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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
132	132	RNAV (GPS) Z RWY 11	3	12/02/2021	16W	1995

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

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 023/30 CW 203/30	NOPT	023/4 CW 203/4		4000
2. 023/4 CW 203/4		ZELKA	IF/IAF	1900
3. 203/30 CW 293/30		203/4 CW 293/4		2500
4. 203/4 CW 293/4		HIDRI	IAF	1900
5. 293/30 CW 023/30		293/4 CW 023/4		2500
6. 293/4 CW 023/4		ZELKA	IF/IAF	1900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HIDRI	IAF	ZELKA	NOPT	TF	FB	1.00	202.97	6.00	1900
ZELKA	IF/IAF	JOPVU		TF	FB	1.00	112.96	6.24	1800
JOPVU	FAF	SUVVO/2.20 NM TO RW11		TF	FB	0.30	113.05	2.88	
SUVVO/2.20 NM TO RW11		RW11	MAP	TF	FO	0.30	113.05	2.20	
RW11	MAP	1000 MSL		CA			113.05		1000
1000 MSL		ZIMOT		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT ZIMOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD NW ZELKA, LT, 112.96 INBOUND, 1900 IN LIEU OF PT (IF/IAF), MAX 6000.
3. **FAC:** 113.05 **FAF:** JOPVU **DIST FAF TO MAP:** 5.08 **DIST FAF TO THLD:** 5.08
4. **MIN ALT:** ZELKA 1900, JOPVU 1800, SUVVO/2.20 NM TO RW11 880
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **252 HAT:** 0.63 **GS ANT:**
6. **MIN GP INCPT:** 1800 **GP ALT AT PFAF:** JOPVU 1800 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 50.3
8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE ALL LNAV/VNAV CATS VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 223.97 INBOUND.
CHART FAS OBST: 402 TREE (25-039968) 422852N/0712048W.
CHART R-4102 A/B.
CHART VDP AT 1.45 NM TO RW11.
WAAS CHANNEL # 87000
REFERENCE PATH ID: W11A
LTP HAE: 12.4 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, 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	384	2400	252	384	2400	252	384	2400	252	384	2400	252			
LNAV/VNAV DA	474	3000	342	474	3000	342	474	3000	342	474	3000	342			
LNAV MDA	660	2400	528	660	2400	528	660	5500	528	660	5500	528			
CIRCLING	720	1	588	720	1	588	880	2 1/4	748	920	2 1/2	788			

CHANGES - REASONS

1. REMOVED "Z" SUFFIX FROM PROCEDURE NAME. - NO LONGER REQUIRED; RNAV (RNP) Y RWY 11 CANCELLED.
2. REMOVED ADDITIONAL FLIGHT DATA: CHART WANLA. - NO LONGER TIES TO DREEM (RNAV) STAR.
3. REMOVED CHART CIRCLING ICON. - NO LONGER REQUIRED PER MEMORANDUM DATED 5/15/2025 SUBJECT: REMOVAL OF CIRCLING ICONS.
4. FAS DATA: UPDATED CRC REMAINDER FROM 16A29590 TO 605BF5AC. - ROUTE INDICATOR REMOVED.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [ ] **APA** [X] **HAI** [ ] **NBAA** [X] **OTHER:** ZBW, BOS APP CON, BED ATCT, BED AMGR

FLIGHT CHECKED BY		OFFICE	DATE
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION	*Digitally signed by* ***CASIMIR L TABAKA*** Jun 13, 2025		
DEVELOPED BY CASIMIR L. TABAKA (BARBARA GORMAN)	*Digitally signed by* ***CASIMIR L TABAKA*** Jun 13, 2025	**OFFICE** AJV-A432	**DATE** 05/19/2025
APPROVED BY CASIMIR L. TABAKA	*Digitally signed by* ***CASIMIR L TABAKA*** Jun 13, 2025	**OFFICE** AJV-A430	**DATE** **TITLE** MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBED
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	422818.5650N
LTP/FTP LONGITUDE	0711801.2345W
LTP/FTP ELLIPSOIDAL HEIGHT	+00124
FPAP LATITUDE	422807.4900N
FPAP LONGITUDE	0711601.7700W
THRESHOLD CROSSING HEIGHT (TCH)	00050.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	605BF5AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00402
FPAP ORTHOMETRIC HEIGHT	+00402

QUALITY 29 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
023/30 CW 203/30

TO
023/4 CW 203/4

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

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425106.00N/0725027.00W	1943	164	98	4E	2000					4000
TERRAIN	425142.00N/0715242.00W	2280 (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
023/4 CW 203/4

TO
ZELKA

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

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	423018.00N/0713330.00W	850	164	98	4E	1000					1900
TERRAIN	422709.00N/0713642.00W	689 (700)								AS1000	1700

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

LEFT BASE AREA

FROM
203/30 CW 293/30

TO
203/4 CW 293/4

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	430530.00N/0712118.00W	1152	164	98	4E	1000				AT348	2500
TERRAIN	430345.00N/0711906.00W	748 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM
203/4 CW 293/4

TO
HIDRI

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	423018.00N/0713330.00W	850	164	98	4E	1000					1900
TERRAIN	423157.00N/0713142.00W	544 (500)								AS1000	1500

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

RIGHT BASE AREA

FROM
293/30 CW 023/30

TO
293/4 CW 023/4

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (25-000619)	422302.73N/0712935.33W	1462	50	3	2A	1000					2500
TERRAIN	421242.00N/0710651.00W	639 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
293/4 CW 023/4

TO
ZELKA

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	423018.00N/0713330.00W	850	164	98	4E	1000					1900
TERRAIN	422709.00N/0713642.00W	688 (700)								AS1000	1700

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

INITIAL

FROM	TO
HIDRI	ZELKA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	423018.00N/0713330.00W	850	164	98	4E	1000					1900
TERRAIN	423018.00N/0713330.00W	649 (600)								AS1000	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
ZELKA (IF/IAF)	JOPVU

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.24				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	423018.00N/0713330.00W	850	164	98	4E	500				AC98 AT352	1800
TERRAIN	423103.00N/0713251.00W	623 (600)								AS1000	1600

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

FINAL: LPV

FROM	TO
JOPVU	RW11

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.08		DA	252	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (25-020219)	422812.73N/0711817.14W	240	20	3	1A		34.00:1				384

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM	TO
JOPVU	RW11

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.08		DA	342	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (25-040109)	422807.32N/0711818.83W	303	20	10	1B		23.86:1				474

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM	TO
JOPVU	SUVVO/2.20 NM TO RW11

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.88				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	422840.32N/0712341.79W	574	50	20	2C	250				RA49	880

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

FINAL: LNAV STEPDOWN

FROM	TO
SUVVO/2.20 NM TO RW11	RW11

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.20		RW11	528	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (25-039968)	422852.10N/0712048.43W	402	20	3	1A	250					660

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	TO
ZELKA	P-4

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-4			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	422709.00N/0713642.00W	889	164	98	4E	1000					1900
TERRAIN	422709.00N/0713642.00W	688 (700)								AS1000	1700

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

MISSED APPROACH: LPV

FROM	TO
DA	ZIMOT

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30					195

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (25-000611)	423914.00N/0711300.00W	807	250	50	4D	1000					1900
TERRAIN	422709.00N/0711315.00W	406 (400)								AS1500	1900

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	TO
DA	ZIMOT

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30					313

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (25-000611)	423914.00N/0711300.00W	807	250	50	4D	1000					1900
TERRAIN	422709.00N/0711315.00W	406 (400)								AS1500	1900

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
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	RNAV

MISSED APPROACH: LNAV

FROM	TO
RW11	ZIMOT

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					560

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (25-000611)	423914.00N/0711300.00W	807	250	50	4D	1000					1900
TERRAIN	422709.00N/0711315.00W	406 (400)								AS1500	1900

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											
ANTENNA (25-034382)	422724.08N/0711559.43W	1.30	588	414	20	10	1B	300			720
CATEGORY B											
TREE (25-051223)	422603.61N/0711810.45W	1.81	588	420	20	10	1B	300			720
CATEGORY C											
TOWER (25-022505)	422923.66N/0711312.00W	2.84	748	566	20	3	1A	300			880
CATEGORY D											
AAO	422424.57N/0711646.44W	3.71	788	580	50	20	2C	300		XP40	920

CIRCLING REMARKS:

XP: TO RETAIN CURRENT MINIMUMS.

MSA/ESA

CENTER	RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZBW ARTCC, BOS APP CON, BED TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	BED	24	BED		Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	BOS	24	BOS	14.08	Y	49

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KBED 132, KBOS 19.1
RA = 48.12.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW23 - MIRL (PCL), REIL (PCL), PAPI-4R	NPI-G	
RW11 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH
RW29 - MALSR (PCL), HIRL (PCL), PAPI-4R	PIR-G	ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	132.0	50.3			3.00	67.0

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
-19C	+54C	-19C	+14.74C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2016-2020).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.

"VISUAL PORTION OF FINAL" PENETRATIONS

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BED	RNAV (GPS) RWY 11	3A	BEDFORD	MA	132	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.

INITIAL SEGMENT LENGTH BETWEEN HIDRI AND ZELKA MANUALLY EVALUATED USING PBN CALCULATOR FORMULA B AND 25 DEGREE BANK ANGLE.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOS ALTIMETER SETTING AND INCREASE LPV DA TO 433 FEET, LNAV/VNAV DA TO 523 FEET AND ALL MDAS 60 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 3500, INCREASE LNAV CATS C AND D AND CIRCLING CAT D VISIBILITY 1/4 SM.
FOR INOPERATIVE ALS WHEN USING BOS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500.
BARO-VNAV AND VDP NA WITH BOS 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**	3.82
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	097.50
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	400
DISTANCE FROM	THLD	**TO 1500FT POINT**	11.32
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	400.00
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	096.96
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	600

THRESHOLD COORDINATES (IF STR-IN)	422818.57N/0711801.23W
ARP COORDINATES	422811.80N/0711720.40W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 29 DISTANCE 0.64 NM
FAF COORDINATES	422856.21N/0712449.96W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (BARBARA GORMAN)	AJV-A432	05/19/2025	AERONAUTICAL INFORMATION SPECIALIST