Flight Procedure Tracking Form	Action: AMENDMENT	Task Type: IAP	Date Open: 12/30/2011	Task #: 2011123025058001002	Request #: 20111230250580
Procedure: HI TACAN RWY 20 AMDT 5A		Airport ID: KBAF	Airport: WESTFIELD - BARNES REGIONAL AirPort		Reimbursable #:
City: WESTFIELD/SPRINGFIELD	ST: MA	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID:	Fac. Type:		Specialist: ROBERT COOK		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:				
QA:	9/24 SS			WILSON 10-11-2012 Corrections Required; WILSON 10-16-2012 Corrections Required; 10/18/2012
Liaison:				

Procedure Comments:

Remark Type: INFORMATION

ENROUTE: NO.

FAA FORMS: 8260-13, 8260-20, 8260-9.

FLIGHT CHECKED BY LEFT BLANK, AMDT 5 NOT FLIGHT CHECKED YET.

DEC 21 2012 MD

Federal Aviation Administration

Memorandum

Date: JAN 07 2013

To: NGB/A3OS
1411 Jefferson Davis Highway
Arlington, VA 22202-3231

From: Susan LW Crumb, Manager, Eastern Products Team, AJV-352

Subject: **ACTION:** Transmittal of Data

The attached FAA Form(s) for Westfield-Barnes Regional Airport, Westfield/Springfield, MA (KBAF) are submitted for further processing. The low procedures are projected for publication on 05/2/13. Please adjust your processing accordingly.
Please return a signed copy for our files.

8260-11	HI ILS OR LOC RWY 20, AMDT 3A
8260-13	HI TACAN RWY 20, AMDT 5A

Attachments

UNITED STATES AIR FORCE
TACAN STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PUT VOR/DME	PUDGY/BAF VORTAC 16.00 DME	324.44 / 34.53	10000
PUDGY/BAF VORTAC 16.00 DME CCW (IAF)	BOBYA/BAF VORTAC 16.00 DME	16.00 DME ARC (BAF LR-036)	4000
RITAS/BAF VORTAC 16.00 DME CW (IAF)	BOBYA/BAF VORTAC 16.00 DME	16.00 DME ARC (BAF LR-020)	4000
BOBYA/BAF VORTAC 16.00 DME (IF)	KLYDE/ 6.03 DME	208.00 / 9.97 (BAF R-028)	2200

MISSED APPROACH

ZOPOP

CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 010 AND BAF VORTAC R-321 TO RITAS/16.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 320.82 INBOUND.
CHART FAS OBST: 545 TREE 421207N/0724201W
CHART BAF R-321 AT RITAS.
CHART BAF R-066 AT PUDGY.
KLYDE TO RW20: 3.20/50
CHART: MINIMUM 10000 AT RITAS (IAF) AND PUDGY (IAF) IN PLAN VIEW
FAC CROSSES RWY C/L EXTENDED 2806 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BOBYA
3. FAC 208.00 FAF KLYDE/ 6.03 DME DIST FAF TO MAP ____ THLD 5.55
4. MIN. ALT BOBYA 4000, KLYDE 2200, WAKVO/3.48 DME 1300
8. MSA FROM: BAF VORTAC 010-190 3100, 190-010 3600, ESA W/IN 100 NM 7000

MAG VAR: 14W EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: NA STANDARD ALTERNATE: NA @

CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-20							800	5500	533	800	5500	533	800	5500	533
CIRCLING							1160	2 3/4	890	1160	3	890	1640	3	1370

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADLEY INTL ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND INCREASE S-20 CAT C, D AND E VISIBILITY TO 1 1/4 MILE.

CHART NOTE: WHEN VGSI INOP STRAIGHT-IN, AND CIRCLING RWY 20 PROCEDURE NA AT NIGHT.
(SEE FORM 8260-20)

@ CAT C 900-2 3/4, CAT D 900-3, CAT E 1400-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 270 THRE: 267 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WESTFIELD/SPRINGFIELD, MA	WESTFIELD-BARNES REGIONAL AIRPORT	BAF	HI TACAN RWY 20, AMDT 5A	AMDT 5
				DATE 11/15/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X] ZBW, BDL APP CON, BAF ATCT, AMGR

FLIGHT CHECKED BY		
NAME: ROBERT S. PRESSLER	FIFO FIOG	DATE: 10/15/2012
DEVELOPED BY		
NAME: ROBERT W. COOK	FIFO AJV-352	DATE: 09/24/2012
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

RECOMMENDED BY: _____ JAN 07 2013
SUSAN CRUMB, MANAGER, AJV-352

1. AIRPORT NAME CHANGED FROM BARNES MUNI TO WESTFIELD-BARNES REGIONAL AIRPORT.
2. REWORD LOCAL ALTIMETER VISIBILITY INCREASE.
3. REWORD INOP MALSR VISIBILITY INCREASE.

REASONS:

1. AIRPORT NAMED CHANGED BY CITY OF WESTFIELD, MA., RESOLUTION NO. 2468 DATED APRIL 21, 2011.
2, 3. CONFORM TO CURRENT DOCUMENTATION REQUIREMENTS.

UNITED STATES AIR FORCE

TACAN STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: WHEN VGSI INOP CIRCLING TO RWY 15 AND 33 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BRADLEY INTL ALTIMETER SETTING INCREASE S-20 CAT E VISIBILITY TO 1 5/8 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 270 THRE: 267	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WESTFIELD/SPRINGFIELD, MA	AIRPORT NAME: WESTFIELD-BARNES REGIONAL AIRPORT	BAF	HI TACAN RWY 20, AMDT 5A	AMDT: 5
				DATED: 11/15/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
ENDORSED BY		
NAME:	FIFO	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.
FEEDER	PUT VOR/DME	PUDGY/BAF VORTAC	1. AAO	420809.00N/0721349.39W	1405 (2C)	1000	AT7595	10000
		16.00 DME	2. TERRAIN	420809.00N/0721349.39W	1205 (1200)		AS1500	2700
INITIAL: ARC	PUDGY/BAF VORTAC	BOBYA/BAF VORTAC	3. TWR (25-000550)	422149.00N/0722522.00W	1587 (4D)	1000	AT1413	4000
	16.00 DME CCW	16.00 DME	4. TERRAIN	423639.27N/0724248.06W	1250 (1300)		AS1500	2800
INITIAL: ARC	RITAS/BAF VORTAC	BOBYA/BAF VORTAC	5. AAO	422322.46N/0730207.20W	2385 (2C)	1000	AT615	4000
	16.00 DME CW	16.00 DME	6. TERRAIN	422322.46N/0730207.20W	2185 (2200)		AS1500	3700
INTERMEDIATE	BOBYA/BAF VORTAC	KLYDE/ 6.03 DME	7. AAO	422603.05N/0724321.23W	1640 (2C)	500	SA-73	2100
	16.00 DME		8. TERRAIN	422540.96N/0724245.87W	1181 (1200)		AS1000	2200
FINAL	KLYDE/6.03 DME	WAKVO/3.48 DME	9. AAO	421325.88N/0724205.64W	603 (2C)	250	RA44 DG403	1300
FINAL: STEPDOWN	WAKVO/3.48 DME	ZOPOP	10. TREE (25-021820)	421207.02N/0724200.98W	545 (2C)	250		800
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	ZOPOP	RITAS/16.00 DME				ASC		4000
			11. AAO	421518.00N/0725912.00W	1982 (2C)	1000		3000
ELEV:	546		12. TERRAIN	421518.00N/0725912.00W	1782 (1800)		AS1500	3300

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350								
CATEGORY B	1.5 NM	450								
CATEGORY C	1.7 NM	450	890	13. TWR (25-000485)	420916.60N/0724104.70W	791 (2A)	300	XP63	1160
CATEGORY D	2.3 NM	550	890	13. TWR (25-000485)	420916.60N/0724104.70W	791 (2A)	300	XP63	1160
CATEGORY E	4.5 NM	550	1370	14. AAO	421119.00N/0724744.27W	1332 (2C)	300		1640

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: BAF VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
010-190	AAO	002/22.6	2031 (2C)	3100					
190-010	AAO	346/28.8	2582 (2C)	3600					

CITY AND STATE	ELEVATION: 270 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
WESTFIELD/SPRINGFIELD, MA	WESTFIELD-BARNES REGIONAL AIRPORT	BAF	HI TACAN RWY 20, AMDT 5A	ANE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
BDL APP CON BAF TOWER	N W S	OTHER: ASOS	SOURCE: KBAF / KBDL
	F A A		DISTANCE: 0 / 13.20
	A / C		HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON:			
X V H F X U H F H F	LOCATION:		ADJUSTMENT: 0 / 44

4. MONITOR STATUS		
PRIMARY NAVAID:	BAF VORTAC	
MONITOR POINT:	AOCC	
HRS OPTN:	CAT 1	24
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 20 (PCL)
X	HIRL 02 (PCL), 20 (PCL)
X	MIRL 33 (PCL), 15 (PCL)
	REIL
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4R 33 PAPI-4L 02, 20

6. RUNWAY MARKINGS	
BASIC	BSC-G 33, 15
ALL WEATHER	PIR-G 02, 20
INSTRUMENT	

7. RUNWAY VISUAL RANGE	
APPROACH	20
MIDFIELD	
ROLL OUT	

8. GLIDE PATH		
GP ANGLE:		ELEV RWY THRESHOLD:
DISTANCE FROM RWY:		ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 50.0

9. FINAL APPROACH COURSE AIMING			
		RUNWAY THRESHOLD 2806	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ROBERT W. COOK	DATE: 09/24/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PARA 251, 20:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KBAF 269.9, KBDL 173.2
RA = 44.
SEE ATTACHED AIRSPACE LETTER.

BAF VORTAC HAS NEW SURVEY DATA. FAC RECALCULATED FROM R-208.01 TO R-028.00, THE PUBLISHED FAC DOES NOT CHANGE. FAC CROSSES RWY C/L EXTENDED 2806.03 FEET FROM THLD. MAP MOVED TO FROM 0.48 NM TO 0.46 NM AND NAMED ZOZOP IAW TERPS PARA 523.

8260-19E CHG 1, PARA 2-74 B(3)(A) NOTE APPLIED TO ALL AAO OBSTACLES AND ALL APPROACH SEGMENT AIRSPACE EVALUATIONS.

7 1/2 MINUTE QUADS AND OE/AAA PROGRAM USED TO VERIFY ALL TERRAIN AND AAO OBSTACLE ELEVATIONS TO A 2C ACCURACY CODE.

ADDITIONAL RASS DATA:
KBAF: 269.9, KBDL: 173.2
RA: 44.00

VGSI ANGLE/TCH DATA: RWY 2: 3.00/50', RWY 20: 3.00/50', RWY 33:3.50/40.4'.

TERPS PARAGRAPH 232A(2) TABLE 1 APPLIED TO RITAS AND PUDGY DME ARC DESCENT GRADIENT.
INITIAL TYPE *14 ARC (NO INT) USED TO BUILD ARCS.

EXCEPT FOR SURVEYED VEGETATION ALL TREES ARE 100' AGL AS PER STANDING EST FPO POLICY.

OBST 7 IS 1702' INTO SECONDARY AREA.

34:1 PENETRATION
269 MSL GROUND (KBAF0024) (OBST 11)
421011.88N-0724241.28W 1.70

20:1 PENETRATION
352 MSL TREE (25-021594)
421041.62N-0724247.92W 0.20

EST FPT NOTIFIED.

ESA WITHIN 100 NM OF BAF VORTAC: 4435 AAO AT 433617.19N-0724912.52W, 4235 + 200' AAO = 4435 (2C).4435 + 2000' ROC = 6435 ROUNDED UP TO CURRENT PUBLISHED ESA OF 7000.

OBST 13 XP 63 ADJUST TO CPM

OBST 13 XP 63 ADJUST TO CPM.