## FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE GRAPHIC DEPARTURE PROCEDURES (DP)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated

			3	Ceilings are in feet ab	ove airport elevation. Dis	stances are in nautical mile	s. Visibilities are in statue miles or feet F	RVR unless otherwise indicated.		
DP NAI	<u>/E</u>					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
SAMMI						FOUR	SAMMI4.SAMMI	THREE	09/18/2014	29 MAR 2018
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV			ORIGINA	LLY PUBLIS	SHED IN NFDD 004
FOR RA	DAR VECTORS TA RGNL AT BU	F RWY 1, 7, 19, . THENCE JSH: TAKE OFI	F RWY 8, 17,	, <b>26, 35</b> : CLIMB (				O ROUTE TO SAMMI. THEN ON N ON DEPICTED ROUTE TO S.		7
HEADIN	G 084.67 FOR F	RADAR VECTOR	RS THENCE							
084.67 F	OR RADAR VE	CTORS THENC	E					TED ROUTE TO SAMMI. THEN		
	G 084.67 FOR F			,	N ASSIGNED HE	ADINO I OK KADAI	VECTORS TO TRI EE. THE	VON DELIGIED ROOTE TO SA	AIVIIVII, TITILIN OIN	
MAIN	TAIN ALTITUDE	ASSIGNED BY	ATC. EXPE	CT CLEARANCE	TO FILED ALTITU	JDE/FLIGHT LEVEL	. WITHIN 10 MINUTES AFTER	R DEPARTURE		
TRANSI	TION ROUTES (	GRAPHIC DEP	ICTION ONL	<u>.Y):</u>						
TRANSI	ΓΙΟΝ NAME	TRANSIT		<u>FROM</u> FIX/NAVAI	<u>D</u>	<u>TO</u> <u>FIX/NAVAID</u>	COURSE	DISTANCE MEA	MOCA	CROSSING ALTITUDE/FIXES
NOTE: R NOTE: R NOTE: I TAKEOI AIKEN R RWY 7, RWY 1, TAKEOI RWY 19 AUGUS RWY 8: RWY 17 RWY 26 RWY 35 DANIEL RWY 5. RWY 23	DO NOT EXCEE FF MINIMUMS: RGNL: 25, STANDARD 200-1 1/4 OR ST FF MUST OCCU , STANDARD WI STANDARD WI STANDARD WI STANDARD W FIELD: 11 , STANDARD W	S REQUIRED.  D 250 KIAS UN'  FANDARD WITH R NO LATER TI ITH MINIMUM (  JSH: ITH MINIMUM (  ).	H MINIMUM (HAN 1400 FTCLIMB OF 200 CLIMB OF 300 CLIMB OF		2600. 2600. 22400. 22000. 22500.	, OR ALTERNATIVE	ELY, WITH STANDARD TAKE	OFF MINIMUMS AND A NORMA	AL 200 FT PER NI	M CLIMB GRADIENT,
THOMS	ON-MCDUFFIE ( , <b>28,</b> STANDARI	COUNTY:	JEINID OF 24	FULL LEK INIVI IC	J 1300.					WALIT

92

## FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE GRAPHIC DEPARTURE PROCEDURES (DP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated.

DP NAMENUMBERDP COMPUTER CODESUPERSEDED NUMBERDATEDEFFECTIVE DATESAMMIFOURSAMMI4.SAMMITHREE09/18/201429 MAR 2018

#### **TAKEOFF OBSTACLES NOTES:**

#### AIKEN RGNL:

NOTE: RWY 1, TERRAIN 74 FEET FROM DER, 9 FEET LEFT OF CENTERLINE, 496 FEET MSL. TREES BEGINNING 169 FEETFROM DER, 35 FEET LEFT OF CENTERLINE, UP TO 100 FEET AGL/659 FEET MSL. TREE 6,023 FEET FROM DER, 1,609 FEET LEFT OF CENTERLINE, UP TO 100 FEET AGL/649 FEET MSL. TERRAIN BEGINNING 75 FEET FROM DER, 246 FEET RIGHT OF CENTERLINE UP TO 496 FEET MSL. TREES BEGINNING 1,322 FEET FROM DER, 241 FEET RIGHT OF CENTERLINE, UP TO 100 FEET AGL/609 FEET MSL.

NOTE: RWY 7, TERRAIN BEGINNING 51 FEET FROM DER, 207 FEET RIGHT OF CENTERLINE UP TO 499 FEET MSL. TREES BEGINNING 1,230 FEET FROM DER, 550 FEET RIGHT OF CENTERLINE, UP TO 100 FEET AGL/609 FEET MSL. TREES BEGINNING 1,601 FEET FROM DER, 731 FEET LEFT OF CENTERLINE, UP TO 56 FEET AGL 563/FEET MSL.

NOTE: RWY 19, TREES BEGINNING ABEAM DER, 110 FEET RIGHT OF CENTERLINE, UP TO 100 FEET AGL/629 FEET MSL TREES BEGINNING 6 FEET FROM DER, 82 FEET LEFT OF CENTERLINE, UPTO 100 FEET AGL/639 FEET MSL.

NOTE: RWY 25, TREE 1,244 FEET FROM DER, 766 FEET RIGHT OF CENTERLINE, 73 FEET AGL/572 FEET MSL. TREE 1,506 FEET FROM DER, 661 FEET LEFT OF CENTERLINE, 72 FEET AGL/561 FEET MSL.

#### **AUGUSTA RGNL AT BUSH:**

NOTE: RWY 08, TREES 2011 FT FROM DER, 379 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/209 FT MSL.

NOTE: RWY 17, BUSH 746 FT FROM DER, 616 FT LEFT OF CENTERLINE, UP TO 14 FT AGL/158 FT MSL. TREES BEGINNING 1700 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/339 FT MSL.

NOTE: RWY 26, TREES BEGINNING 992 FT FROM DER, 294 FT LEFT OF CENTER LINE, UP TO 100 FT AGL/355 FT MSL. TREES BEGINNING 1254 FT FROM DER, 175 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/419 FT MSL. BUILDING 1344 FT FROM DER, 436 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/175 FT MSL. LT POLE 1015 FT FROM DER, 287 FT RIGHT OF CENTERLINE, UP TO 31 FT AGL/175 FT MSL.

#### DANIEL FIELD:

NOTE: RWY 5, VEHICLES ON ROAD, POLES, TREES, SIGNS, AND WALL BEGINNING 16 FT FROM DER 1 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/472 FT MSL. POLES, TREES, SIGNS, BLDGS, AND WALL BEGINNING 175 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/475 FT MSL. TREES, BLDGS, AND POLES BEGINNING 591 FT FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/492 FT MSL.TREES, POLES, AND BLDG BEGINNING 873 FT FROM DER, 170 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/490 FT MSL. POLES, TREES, TANKS, AND BLDGS BEGINNING 1008 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 95 FT AGL/505 FT MSL. POLES, TREES, AND BLDGS BEGINNING 1567 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 95 FT AGL/525 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 135 FT AGL/557 FT MSL.

NOTE: RWY 11, POLES, TREES, AND BLDGS BEGINNING 177 FT FROM DER, 360 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/453 FT MSL. TREES AND POLE BEGINNING 188 FT FROM DER, 479 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/472 FT MSL. VEHICLES ON ROAD, TREES, POLES, AND BLDGS BEGINNING 276 FT FROM DER, 2FT RIGHT OF CENTERLINE, UP TO 65FT AGL/476 FT MSL. TREES, BLDGS, POLES, AND SIGN BEGINNING 343 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/476 FT MSL. POLES, TREES, AND BLDGS BEGINNING 620 FT FROM DER, 11 FT RIGHT OF CENTERLINE. UP TO 75 FT AGL/485 FT MSL. POLES, TREES, AND BLDG BEGINNING 845 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/491 FT MSL. POLE, BLDG, AND TREES BEGINNING 1109 FT FROM DER, 9 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/495 FT MSL. BLDG 2240 FT FROM DER. 518 FT RIGHT OF CENTERLINE, 106 FT AGL/509 FT MSL.

NOTE: RWY 23, TREES BEGINNING 9 FT FROM DER, 141 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/402 FT MSL. TREES BEGINNING 11 FT FROM DER, 195 FT LEFT OF CENTERLINE, UP TO 25 FT AGL 398 FT MSL.TREES BEGINNING 105 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 112 FT AGL/430 FT MSL.

NOTE: RWY 29, TREES, BLDGS, AND POLES BEGINNING FROM DER, 192 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/508 FT MSL. VEHICLES ON ROAD, TREES, BLDGS, POLE, AND SIGN BEGINNING 4 FT FROM DER, 131 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/472 FT MSL. TREES AND POLES BEGINNING 354 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/535 FT MSL. TOWER AND TREES BEGINNING 879 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/501 FT MSL.

#### THOMSON-MCDUFFIE COUNTY

NOTE: RWY 10, T-L TWR 178 FT FROM DER, 455 FT LEFT OF CENTERLINE, 35 FT AGL/529 FT MSL. TREE, T-L TWR BEGINNING 382 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 592 FT MSL. T-L TWR 669 FT FROM DER, 623 FT RIGHT OF CENTERLINE, 33 FT AGL/524 FT MSL. T-L TWRS BEGINNING 686 FT FROM DER, 415 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/531 FT MSL. T-L TWR 730 FT FROM DER, 626 FT RIGHT OF CENTERLINE, 40 FT AGL/532 FT MSL. POLE 999 FT FROM DER, 618 FT RIGHT OF CENTERLINE, 60 FT AGL/553 FT MSL. POLE, BLDG BEGINNING 1001 FT FROM DER, 539 FT RIGHT OF CENTERLINE, UP TO 556 FT MSL. T-L TWR 1984 FT FROM DER, 333 FT RIGHT OF CENTERLINE, 91 FT AGL/580 FT MSL. T-L TWR 2005 FT FROM DER, 428 FT RIGHT OF CENTERLINE, 99 FT AGL/588 FT MSL. POLE, T-L TWR BEGINNING 2127 FT FROM DER, 942 FT RIGHT OF CENTERLINE, UP TO 589 FT MSL. NOTE: RWY 28, TREE 200 FT FROM DER, 547 FT LEFT OF CENTERLINE, 477 FT MSL. TREE 425 FT FROM DER, 521 FT LEFT OF CENTERLINE, 479 FT MSL. TREES BEGINNING 453 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 514 FT MSL. TREE 757 FT FROM DER, 654 FT LEFT OF CENTERLINE, 503 FT MSL. TREES BEGINNING 3899 FT FROM DER, 1121 FT LEFT OF CENTERLINE, UP TO 578 FT MSL. TREE 4902 FT FROM DER, 1248 FT LEFT OF CENTERLINE, 578 FT MSL. TREES BEGINNING 4902 FT FROM DER, 1180 FT LEFT OF CENTERLINE, UP TO 578 FT MSL.

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DP NAMENUMBER<br/>SAMMIDP COMPUTER CODE<br/>SAMMI4.SAMMISUPERSEDED NUMBER<br/>THREEDATED<br/>09/18/2014EFFECTIVE DATE<br/>29 MAR 2018

### **CONTROLLING OBSTACLES:**

**AIKEN RGNL:** 

**RWY 1**: 649 FT MSL TREE 334011.79N/0814109.50W.

RWY 19, 1105 FT MSL TOWER (45-000759) 333510.00N/0814253.00W.

#### **AUGUSTA RGNL AT BUSH:**

RWY 8: 1939 FT MSL TOWER (45-000300) 332421.00N/0815000.00W. 1882 FT MSL TOWER (45-000298) 332437.00N/0815036.00W.

RWY 17: 1882 FT MSL TOWER (45-000298) 332437.00N/0815036.00W.

RWY 26: 1939 FT MSL TOWER (45-000300) 332421 .00N/0815000.00W. 355 FT TREE (KAGST004) 332132.32N/0815907.68W.

RWY 35: 1882 FT MSL TOWER (45-000298) 332437.00N/0815036.00W.

#### **DANIEL FIELD:**

**RWY 23:** 1049 FT MSL TOWER (13-001381) 332615.00N/0820526.00W. **RWY 29:** 1049 FT MSL TOWER (13-001381) 332615.00N/0820526.00W.

#### LOST COMMUNICATIONS PROCEDURES:

#### **ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KHQU 4W. EPOCH YEAR: 1995.

DME/DME ASSESSMENT: NOT CONDUCTED. CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART PILOT NAVIGATION AREA: 7NM ARC CENTERED ON TRPLE (IF), CW FROM: POINT A (BEARING 039.55 TO TRPLE) TO: POINT B (BEARING 129.55 TO TRPLE)

MINIMUM ALTITUDE- 2100

### AIRPORTS SERVED:

AIRPORT NAME	CITY	<u>STATE</u>
AIKEN RGNL	AIKEN	SC
AUGUSTA RGNL AT BUSH FIELD	AUGUSTA	GA
DANIEL FIELD	AUGUSTA	GA
THOMSON-MCDUFFIE COUNTY	THOMSON	GA

### **COMMUNICATIONS:**

TOWER, CTAF, CLNC DEL, AGS DEP CON



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DP NAM	<u>E</u>					<u>NUMBER</u>	DP COMPUTER CODE	SUPERSEDED NUM	<u>BER</u> <u>DATED</u>	EFFECTIVE DATE
SAMMI						FOUR	SAMMI4.SAMMI	THREE	09/18/2014	29 MAR 2018
FIXES AN	ID/OR NAVA	IDS:								
BOGII										
THIS PROKAIK, KAN INCLUDE PROCED OBTAIN LATC ELECTOR MINITERS PROTECT	ATED AMEN DCEDURE IS GS, AND KDI D TO AID FU URE IS GPS LESS THAN 5 CTED TO ST MUM ALTITU T AIRCRAFT	USED TO S NL IS OUTSI ITURE PROC REQUIRED 500 FT PER I ANDARDIZE JDE IS 1000 FROM ALL I	DE PNA SEC CEDURE EVA BECAUSE KI NM CG. : ALL PROCE FT ABOVE T KNOWN OBS	CTOR LAW 8 ALUATORS. HQU IS TOC COURES SIN FALLEST OB	CLOSE TO FIX PMPAS O	G 3, APPROVAL LE N MISTY AND NDIN F TOURNAMENT AI	ENT. ETTER ON FILE. CONTROLI IA SIDS, COULD NOT LOWE RCRAFT WOULD BE GPS ( ROUTE TO FIRST FIX, BUT	ER DME/DME EVALUATION	ON LOW ENOUGH TO	
FLIGHT II	NSPECTED E	<u>ΒΥ</u> :				Digitally signe	ed by	OFFICE SYMBOL:	DATE:	
			ECTION TEA NOT REQUI	`	) MEMO, 22 DEC, 2017	<i>ALLAN WI</i> Jan 24, 20				
DEVELO	PED BY:		Di	gitally signed	l by			OFFICE SYMBOL:	DATE:	
AJ FIELD				AJ FIELDS				AJ-5412	<u>571.2</u> . 11/21/2017	
7.0				Jan 16, 2018	3			7.0 0	11/21/2017	
APPROV	ED BY:					Digitally signed	d by	OFFICE SYMBOL:	DATE:	
GEORGE	DAVIS					ALLAN WIL	L	AJV-5410		
REQUIRE ROUTINE	ED EFFECTIVE	<u>/E DATE</u> :				Jan 24, 201	8			
COORDIN	NATED WITH	<u>ļ</u> :								
<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>					
	$\boxtimes$	$\boxtimes$			$\boxtimes$					
OTHER:										
ZTL, AGS	APP CON, A	AIK, AGS,DN	L,AND HQU	AMGR						
1. DP NAI CHANGE 2. CHANG	D FROM 10 A SED ALL REF	D NUMBER APR 08 TO ( FERENCES I	09/18/2014I FOR AIKEN N	NEW AIRPO JUNI TO AIK	, RT NAME IN DATBASE. EN RGNL NEW AIRPORT	NAME IN DATABA	CHANGED FROM THREE T .SE. D FROM EXPECT VECTOR:	*		

- CURRENT 15A AMDT 2 CHANGES AND REASONS, REMOVED RWY 28 TAKEOFF MINIMUMS RESTRICTION AND CONTROLLING OBSTACLE PER FPT. 5. AIKEN TAKE OBSTACLE NOTES UPDATED TO MATCH 15A FOR AMDT 1A.--PROCEDURE STANDARDIZATION.
- 6. ADDITIONAL FLIGHT DATA ADDED CHART: TOP ALTITUDE: ASSIGNED BY ATC.--REQUIRED NOTE ON SIDS
- 7. INCREASED CLIMB GRADIENT TERMINATION ALTITUDE FOR KAIK RWY 19 DEPARTURES FROM 1000 TO 1300 TARGETS EVALUATION RESULTS.

4. CHANGED THOMSON-MCDUFFIE COUNTY FROM RWY 28 CLIMB GRADIENT FROM 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 700, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DEPARTURE END OF RUNWAY. TO STANDARD.-- MATCH.

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<u>DP NAME</u>	<u>NUMBER</u>	<b>DP COMPUTER CODE</b>	SUPERSEDED NUMBER	<u>DATED</u>	<b>EFFECTIVE DATE</b>
SAMMI	FOUR	SAMMI4.SAMMI	THREE	09/18/2014	29 MAR 2018

01/23/2018 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/18/2017.

1. CHANGED AIKEN MUNI TO AIKEN RGNL IN TAKEOFF MINIMUMS, TAKEOFF OBSTACLE NOTES, AND CONTROLLING OBSTACLES.

01/29/2018 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/21/2018.
CHANGED PROCEDURAL DATA NOTE FROM DO NOT EXCEED 230 KIAS UNTIL ADVISED BY ATC. TO DO NOT EXCEED 250 KIAS UNTIL ADVISED BY ATC.—INCORPORATED TNOTAM FOR KAGS 7/1853, KAIK 7/1585, KHQU 7/1847 AND DNL 7/1842.



### FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE DEPARTURE (DATA RECORD)

DP NAME SAMMI							<u>NUMBER</u> FOUR	DP COMPUTER CODE SAMMI4.SAMMI	SUPERSEDED NUMBER THREE	<u>DATED</u> 09/18/2014	EFFECTIVE DATE 29 MAR 2018
FIX/NAVAID	LAT/LONG	C FO/FB		LEG TYPE			ALTITU	IDE SPEED	REMARKS		
TRPLE	334315.98N/0820348.70W	Υ	-	IF							
BOGII	334503.91N/0815047.91W	Υ	FB	TF	080.55	11 .00					
SAMMI	334643.12N/0813840.65W	Υ	FO	TF	080.67	10.24					
		-	-	VM	080.67	-					

