

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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</u> VIRGINIA TECH/MONTGOMERY EXECUTIVE	<u>AIRPORT ID</u> KBCB	<u>PROCEDURE NAME</u> LOC RWY 13	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> BLACKSBURG	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 2120	<u>TDZE</u> 2119	<u>SUPERSEDED</u> LOC/DME RWY 12	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 12/10/2015	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-BCB	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> 09/10/2020	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BLF VOR/DME	IAF	HAWTO/I-BCB LOC/DME 13.49 DME	NOPT				092.75	26.01	5700
HAWTO/I-BCB LOC/DME 13.49 DME	IF/IAF	JUBOP/I-BCB LOC/DME 9.56 DME					125.17	3.93 (I-BCB)	5100
JUBOP/I-BCB LOC/DME 9.56 DME		SUNNY/I-BCB LOC/DME 6.63 DME					125.17	2.92 (I-BCB)	4200

MISSED APPROACH

MAP:

I-BCB 1.09 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3600 THEN CLIMBING RIGHT TURN TO 5700 DIRECT TEC NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW HAWTO, RT, 125.17 INBOUND, 5700 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
3. FAC: 125.17 FAF: SUNNY/I-BCB LOC/DME 6.63 DME DIST FAF TO MAP: DIST FAF TO THLD: 5.55
4. MIN ALT: HAWTO/I-BCB LOC/DME 13.49 DME 5700, JUBOP/I-BCB LOC/DME 9.56 DME 5100, SUNNY/I-BCB LOC/DME 6.63 DME 4200, ZUPAT/I-BCB LOC/DME 4.39 DME 3380
8. MSA FROM: TEC NDB 5600

EQUIPMENT REQUIREMENTS NOTES:

ADF AND DME REQUIRED.

NOTES:

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.



CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BLF VOR/DME AIRWAY RADIALS 074-122 CW.

ADDITIONAL FLIGHT DATA:

3068 AAO 371600N/0803139W
2861 AAO 371503N/0802906W
HOLD W, RT, 071.00 INBOUND.
CHART FAS OBST: 2201 TREE 371240N/0802521W.
CHART VDP AT 1.92 DME
DISTANCE VDP TO THLD 0.84 NM.
CHART CIRCLING ICON.
SUNNY TO RW13: 3.44/55.

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

ALTERNATE: NA ☒

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
S-13	2480	1	361	2480	1	361	2480	1	361		NA				
CIRCLING	2760	1	640	2820	1	700	2980	2 1/2	860		NA				

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM LOC/DME RWY 12 TO LOC RWY 13. - MAGVAR CHANGE AND IAW 8260.3D 1-6-2.
2. REMOVED ROA VORTAC, PSK VORTAC, TABER FEEDERS AND ZOOMS INITIAL. - FIXES WILL BE REMOVED DUE TO FUTURE VOR DECOMMISSIONS.
3. REMOVED TEC NDB FEEDER. - NEW EVAL YIELDED HIGHER MINS THAN ATC MAX CONTROL ALTITUDE OF 6000.
4. ADDED INITIAL FROM BLF VOR/DME WITH MIN ALT OF 5700. - ENABLE PROCEDURE ENTRY FOR EASTBOUND ARRIVALS.
5. LOWERED MSA MIN ALT FROM 5700 TO 5600. - NEW EVAL AND CONT OBST.
6. REPLACED PADTA IF/IAF WITH HAWTO IF/IAF COURSE AND DISTANCE TO FAF CHANGED FROM 123.18/3.15NM TO 125.06/2.79 RESPECTIVELY. - CHANGED TO MIRROR RNAV (GPS) RWY 13.
7. LOWERED HOLD-IN-LIEU/IF/IAF MIN ALT AT HAWTO FROM 6000 TO 5700. - NEW EVAL AND MAP STUDY COMPLETE YIELDING NEW CONTROLLING OBSTACLES.
8. MOVED JUBOP IF STEPDOWN 0.43NM SOUTHEAST COURSE AND DISTANCE TO FAF CHANGED FROM 123.18/4.65NM TO 125.06/4.05NM RESPECTIVELY. - ENABLED RUNWAY ALIGNMENT.
9. REPLACED IGFIL FAF WITH SUNNY FAF COURSE AND DISTANCE TO MAP CHANGED FROM 123.18/5.69NM TO 125.17/5.55NM RESPECTIVELY. - CHANGED TO MIRROR RNAV (GPS) RWY 13.
10. REPLACED CIYAS FINAL SDF WITH ZUPAT COURSE AND DISTANCE TO MAP CHANGED FROM 123.18/3.15NM TO 125.17/3.30NM RESPECTIVELY. - CHANGED TO MIRROR RNAV (GPS) RWY 13.
11. CHANGED FAF TO FINAL SDF CONTROLLING OBSTACLE FROM 2939 TREE TO 3060 AAO AND RAISED SDF ALT FROM 3200 TO 3380. - NEW EVAL AND MAP STUDY COMPLETE YIELDING HIGHER TERRAIN WITHIN THE FINAL SEGMENT ALSO FINAL FIXES HAVE MOVED.
12. CHANGED FAS OBSTACLE FROM 2280 TOWER TO 2201 TREE AND LOWERED LOC MDA FROM 2540 TO 2480 (INCLUDING A MA ADJUSTMENT). - NEW EVAL AND SURVEY COMPLETE YIELDING NEW CONTROLLING OBSTACLE.
13. UPDATED MISSED APPROACH FROM "CLIMB TO 2700 THEN CLIMBING RIGHT TURN TO 6000 DIRECT PSK VORTAC AND HOLD." TO "CLIMB TO 3400 THEN CLIMBING RIGHT TURN TO 5700 DIRECT TEC NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5700." - PSK VORTAC TO BE DECOMMISSIONED.
14. RAISED CIRCLING CAT B MDA FROM 2800 TO 2820/HAT 680 TO 700 AND CAT C MDA FROM 2960 TO 2980/HAT 840 TO 860 - NEW EVAL AND MAP STUDY COMPLETE YIELDING NEW CONTROLLING OBSTACLES.
15. ADDED VDP AT .84 NM TO THRESHOLD AT 1.92 DME. - 20:1 PENETRATIONS NO LONGER EXISTS.
16. REMOVED CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. - 20:1 PENETRATIONS NO LONGER EXISTS.
17. CHANGED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NA TO RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - 1SM VIS LIMIT PLACED BY ADO.
18. LOWERED S-12 MDA ALL CATS FROM 2540 TO 2480 AND CAT C VISIBILITY FROM 1 1/4 TO 1 SM. - NEW EVALUATION COMPLETED AND NEW CONTROLLING OBSTACLE.
19. DELETED CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. - 20:1 PENETRATIONS NO LONGER EXIST.
20. DELETED CHART PLANVIEW NOTES: PROCEDURES NA FOR ARRIVAL AT ZOOMS VIA V-140 NORTHEAST BOUND AND USE OF ROA R-271 AND LWB R-210 MAY BE REQUIRED TO LOCATE PATDA. - NO LONGER REQUIRED, ZOOMS DELETED FROM PROCEDURE, AND ROA AND LWB WILL BE DECOMMISSIONED.
21. CHANGED VDA/TCH FROM 3.39/55 TO 3.44/55. - MATCH THE OVERLYING PRECISION RNAV AND NEW VGSI.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ROA APP CON, AMGR, VA DOT

FLIGHT CHECKED BY

PENDING

*Digitally signed by***JOHN BORDY**

Jun 01, 2020

OFFICE**DATE****DEVELOPED BY**

JOHN BORDY (ANDRE TUCKER)

*Digitally signed by***JOHN BORDY**

Jun 01, 2020

OFFICE

AJV-A422

DATE

02/12/2020

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

Jun 01, 2020

OFFICE

AJV-A420

DATE**TITLE**

MANAGER

QUALITY
6
CHECKED