800N/0731419.1200W (10.96)			
858 TREE (50-065954) 425315.2500N/0731419.4000W (10.85)				906 TREE (50-067346) 425314.1300N/0731405.5400W (10.76)			
866 TREE (50-066222) 425315.6300N/0731416.6500W (10.76)				893 TREE (50-064161) 425315.3200N/0731408.3200W (9.73)			
879 TREE (50-068696) 425315.5900N/0731411.9800W (8.37)				915 TREE (50-064857) 425313.8200N/0731402.1100W (7.78)			
847 TRAVERSE_WAY (50-066637) 425316.4400N/0731420.8200W (7.36)				878 TREE (50-069180) 425316.1800N/0731411.4400W (7.02)			
861 TREE (50-064097) 425316.6100N/0731416.1800W (6.57)				838 TERRAIN (50-065781) 425320.1900N/0731420.5700W (6.57)			
846 TERRAIN (50-065439) 425319.6800N/0731418.2700W (5.81)				849 TRAVERSE_WAY (50-069005) 425316.6400N/0731419.5800W (5.78)			
871 TREE (50-064174) 425313.8200N/0731414.9000W (5.67)				920 TREE (50-066896) 425314.8900N/0731359.0100W (5.21)			
898 TREE (50-068580) 425315.3200N/0731405.3900W (5.14)				911 TREE (50-065738) 425312.9900N/0731403.0100W (4.73)			
886 TREE (50-065370) 425317.0000N/0731407.6800W (4.68)				867 TREE (50-067841) 425314.7600N/0731415.0400W (4.39)			
860 TREE (50-065685) 425315.0400N/0731416.9600W (4.35)				860 TREE (50-066312) 425318.4800N/0731414.4000W (4.25)			
841 FENCE (50-064031) 425316.8300N/0731421.2800W (3.81)				850 TRAVERSE_WAY (50-064670) 425316.7900N/0731418.3100W (2.98)			
887 TREE (50-064223) 425314.1100N/0731408.9800W (2.98)				856 TREE (50-069091) 425315.0500N/0731417.7500W (2.96)			
839 TERRAIN (50-064308) 425318.4700N/0731420.4200W (2.94)				846 TERRAIN (50-067438) 425318.8100N/0731418.0300W (2.93)			
840 TERRAIN (50-065293) 425319.1600N/0731419.5500W (2.75)				842 TREE (50-065784) 425316.1000N/0731421.1200W (2.52)			
900 TREE (50-066696) 425315.3200N/0731403.9500W (2.42)				844 FENCE (50-068027) 425317.0700N/0731419.7600W (2.41)			
840 TERRAIN (50-068788) 425317.5600N/0731420.5900W (2.3)				833 TERRAIN (50-066938) 425317.7000N/0731422.5900W (2.19)			
842 TERRAIN (50-067734) 425317.9500N/0731419.6000W (2)				932 TREE (50-068907) 425312.4300N/0731356.1700W (1.99)			
835 TERRAIN (50-021368) 425317.9300N/0731421.6600W (1.7)				860 TREE (50-068377) 425315.6100N/0731415.6100W (1.3)			
902 TREE (50-069036) 425312.9900N/0731404.6900W (1.24)				834 TERRAIN (50-068157) 425319.1500N/0731420.9200W (1.21)			
883 TREE (50-065201) 425316.3600N/0731407.9200W (0.92)				846 FENCE (50-068403) 425317.2700N/0731418.4000W (0.43)			
857 TREE (50-068705) 425317.4100N/0731414.9000W (0.31)				834 FENCE (50-067272) 425316.5900N/0731422.4900W (0.19)			
FINAL TYPE	LNAV						
34:1							
985 TREE (50-066973) 425350.9500N/0731601.3200W (77.52)				981 TREE (50-065112) 425350.4400N/0731602.6300W (71.72)			
974 TREE (50-065707) 425351.4500N/0731559.1300W (70.03)				971 TREE (50-021394) 425351.1100N/0731558.3000W (69.11)			
966 TREE (50-066874) 425352.7600N/0731555.5200W (67.14)				964 TREE (50-064520) 425351.2400N/0731556.0500W (66.27)			
959 TREE (50-066809) 425352.0000N/0731553.2500W (65.58)				962 TREE (50-066601) 425353.0200N/0731554.0900W (65.52)			
956 TREE (50-064347) 425352.3400N/0731551.6200W (65.24)				949 TREE (50-067021) 425352.9500N/0731548.1500W (64.06)			
966 TREE (50-068012) 425352.1300N/0731557.6200W (63.98)				964 TREE (50-064176) 425352.1400N/0731556.6300W (63.87)			
949 TREE (50-068218) 425353.9300N/0731548.2400W (62.5)				951 TREE (50-066679) 425353.8400N/0731550.1100W (61.03)			
934 TREE (50-068890) 425350.5300N/0731545.7500W (57.11)				938 TREE (50-069082) 425351.6200N/0731547.1700W (56.83)			

QUALITY
8
CHECKED

<u>AIRPORT ID</u> DDH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> 1	<u>CITY</u> BENNINGTON	<u>STATE</u> VT	<u>AIRPORT ELEVATION</u> 827	<u>FACILITY</u> RNAV
950 TREE (50-064364) 425353.5200N/0731552.5500W (55.78)			932 TREE (50-065855) 425351.4700N/0731545.4200W (54.42)			
929 TREE (50-064828) 425351.1900N/0731544.1100W (54.34)			933 TREE (50-067275) 425352.4900N/0731545.7200W (53.4)			
946 TREE (50-066806) 425354.4400N/0731551.5200W (52.46)			939 TREE (50-065078) 425352.7700N/0731550.0500W (50.66)			
947 TREE (50-066685) 425355.0000N/0731553.0000W (49.82)			933 TREE (50-065208) 425353.8700N/0731546.9500W (49.07)			
941 TREE (50-065773) 425354.9000N/0731550.4800W (48.82)			929 TREE (50-067731) 425353.8600N/0731545.8600W (47.19)			
916 TREE (50-064456) 425350.0700N/0731543.5700W (43.96)			943 TREE (50-064564) 425354.4100N/0731554.5200W (43.73)			
948 TREE (50-067879) 425352.6100N/0731558.6600W (43.3)			945 TREE (50-066575) 425353.7400N/0731556.4900W (42.88)			
929 TREE (50-065897) 425355.0500N/0731547.8800W (41.61)			909 TREE (50-067339) 425348.7200N/0731542.1800W (41.55)			
933 TREE (50-068569) 425355.6100N/0731549.6200W (41.47)			901 TREE (50-064901) 425346.2200N/0731540.4200W (40.48)			
934 TREE (50-067005) 425355.9400N/0731550.9600W (39.42)			915 TREE (50-067591) 425352.4500N/0731543.9000W (38.96)			
899 TREE (50-067878) 425347.1800N/0731540.6500W (36.68)			891 TREE (50-068983) 425344.8200N/0731539.0400W (35.12)			
912 TREE (50-065529) 425353.6500N/0731544.2200W (33.64)			891 TREE (50-064325) 425345.9400N/0731539.2100W (33.2)			
916 TREE (50-067584) 425355.4200N/0731546.2800W (31.17)			904 TREE (50-064108) 425352.0400N/0731542.7400W (30.77)			
901 TREE (50-064602) 425351.2700N/0731542.0100W (30.27)			919 TREE (50-064571) 425356.2800N/0731547.6800W (30.26)			
911 TREE (50-066653) 425354.9800N/0731544.6100W (30.01)			881 TREE (50-068178) 425344.1400N/0731537.1600W (29.7)			
919 TREE (50-066491) 425356.6800N/0731548.8200W (27.5)			882 TREE (50-069043) 425345.8000N/0731537.9000W (26.93)			
868 TREE (50-067918) 425342.4800N/0731533.3700W (26.35)			1243 TREE (50-067132) 425426.4400N/0731816.8700W (24.2)			
897 TREE (50-068650) 425353.3700N/0731541.8300W (23.64)			891 TREE (50-065622) 425349.8100N/0731541.5500W (23.22)			
875 TREE (50-065180) 425344.9800N/0731537.0400W (22.74)			887 TREE (50-068335) 425349.0200N/0731540.3800W (22.59)			
888 TREE (50-067754) 425350.3500N/0731540.4300W (21.61)			865 TREE (50-064775) 425345.9400N/0731531.7400W (21.59)			
899 TREE (50-066326) 425354.4200N/0731543.1900W (21.54)			939 TREE (50-067338) 425355.3300N/0731603.3500W (21.42)			
931 TREE (50-064859) 425351.9100N/0731601.9500W (20.95)			879 TREE (50-064304) 425347.1700N/0731538.6700W (20.5)			
866 TREE (50-064041) 425345.2500N/0731533.3500W (20.47)			900 TREE (50-067673) 425355.9600N/0731543.3500W (20.05)			
865 TREE (50-067726) 425347.2700N/0731531.8100W (19.58)			938 TREE (50-069065) 425355.0000N/0731604.2000W (19.25)			
867 TREE (50-063986) 425344.5500N/0731535.1300W (19.03)			864 TREE (50-064634) 425343.3300N/0731534.5600W (18.85)			
934 TREE (50-067351) 425356.5000N/0731601.2700W (18.77)			894 TREE (50-068638) 425354.9300N/0731541.8400W (18.42)			
854 TREE (50-066214) 425341.7800N/0731531.4700W (17)			863 TREE (50-068355) 425346.9400N/0731533.1200W (15.52)			
853 TREE (50-066718) 425342.7900N/0731531.2600W (14.98)			935 TREE (50-065175) 425354.1700N/0731605.8300W (14.28)			
931 TREE (50-068686) 425355.8300N/0731602.5600W (14.23)			902 TERRAIN (50-064924) 425347.6500N/0731553.7200W (13.83)			
881 TREE (50-066690) 425351.3700N/0731540.3000W (13.42)			920 TREE (50-067929) 425352.7500N/0731559.9100W (12.69)			
884 TREE (50-068357) 425352.4300N/0731541.4600W (12.69)			853 TREE (50-066998) 425346.7000N/0731529.7400W (12.37)			
865 TREE (50-065975) 425347.0000N/0731535.8900W (12.1)			1219 TREE (50-065732) 425424.5000N/0731812.4300W (11.5)			
934 TREE (50-065723) 425354.1400N/0731606.7900W (11.47)			922 TREE (50-065129) 425350.4700N/0731603.8500W (10.33)			
901 TREE (50-065295) 425357.7600N/0731547.6200W (10.28)			892 TREE (50-064402) 425357.5400N/0731543.6700W (9.2)			
931 TREE (50-064062) 425354.9100N/0731606.3100W (8.31)			847 TREE (50-063960) 425343.6600N/0731531.1100W (8.03)			

QUALITY
8
CHECKED

AIRPORT ID DDH	PROCEDURE NAME RNAV (GPS) RWY 13	AMDT NO. 1	CITY BENNINGTON	STATE VT	AIRPORT ELEVATION 827	FACILITY RNAV
848 TREE (50-064120) 425344.5100N/0731531.0900W (7.87)			856 TREE (50-066059) 425346.0300N/0731534.1900W (7.75)			
1192 TREE (50-067604) 425424.5100N/0731800.4400W (7.58)			879 TREE (50-064126) 425353.8300N/0731540.6600W (7.25)			
891 TREE (50-065215) 425356.4100N/0731545.0600W (7.12)			1201 TREE (50-067225) 425425.2400N/0731804.8700W (7.02)			
852 TREE (50-068413) 425344.5400N/0731533.6400W (6.91)			884 TREE (50-068522) 425356.7200N/0731541.4400W (6.66)			
908 VEGETATION (50-066421) 425350.2400N/0731558.6900W (6.59)			902 VEGETATION (50-065001) 425350.0200N/0731556.6900W (4.76)			
1174 TREE (50-065137) 425421.0800N/0731755.1500W (4.62)			847 TREE (50-066098) 425344.0700N/0731532.6700W (4.45)			
860 TREE (50-069252) 425346.9600N/0731537.5600W (3.94)			897 TREE (50-064264) 425357.6700N/0731549.2800W (3.21)			
922 TREE (50-067489) 425356.4600N/0731603.2200W (3.07)			801 TREE (50-067474) 425337.6400N/0731514.4600W (2.63)			
808 TREE (50-066279) 425339.6500N/0731516.9800W (1.93)			852 TREE (50-065745) 425346.8300N/0731534.6000W (1.83)			
923 TREE (50-065219) 425353.2300N/0731606.9600W (1.43)			804 TREE (50-065868) 425338.2600N/0731516.3100W (1.19)			
871 TREE (50-064898) 425354.6000N/0731539.4100W (0.57)			905 TREE (50-068628) 425400.0500N/0731553.1600W (0.37)			
802 TREE (50-068207) 425338.2400N/0731515.7900W (0.22)			844 TREE (50-065881) 425347.6200N/0731530.8000W (0.03)			
FINAL TYPE	LNAV AND CIRCLING RWY 13					
20:1						
925 TREE (50-021390) 425347.2000N/0731544.3200W (2.36)			817 TREE (50-034204) 425339.4000N/0731517.1900W (1.97)			
801 TREE (50-067082) 425337.5600N/0731514.1500W (0.35)			949 TREE (50-068657) 425352.0300N/0731548.7500W (0.24)			
PENETRATIONS REMARKS:						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.
APPROVAL LETTER: TO ESTABLISH A GPA (3.77) LESS THAN THE VGSI ANGLE (4.00) INSTALLED TO SAME RUNWAY.
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	3.23
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	118.31
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	9.04
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	118.18
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1400

THRESHOLD COORDINATES (IF STR-IN)	425337.48N/0731508.94W
ARP COORDINATES	425328.79N/0731447.05W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 13 DISTANCE 0.30 NM
FAF COORDINATES	425557.06N/0732100.99W
FIX NAME COORDINATES	IF/IAF FAXIB 430039.28N/0733256.30W, IAF GADYE 430649.50N/0732825.51W, IAF JOTOV 425428.88N/0733726.19W

REMARKS

TAA STRAIGHT-IN: 042/30 CW 222/30 TO 042/15 CW 222/15; 042/15 CW 222/15 TO FAXIB
TAA LEFT BASE: 222/30 CW 312/30 TO 222/8 CW 312/8; 222/8 CW 312/8 TO GADYE
TAA RIGHT BASE: 312/30 CW 042/30 TO 312/10 CW 042/10; 312/10 CW 042/10 TO JOTOV
IF/IAF FAXIB: 430039.28N/0733256.30W, IAF GADYE: 430649.50N/0732825.51W, IAF JOTOV: 425428.88N/0733726.19W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (BARBARA GORMAN)	AJV-A432	09/25/2024	AERONAUTICAL INFORMATION SPECIALIST

