

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HATH, 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 in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 DIRECT WAKBI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 021.00 INBOUND. CHART FAS OBST: 275 WTR TWR 423445N/0705238W FAS OBST: 357 AAO 423600N/0704927W DISTANCE TO THLD FROM 347 HAT: 0.84 NM. WAAS CHANNEL # 99731 REFERENCE PATH ID: W27A CHART CIRCLING ICON. LTP HAE: .8 M						
SNOOH (IF/IAF)		VOVCU (FB)		270.45 / 6.67				1800								
VOVCU (FAF)		MIAOU/1.50 NM TO RW27 (FB)		270.35 / 3.32												
MIAOU/1.50 NM TO RW27		RW27 (MAP) (FO)		270.35 / 1.50												
RW27 (MAP)		700 MSL		270.35				700								
700 MSL		WAKBI (FO)						2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E SNOOH, LT, 270.45 INBOUND, 1800 FT. IN LIEU OF PT (IAF) 3. FAC: 270.35 FAF: VOVCU DIST FAF TO MAP: 4.82 THLD: 4.82 4. MIN. ALT: SNOOH 1800, VOVCU 1800, MIAOU/1.50 NM TO RW27 660* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: VOVCU 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.22 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW27 2500										MAG VAR: 16W EPOCH YEAR: 1985						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HATH/HAA	DH/MDA	VIS	HATH/HAA	DH/MDA	VIS	HATH/HAA	DH/MDA	VIS	HATH/HAA	DH/MDA	VIS	HATH/HAA
LPV DA		444	1	353	444	1	353	444	1	353		NA				
LNAV/VNAV DA		438	1	347	438	1	347	438	1	347		NA				
LNAV MDA		540	1	449	540	1	449	540	1 3/8	449	540	1 3/8	449			
CIRCLING		600	1	493	600	1	493	820	2	713	880	2 1/2	773			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING LAWRENCE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE BEVERLY, MA		ELEVATION: 107 THRE: 91 AIRPORT NAME: BEVERLY RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1						SUP: 4 AMDT: CHECKED DATED 03/07/2013				

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> KBOS APP CON, APT MGR</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
MIKE MELSSEN				AJV-5412	05/10/2016
APPROVED BY					
NAME:				FIFO	DATE:
MARLON J. ROBINSON				AJV-5410	
CHANGES:					
<p>1. CHANGED ALTIMETER SETTING NOTE FROM: "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCE ALTIMETER SETTING AND INCREASE ALL DA 34 FT AND ALL MDA 40 FT; INCREASE LPV AND LNAV/VNAV ALL CATS, CIRCLING CAT C AND LNAV CAT C AND D VISIBILITY 1/8 MILE" TO: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCE ALTIMETER SETTING: INCREASE LPV DA TO 478 AND LNAV/VNAV DA TO 472 AND ALL MDA 40 FEET; INCREASE LPV ALL CATS VISIBILITY AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, AND INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 SM.</p> <p>2. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.</p> <p>3. CHANGED BARO-VNAV SYSTEMS NOTE FROM: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F)" TO: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F)".</p> <p>4. CHANGED IF/IAF FIX NAME FROM ODMUE TO SNOOH.</p> <p>5. CHANGED DISTANCE FROM IF/IAF TO PFAF FROM 6.63 TO 6.67 NM.</p> <p>6. CHANGED DISTANCE FROM PFAF TO MAP FROM 4.86 TO 4.82 NM.</p> <p>7. CHANGED GP/TCH FROM 3.20/58 TO 3.22/60.</p> <p>8. CHANGED LPV DA/HATH FROM 441 350 TO 444 353.</p> <p>9. CHANGED CIRCLING MDA/VISIBILITY/HAA FROM: (CAT C) 620 1 1/2 513 TO 820 2 713; (CAT D) 700 2 593 TO 880 2 1/2 773.</p> <p>10. CHANGED DISTANCE TO THLD FROM 350 HATH: 0.86NM TO DISTANCE TO THLD FROM 347 HAT: 0.84 NM.</p> <p>(SEE FORM 8260-10)</p>					
REASONS:					
<p>1. IAW 8260.19G PARA 8-6-5L1(A).</p> <p>2. IAW 8260.19G PARA 8-6-8W.</p> <p>3. 5-YEAR ACT USED: 2011-2015. PREVIOUSLY USED 2007-2011. ACT CURRENTLY -21C; PREVIOUSLY -16C.</p> <p>4. PER ZBW ARTCC, TOO MANY SIMILAR SOUNDING FIXES IN THE VICINITY.</p> <p>5. PFAF MOVED TO IPDS GENERATED PFAF LOCATION.</p> <p>6. PFAF MOVED 224 FEET WEST TO IPDS GENERATED LOCATION.</p> <p>7. TO CLEAR GQS PENETRATIONS.</p> <p>8,9. NEW OBSTACLE EVALUATION.</p> <p>10. LPV HAT INCREASED FROM 441 TO 453.</p> <p>11,12. PER IPDS PROCEDURE BUILD REPORT.</p> <p>13. CALCULATED VALUE FROM FAS DATA.</p> <p>14. ADDED STEPDOWN FIX MIAOU.</p> <p>15. IAW 8260.19G PARA 8-6-5M2(C).</p> <p>16. 20:1 PENETRATIONS EXIST TO RWY 9, 27.</p>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: RADAR REQUIRED.

***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCE ALTIMETER SETTING: INCREASE LPV DA TO 478 AND LNAV/VNAV DA TO 472 AND ALL MDA 40 FEET; INCREASE LPV ALL CATS VISIBILITY AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, AND INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 SM.

CHART NOTE: STRAIGHT-IN RWY 27 NA AT NIGHT.

CHART NOTE: CIRCLING RWY 9, 27 NA AT NIGHT.

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE

BEVERLY, MA

ELEVATION: 107

THRE: 91

AIRPORT NAME:

BEVERLY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1

SUP: **4**

AMDT: **ORIG**

DATED: **03/07/2013**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>11. CHANGED LTP LATITUDE/LONGITUDE FROM 423459.1400N/0705431.1500W TO 423459.1380N/0705431.1590W.</div> <div>12. CHANGED FPAP LATITUDE/LONGITUDE FROM 423434.9800N/0705627.2300W TO 423434.9745N/0705627.2445W.</div> <div>13 CHANGED CRC REMAINDER FROM 6CC728D3 TO EA630357.</div> <div>14. LOWERED LNAV MINIMUMS FROM: (CAT A/B) 620 1 529 TO 540 1 449; (CAT C/D) 620 1-1/2 529 TO 540 1-3/8 449.</div> <div>15. CHANGED NIGHT LANDING NOTE FROM: "CHART NOTE: NIGHT LANDING: RWY 9, 27 NA" TO "STRAIGHT-IN RWY 27 NA AT NIGHT".</div> <div>16 ADDED "CHART NOTE: CIRCLING RWY 9, 27 NA AT NIGHT".</div>					
REASONS:					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBVY
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	423459.1375N
LTP/FTP LONGITUDE	0705431.1590W
LTP/FTP ELLIPSOIDAL HEIGHT	+00008
FPAP LATITUDE	423434.9745N
FPAP LONGITUDE	0705627.2445W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.22
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 EA630357

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00278
FPAP ORTHOMETRIC HEIGHT	+00278

CITY AND STATE

BEVERLY, MA

ELEVATION: 107

THRE: 91

AIRPORT NAME:

BEVERLY RGNL

FACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1

SUP: 4

AMDT: ORIG

DATED: 03/07/2013

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>					
COORDINATED WITH:					
<div>ATA</div> <div><input type="checkbox"/></div>		<div>AAT</div> <div><input type="checkbox"/></div>		<div>ALPA</div> <div><input type="checkbox"/></div>	
		<div>APA</div> <div><input type="checkbox"/></div>		<div>AOPA</div> <div><input type="checkbox"/></div>	
		<div>NBAA</div> <div><input type="checkbox"/></div>		<div>OTHER (specify)</div> <div><input type="checkbox"/></div> <div></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



ARINC SUMMARY - KBVY

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SNOOH	010	SNOOH	HF	FO		270.5			L			AA 01800		EE A
	010	SNOOH	IF	FB								AA 01800		E I
	020	VOVCU	TF	FB	1.0	270.5				RW27		AA 01800		E F
	021	MIAOU	TF	FB	0.3	270.4		3.22				AA 00660 GS 00664		E S
	030	RW27	TF	FO	0.3	270.4		3.22				AT 00151		GY M
	040		CA	FB		270.4						AA 00700		M
	050	WAKBI	DF	FO					R			AA 02000		EY
	060	WAKBI	HM	FO		021.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MIAOU	N423523.51	W0705233.88
SNOOH	N423805.00	W0703932.11
VOVCU	N423617.40	W0704813.95
WAKBI	N424740.16	W0705159.16

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N423459.14	W0705431.16	00091	60

CITY AND STATE BEVERLY, MA	ELEVATION: 107 TDZE: 91 AIRPORT NAME: BEVERLY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1	SUP: 4 AMDT: 03/07/2013 DATED: 03/07/2013

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL		ROC		ALT. ADJUSTMENTS		MIN. ALT.			
INTERMEDIATE		SNOOH (IF/IAF)		VOVCU		1. WINDMILL		423741.53N/0703857.97W		690 (5D)		500				1200			
						(25-022327)													
						2. TERRAIN		423642.00N/0704348.00W		260 (300)				AS1500		1800			
FINAL: LPV		VOVCU		RW27		3. BUSH (KBVYT000922)		423508.32N/0705350.54W		218 (1A)		31.68:1		MA55		444/353			
FINAL: LNAV/VNAV		VOVCU		RW27		4. TREE (25-020279)		423534.14N/0705429.80W		268 (1C)		150		AC20		438/347			
FINAL: LNAV		VOVCU		MIAOU/1.50 NM TO		5. AAO		423600.00N/0704927.00W		357 (2C)		250		RA34		660			
				RW27															
FINAL: LNAV STEPDOWN		MIAOU/1.50 NM TO		RW27		6. WTR TWR		423445.28N/0705237.68W		275 (1A)		250				540			
		RW27				(KBVYT002400)													
2. HOLD-IN-LIEU-OF-PT		SNOOH		P-4		1. WINDMILL		423741.53N/0703857.97W		690 (5D)		1000				1700			
						(25-022327)													
						2. TERRAIN		423642.00N/0704348.00W		260 (300)				AS1500		1800			
3. MISSED APPROACH	MAP:	DA / DA / RW27		WAKBI		3. BUSH (KBVYT000922)		423508.32N/0705350.54W		218 (1A)		ASC				2000			
	ELEV:	203/288/440				7. AAO		424220.80N/0710048.50W		534 (2C)		1000				1600			
						8. TERRAIN		424220.80N/0710048.50W		334 (300)				AS1500		1800			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		493		9. BUSH (KBVYT002373)		423512.88N/0705635.85W		292 (1A)		300			
CATEGORY B		1.5 NM				450		493		9. BUSH (KBVYT002373)		423512.88N/0705635.85W		292 (1A)		300		600	
CATEGORY C		1.7 NM				450		713		10. TOWER (25-025125)		423549.05N/0705901.27W		454 (5D)		300		AC50	
CATEGORY D		2.3 NM				550		773		11. STACK (25-000204)		423136.00N/0705235.00W		511 (2D)		300		AC50	
CATEGORY E		4.5 NM				550													
5. MINIMUM SAFE ALTITUDES																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)			
360-360		TWR (25-000619)		262/28.6		1462 (2A)		2500											
CITY AND STATE		ELEVATION: 107		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION											
BEVERLY, MA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 27, AMDT 1		ANE											
		BEVERLY RGNL																	

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING				VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1.	
BOS APP CON BVY TOWER				N W S		OTHER: ASOS		SOURCE:KBVY / KLWM				PRECIPITOUS TERRAIN EVALUATION COMPLETED.	
				F A A				DISTANCE: 0 / 12.15				100 FT VEGETATION USED.	
				A / C				HOURS REMOTE OPERATION: 24 / YES				NO CAT D MINIMUMS FOR LPV AND LNAV/VNAV DUE TO 3.2 GPA.	
SATISFACTORY ON:				LOCATION: KBVY				ADJUSTMENT: 0				HIGH TEMPERATURE CALCULATION USED CAT C SINCE CAT D LNAV/VNAV NOT PUBLISHED.	
4. MONITOR STATUS		PRIMARY NAVAID:								LPV SLOPE: 31.68:1			
		MONITOR POINT:								LNAV/VNAV SLOPE: 22.44:1			
		HRS OPTN:		CAT 1						25 DEGREE BANK ANGLE USED IN MISSED APPROACH.			
				CAT 3						NON-STANDARD TURN IN HIL PER FPT/ATC.			
5. APPROACH & RUNWAY LIGHTING		ALS								SERVICE A: KBVY YES/KLWM YES.			
		(S) SALS								PROCEDURAL GPA/TCH 3.22/60 USED TO CLEAR GQS PENETRATIONS.			
		X		MALS 16 (PCL)						TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.			
		HIRL								CRITICAL TEMPERATURES: CRITICAL LOW :-21C (-5F) CRITICAL HIGH :+54C (+130F) ACT :-21C APT ISA :+14.79C			
		X		MIRL 09 (PCL), 16 (PCL), 27 (PCL), 34						CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2011-2015). CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA. DESCENT RATE (FPM): STANDARD TEMP 878 HIGH TEMP 1109.			
		X		REIL 34 (PCL)						ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM			
		TDZ								SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME KBVY 107.3, KLWM 147.7 RA = 33.63.			
				C/LINE						ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 20:1 RWY 27 138 BUSH (KBVYT000820) 423503.74N/0705418.00W (3.11) 133 BUSH (KBVYT000817) 423502.61N/0705418.70W (2.18)			
6. RUNWAY MARKINGS		BASIC								RWY 9 115 BUSH (KBVYT000349) 423448.00N/0705536.89W (26.68) 110 TREE (25-020379) 423448.02N/0705536.91W (21.64) 99 TREE (25-020383) 423446.79N/0705535.93W (12.48) 92 TREE (25-020371) 423444.82N/0705534.09W (9.40) 96 BUSH (KBVYT000345) 423446.97N/0705536.03W (9.37) 96 BUSH (KBVYT000347) 423446.15N/0705535.86W (8.85) 93 TREE (25-020375) 423446.96N/0705535.50W (8.26) 92 BUSH (KBVYT000350) 423444.40N/0705535.70W (3.03) CONT.			
		ALL WEATHER											
		INSTRUMENT NPI-G 09, 27; -F 16, 34											
7. RUNWAY VISUAL RANGE		APPROACH											
		MIDFIELD											
		ROLL OUT											
8. GLIDE PATH		GP ANGLE: 3.22				ELEV RWY THRESHOLD: 91.2							
		DISTANCE FROM RWY:				ELEV GP ANTENNA:							
		THRESHOLD CROSSING HEIGHT: 60.0											
9. FINAL APPROACH COURSE AIMING		X		RUNWAY THRESHOLD				FT. FROM THRESHOLD					
		X		ON CENTERLINE				FT. FROM CENTERLINE					
10. WAIVERS: NONE													
PART D - PREPARED BY: MIKE MELSSEN								DATE: 05/10/2016					
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5412					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES					PRIMARY NAVAID:				
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
									QUALITY
									4

CITY AND STATE BEVERLY, MA	ELEVATION: 107 AIRPORT NAME: BEVERLY RGNL	FACILITY RNAV	PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 27, AMDT 1	REGION ANE
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CONTINUED. 79 BUSH (KBVYT000334) 423444.55N/0705532.80W (0.68) 34:1 227 TREE (25-020340) 423512.47N/0705353.91W (52.03) 221 BUSH (KBVYT000918) 423512.44N/0705352.76W (43.62) 218 BUSH (KBVYT000916) 423509.68N/0705351.85W (40.92) 219 BUSH (KBVYT000926) 423512.61N/0705351.82W (39.49) 218 BUSH (KBVYT000922) 423508.32N/0705350.54W (39.24) 211 BUSH (KBVYT000907) 423510.45N/0705354.00W (37.85) 214 TREE (25-020341) 423508.78N/0705351.81W (37.56) 211 BUSH (KBVYT000908) 423509.37N/0705353.17W (36.97) 214 TREE (25-020343) 423508.36N/0705350.50W (35.13) 199 BUSH (KBVYT000900) 423511.99N/0705356.30W (29.48) 206 BUSH (KBVYT000915) 423507.69N/0705351.23W (29.21) 210 BUSH (KBVYT000933) 423509.21N/0705348.90W (27.05) 201 BUSH (KBVYT000924) 423507.04N/0705349.92W (21.96) 195 BUSH (KBVYT000923) 423505.18N/0705349.33W (16.21) 193 TREE (25-020342) 423505.50N/0705350.03W (15.44) 192 BUSH (KBVYT000919) 423504.21N/0705349.55W (14.46) 128 BUSH (KBVYT000816) 423504.53N/0705419.49W (13.62) 192 TREE (25-020344) 423505.16N/0705349.23W (13.02) 133 BUSH (KBVYT000831) 423504.30N/0705416.46W (12.38) 137 BUSH (KBVYT000845) 423505.38N/0705413.61W (9.48) 195 BUSH (KBVYT000938) 423512.77N/0705348.89W (9.16) 118 BUSH (KBVYT000811) 423503.49N/0705421.27W (8.23) 182 BUSH (KBVYT000911) 423504.16N/0705350.72W (6.98) 130 BUSH (KBVYT000837) 423503.96N/0705414.99W (6.55) 127 BUSH (KBVYT000832) 423501.16N/0705414.93W (5.68) 126 BUSH (KBVYT000830) 423501.71N/0705415.52W (5.48) 106 TREE (25-020304) 423458.46N/0705423.21W (4.39) 143 BUSH (KBVYT000873) 423504.76N/0705408.03W (4.16) 132 BUSH (KBVYT000849) 423459.50N/0705411.11W (3.92) 136 BUSH (KBVYT000857) 423504.35N/0705411.00W (3.78) 139 BUSH (KBVYT000868) 423505.84N/0705409.89W (3.23) 192 BUSH (KBVYT000950) 423509.83N/0705345.76W (1.90) 185 BUSH (KBVYT000935) 423506.36N/0705347.63W (1.66) 178 BUSH (KBVYT000914) 423502.95N/0705349.49W (1.35) 188 BUSH (KBVYT000942) 423512.28N/0705348.10W (0.88) 188 BUSH (KBVYT000944) 423508.78N/0705346.57W (0.46) 131 BUSH (KBVYT000854) 423503.88N/0705411.42W (0.05) 133 BUSH (KBVYT000859) 423505.56N/0705411.11W (0.04) FPT NOTIFIED OF VISUAL SURFACE PENETRATIONS.
1. COMMUNICATIONS WITH:		2. WEATHER SERVICE			3. ALTIMETER SETTING					
SATISFACTORY ON:				N W S	OTHER:		SOURCE:			
				DISTANCE:						
				HOURS REMOTE OPERATION:						
				F A A						
				A / C						
V H F		U H F		H F		LOCATION:		ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:								
		MONITOR POINT:								
		HRS OPTN:		CAT 1						
				CAT 3						
5. APPROACH & RUNWAY LIGHTING				ALS						
				(S) SALS						
				MALS						
				HIRL						
				MIRL						
				REIL						
				TDZ						
				C/LINE						
		OTHER (SPECIFY)								
6. RUNWAY MARKINGS		BASIC								
		ALL WEATHER								
		INSTRUMENT								
7. RUNWAY VISUAL RANGE		APPROACH								
		MIDFIELD								
		ROLL OUT								
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:				
		DISTANCE FROM RWY:				ELEV GP ANTENNA:				
						THRESHOLD CROSSING HEIGHT:				
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD				FT. FROM THRESHOLD		
				ON CENTERLINE				FT. FROM CENTERLINE		
10. WAIVERS:										
PART D - PREPARED BY:						DATE:				
TITLE:						OFFICE:				

QUALITY
4
CHECKED