

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 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										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW12 CLIMB TO 5500 DIRECT TABER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.00 INBOUND. CHART FAS OBST: 2260 TOWER 371357N/0802640W 3140 AAO 371600N/0803140W DISTANCE TO THLD FROM 250 HAT: 0.60 NM. WAAS CHANNEL # 86712 REFERENCE PATH ID: W12A CHART CIRCLING ICON LTP HAE: 612 M									
SOFTY (IAF)		HAWTO (FB)		119.51 / 12.57				5700											
ZOOMS (IAF)		HAWTO (FB)		203.27 / 10.58				5700											
HAWTO (IF)		SUNNY (FB)		123.04 / 6.51				4200											
SUNNY (FAF)		ZUPAT/4.00 NM TO RW12 (FB)		123.11 / 2.19															
ZUPAT/4.00 NM TO RW12		RW12 (MAP) (FO)		123.11 / 4.00															
RW12 (MAP)		2363 MSL		123.11				5500											
2363 MSL		TABER (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HAWTO 3. FAC: 123.11 FAF: SUNNY DIST FAF TO MAP: 6.19 THLD: 6.19 4. MIN. ALT: HAWTO 5700, SUNNY 4200, ZUPAT/4.00 NM TO RW12 3440* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4200 GS ALT AT: SUNNY 4200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.10 TCH: 51.0 34:1 IS NOT CLEAR 8. MSA FROM: RW12 5700														MAG VAR: 6W		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	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS		
LPV DA	2363	3/4	250	2363	3/4	250	2363	1	250		NA								
LNAV/VNAV DA	2428	7/8	315	2428	7/8	315	2428	1	315		NA								
LNAV MDA	2520	3/4	407	2520	3/4	407	2520	1	407		NA								
CIRCLING	2760	1	628	2800	1	668	2960	2 1/2	828		NA								
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING NEW RIVER VALLEY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																			
CITY AND STATE				ELEVATION: 2132 TDZE: 2113				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BLACKSBURG, VA				AIRPORT NAME: VIRGINIA TECH/MONTGOMERY EXECUTIVE								RNAV (GPS) RWY 12, AMDT 2 5 MARCH 2015				AMDT: 1			
																DATED 05/07/2009			

 QUALITY
16
CHECKED

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RNAV - STANDARD
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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOFTY ON V59 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZOOMS ON V37 NORTHBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DUBLIN ALTIMETER SETTING AND INCREASE ALL DA 36 FEET AND ALL MDA 40 FEET; INCREASE LNAV/VNAV CATS A,B AND LNAV CAT C VISIBILITY 1/8 MILE.

CHART NOTE: FOR INOPERATIVE ODALS INCREASE LNAV/VNAV CAT A/B VISIBILITY TO 1 MILE; INCREASE LNAV CAT C VISIBILITY TO 1 1/8 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: PROCEDURE NA AT NIGHT FOR CAT C AIRCRAFT.

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

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBCB
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	371237.7595N
LTP/FTP LONGITUDE	0802453.1840W
LTP/FTP ELLIPSOIDAL HEIGHT	+06120
FPAP LATITUDE	371156.9985N
FPAP LONGITUDE	0802313.9770W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1368
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B4BE4281

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+06440
FPAP ORTHOMETRIC HEIGHT	+06440

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBCBK6FR12	ASOFTY	010SOFTYK6EA0E	A	IF					18000		A	JS
SUSAP	KBCBK6FR12	ASOFTY	020HAWTOK6EA0EE	B	010TF		11950126	+	05700			A	JS
SUSAP	KBCBK6FR12	AZOOMS	010ZOOMSK6EA0E	A	IF					18000		A	JS
SUSAP	KBCBK6FR12	AZOOMS	020HAWTOK6EA0EE	B	010TF		20330106	+	05700			A	JS
SUSAP	KBCBK6FR12	R	010HAWTOK6EA0E	I	IF			+	05700	18000		A	JS
SUSAP	KBCBK6FR12	R	020SUNNYK6EA1E	F	051TF		12300065	+	04200		RW12	K6PGA	JS
SUSAP	KBCBK6FR12	R	020SUNNYK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBCBK6FR12	R	021ZUPATK6EA0E	S	031TF		12310022	V	0344003480		-310		A
SUSAP	KBCBK6FR12	R	030RW12	K6PG0GY	M	031TF	12310040		02164		-310		A
SUSAP	KBCBK6FR12	R	040		M	CA	1231	+	02363				A
SUSAP	KBCBK6FR12	R	050TABERK6EA0EY		DF			+	05500				A
SUSAP	KBCBK6FR12	R	060TABERK6EA0EE	R	HM		10000050	+	05500				A

[illegible][illegible][illegible]

QUALITY
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SUSAP KBCBK6SRW12 K6PG

0 18018005725

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SOFTY	SOFTY	010	IAF	IF		FB					
	SOFTY	HAWTO	020		TF		FB	1.0	119.5 (113.5T)	012.6	AA 05700	
	ZOOMS	ZOOMS	010	IAF	IF		FB					
	ZOOMS	HAWTO	020		TF		FB	1.0	203.3 (197.3T)	010.6	AA 05700	
		HAWTO	010	FACF	IF		FB				AA 05700	
		SUNNY	020	FAF	TF		FB	0.5	123.0 (117.0T)	006.5	AA 04200	
		ZUPAT	021	SDF	TF		FB	0.3	123.1 (117.1T)	002.2	AA 03440 GS 03480	
		RW12	030	MAP	TF		FO	0.3	123.1 (117.1T)	004.0	AT 02164	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		123.1 (117.1T)		AA 02363	
	TABER	050		DF		FO				AA 05500	
	TABER	060		HM	R	FO		100.0 (094.0T)	005.0	AA 05500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HAWTO	N371825.42	W0803902.84	N3718.424	W08039.047
	SOFTY	N372327.60	W0805329.84	N3723.460	W08053.497
	SUNNY	N371527.34	W0803146.84	N3715.456	W08031.781
	TABER	N370255.04	W0800255.66	N3702.917	W08002.928
	ZOOMS	N372832.22	W0803506.70	N3728.537	W08035.112
	ZUPAT	N371427.44	W0802920.56	N3714.457	W08029.343
	RW12	N371237.76	W0802453.18	N3712.629	W08024.886

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	02113	51

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