

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: RW28 CLIMB TO 2500 DIRECT BHEAD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 096.52 INBOUND. CHART FAS OBST: 629 TREE 333121N/0823005W CHART BULLDOG A & B MOA. CHART R-3004 A,B. DISTANCE TO THLD FROM 290 HAT: 0.72 NM. WAAS CHANNEL # 58121 REFERENCE PATH ID: W28A CHART CIRCLING ICON. *LNAV ONLY. LTP HAE: 122.7 M					
BLANE		WARAN (FB)		207.61 / 14.37		3000							
WARAN (IAF)		PHINZ (NOPT) (FB)		186.79 / 9.96		2500							
RUCOP (IAF)		PHINZ (NOPT) (FB)		006.77 / 9.96		2500							
PHINZ (IF/IAF)		NRWOD (FB)		276.79 / 6.76		2000							
NRWOD (FAF)		CAMAK/1.90 NM TO RW28 (FB)		276.71 / 2.63									
CAMAK/1.90 NM TO RW28 (SEE FORM 8260-10)		RW28 (MAP) (FO)		276.71 / 1.90									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E PHINZ, RT, 276.79 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 276.71 FAF: NRWOD DIST FAF TO MAP: 4.53 THLD: 4.53 4. MIN. ALT: PHINZ 2500, NRWOD 2000, CAMAK/1.90 NM TO RW28 1160* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2000 GS ALT AT: NRWOD 2000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW28 2900								MAG VAR: 4W EPOCH YEAR: 1995					
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	
LPV DA	787	7/8	290	787	7/8	290	787	1	290	787	1	290	
LNAV/VNAV DA	810	1	313	810	1	313	810	1	313	810	1	313	
LNAV MDA	880	1	383	880	1	383	880	1 1/8	383	880	1 1/8	383	
CIRCLING	1020	1	519	1080	1	579	1200	2	699	1220	2 1/4	719	
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING DANIEL FIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DANIEL FIELD ALTIMETER SETTING AND INCREASE ALL DA 67 FEET AND ALL MDA 80 FEET, AND INCREASE LPV AND LNAV/VNAV CATS A/B VISIBILITY (SEE FORM 8260-10)													
CITY AND STATE THOMSON, GA			ELEVATION: 501 TDZE: 497 AIRPORT NAME: THOMSON-MCDUFFIE COUNTY			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG-A 24 JULY 2014				SUP: AMDT: ORIG DATED 06/30/2011	

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW28 (MAP)	787 MSL	276.71	
787 MSL	BHEAD (FO)		2500

NOTES, (CONT.):

1/4 MILE AND LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BLANE ON V185 NORTHBOUND AND ON V325 EASTBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT RUCOP.

CHART NOTE: NIGHT LANDING: RWY 28 NA FOR CATS C AND D.

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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	KHQU
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	333145.8625N
LTP/FTP LONGITUDE	0823030.9135W
LTP/FTP ELLIPSOIDAL HEIGHT	+01227
FPAP LATITUDE	333149.9910N
FPAP LONGITUDE	0823217.3850W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

D4BB5977

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01515
FPAP ORTHOMETRIC HEIGHT	+01515

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WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEAEENRT	BHEAD	K70	W		N33321925W082451175			W0060	NAR		BHEAD		
SUSAEAEENRT	BLANE	K70	C	L	N33542326W082093304			W0065	NAR		BLANE		
SUSAEAEENRT	CAMAK	K70	W		N33314054W082281469			W0062	NAR		CAMAK		
SUSAEAEENRT	NRWOD	K70	W		N33313311W082250610			W0062	NAR		NRWOD		
SUSAEAEENRT	PHINZ	K70	W		N33311363W082170153			W0063	NAR		PHINZ		
SUSAEAEENRT	RUCOP	K70	W		N33211561W082173613			W0063	NAR		RUCOP		
SUSAEAEENRT	WARAN	K70	W		N33411163W082162679			W0063	NAR		WARAN		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHQUK7FR28	ABLANE	010	BLANEK7EA0E	IF					18000			A JS	
SUSAP KHQUK7FR28	ABLANE	020	WARANK7EA0E	A 020TF		20760144		+ 03000				A JS	
SUSAP KHQUK7FR28	ABLANE	030	PHINZK7EA0EE	B 010TF		18680100		+ 02500				A JS	
SUSAP KHQUK7FR28	APHINZ	010	PHINZK7EA0EE	AR HF		27680040		+ 02500		18000		A JS	
SUSAP KHQUK7FR28	ARUCOP	010	RUCOPK7EA0E	A IF						18000		A JS	
SUSAP KHQUK7FR28	ARUCOP	020	PHINZK7EA0EE	B 010TF		00680100		+ 02500				A JS	
SUSAP KHQUK7FR28	R	010	PHINZK7EA0E	I IF						18000		A JS	
SUSAP KHQUK7FR28	R	020	NRWODK7EA1E	F 051TF		27680068		+ 02000			RW28	K7PGA JS	
SUSAP KHQUK7FR28	R	020	NRWODK7EA2	WALPV	ALNAV/VNAV	ALNAV						JS	
SUSAP KHQUK7FR28	R	021	CAMAKK7EA0E	S 031TF		27670026		V 0116001162		-300		A JS	
SUSAP KHQUK7FR28	R	030	RW28 K7PG0GY	M 031TF		27670019		00557		-300		A JS	
SUSAP KHQUK7FR28	R	040		0 M CA		2767		+ 00787				A JS	
SUSAP KHQUK7FR28	R	050	BHEADK7EA0EY	DF				+ 02500				A JS	
SUSAP KHQUK7FR28	R	060	BHEADK7EA0EE	R HM		09650040		+ 02500				A JS	

[illegible][illegible]

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHQK7SRW28 K7PG					0	1	8	0	0	2	9	2	5
												M	

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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
	BLANE	BLANE	010		IF		FB					
	BLANE	WARAN	020	IAF	TF		FB	2.0	207.6 (203.6T)	014.4	AA 03000	
	BLANE	PHINZ	030		TF		FB	1.0	186.8 (182.8T)	010.0	AA 02500	
	PHINZ	PHINZ	010	IAF	HF	R	FO		276.8 (272.8T)	004.0	AA 02500	
	RUCOP	RUCOP	010	IAF	IF		FB					
	RUCOP	PHINZ	020		TF		FB	1.0	006.8 (002.8T)	010.0	AA 02500	
		PHINZ	010	FACF	IF		FB				AA 02500	
		NRWOD	020	FAF	TF		FB	0.5	276.8 (272.8T)	006.8	AA 02000	
		CAMAK	021	SDF	TF		FB	0.3	276.7 (272.7T)	002.6	AA 01160	GS 01162
		RW28	030	MAP	TF		FO	0.3	276.7 (272.7T)	001.9	AT 00557	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		276.7 (272.7T)		AA 00787	
	BHEAD	050		DF		FO				AA 02500	
	BHEAD	060		HM	R	FO		096.5 (092.5T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BHEAD	N333219.25	W0824511.75	N3332.321	W08245.196
	BLANE	N335423.26	W0820933.04	N3354.388	W08209.551
	CAMAK	N333140.54	W0822814.69	N3331.676	W08228.245
	NRWOD	N333133.11	W0822506.10	N3331.552	W08225.102
	PHINZ	N333113.63	W0821701.53	N3331.227	W08217.026
	RUCOP	N332115.61	W0821736.13	N3321.260	W08217.602
	WARAN	N334111.63	W0821626.79	N3341.194	W08216.447
	RW28	N333145.86	W0823030.91	N3331.764	W08230.515

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00497	60

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