

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

NFDD 244

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|----------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| DOVER | FIVE | DOVER5.DOVER | FOUR | 03/29/2018 | 28 FEB 2019 |
| <u>TYPE:</u> | <u>OBSTACLE</u> | <u>COPTER</u> | <u>SID</u> | <u>SPECIAL</u> | <u>RNAV</u> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

DP ROUTE DESCRIPTION:

AUGUSTA RGNL AT BUSH FIELD: TAKEOFF RWY 8, 17, 26, 35: CLIMB HEADING ASSIGNED BY ATC FOR VECTORS TO BEANS, THEN ON DEPICTED ROUTE TO DOVER, THEN ON HEADING 156.47 FOR RADAR VECTORS. THENCE ...

AIKEN RGNL: TAKEOFF RWY 1, 7, 19, 25: CLIMB HEADING ASSIGNED BY ATC FOR VECTORS TO BEANS, THEN ON DEPICTED ROUTE TO DOVER, THEN ON HEADING 156.47 FOR RADAR VECTORS, THENCE...

...MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

| <u>TRANSITION NAME</u> | <u>TRANSITION COMPUTER CODE</u> | <u>FROM FIX/NAVAID</u> | <u>TO FIX/NAVAID</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING ALTITUDE/FIXES</u> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: RNAV 1.

NOTE: FOR TURBOJET AIRCRAFT DURING MASTERS GOLF TOURNAMENT WEEK.

NOTE: DO NOT EXCEED 250 KIAS UNTIL ADVISED BY ATC.

TAKEOFF MINIMUMS:

AUGUSTA RGNL AT BUSH FIELD: RWY 8, STANDARD WITH MINIMUM CLIMB OF 394 FEET PER NM TO 2500. RWY 17, STANDARD WITH MINIMUM CLIMB OF 265 FEET PER NM TO 2400. RWY 26, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 312 FEET PER NM TO 2000. RWY 35, STANDARD WITH MINIMUM CLIMB OF 302 FEET PER NM TO 2500.

AIKEN RGNL: RWY 7, 25, STANDARD. RWY 1, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 216 FEET PER NM TO 700, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FEET PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FEET PRIOR TO DER. RWY 19, STANDARD WITH MINIMUM CLIMB OF 201 FEET PER NM TO 1000.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:**AUGUSTA RGNL AT BUSH FIELD:**

RWY 8: 1881 FEET MSL TOWER 332437.00N/0815036.00W (CLIMB GRADIENT), 1939 FEET MSL TOWER 332421.00N/0815000.00W (CLIMB-TO ALTITUDE).

RWY 17: 1881 FEET MSL TOWER 3324337.00N/0815036.00W.

RWY 26: 343 FEET MSL TREE 33213222.41N/0815907.59W (CLIMB GRADIENT), 1939 FEET MSL TOWER 332421.00N/0815000.00W (CLIMB-TO ALTITUDE), 373 FEET TREE 332206.13N/0815944.88W (CEILING), 350 FEET MSL TREE 332155.47N/0815951.74W (VISIBILITY).

RWY 35: 1881 FEET MSL TOWER 332437.00N/0815036.00W.

AIKEN RGNL:

RWY 1: 649 FEET MSL TREE 334011.79N/0814109.50W

RWY 19: 1105 FEET MSL TOWER 333510.00N/0814253.00W.

QUALITY
20
CHECKED

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

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| DOVER | FIVE | DOVER5.DOVER | FOUR | 03/29/2018 | 28 FEB 2019 |

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KAGS 4W EPOCH YEAR: 1990.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART: TOP ALTITUDE:ASSIGNED BY ATC.

PILOT NAVIGATION AREA:

7NM ARC CENTERED ON BEANS (IF), CW

FROM: POINT A (BEARING 109 DEGREES TO BEANS)

TO: POINT B (BEARING 199 DEGREES TO BEANS)

MINIMUM ALTITUDE - 6000

AIRPORTS SERVED:

| <u>AIRPORT NAME</u> | <u>CITY</u> | <u>STATE</u> |
|----------------------------|-------------|--------------|
| AUGUSTA RGNL AT BUSH FIELD | AUGUSTA | GA |
| AIKEN RGNL | AIKEN | SC |

COMMUNICATIONS:

TOWER, CTAF, AGS DEP CON, DATABASE CLNC DEL FREQ FOR ALL AIRPORTS EXCEPT AUGUSTA RGNL AT BUSH FIELD. PUBLISH 118.2 FOR CLNC DEL AT AUGUSTA RGNL AT BUSH FIELD.

FIXES AND/OR NAVAIDS:

SARDY



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

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| DOVER | FIVE | DOVER5.DOVER | FOUR | 03/29/2018 | 28 FEB 2019 |

REMARKS:

ABBREVIATED AMENDMENT.

CONTROLLING OBSTACLES ORIGINATE FROM DIVERSE DEPARTURE EVALUTIONS AT KAGS AND KAIK, ALL RUNWAYS. OBSTACLES PREVENT A SAFE TURN TO ATC ASSIGNED HEADING WITHOUT A DIVERSE VECTOR AREA ESTABLISHED.

FLIGHT INSPECTED BY:

JAMES HAWLEY

*Digitally signed by***ROBERT G HAMILTON**

Nov 28, 2018

OFFICE SYMBOL:

FICO

DATE:

111/20/18

DEVELOPED BY:

RALPH DUMAR

*Digitally signed by***RALPH DUMAR**

Aug 27, 2018

OFFICE SYMBOL:

AJV-5422

DATE:

07/27/2018

APPROVED BY:

JULIE MORGAN

*Digitally signed by***ROBERT G HAMILTON**

Nov 28, 2018

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

| | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| A4A | ALPA | AOPA | APA | HAI | NBAA |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

OTHER:

ZTL, ZJX, AGS APP CON, ARPT MGR

CHANGES - REASONS:

1. TAKEOFF MINIMUMS KAGS RWY 8: CHANGED FROM "STANDARD WITH A MINIMUM CLIMB OF 392 FEET PER NM TO 2600" TO "STANDARD WITH MINIMUM CLIMB OF 394 FEET PER NM TO 2500" - NEW TARGETS EVALUATION.
2. TAKEOFF MINIMUMS KAGS RWY 17: CHANGED FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 265 FEET PER NM TO 2400" - NEW CONTROLLING OBSTACLE.
3. TAKEOFF MINIMUMS KAGS RWY 26: CHANGED FROM 300-1 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 308 FEET PER NM TO 500" TO "300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 312 FEET PER NM TO 2000" - NEW CONTROLLING OBSTACLES IN THE ICA.
4. TAKEOFF MINIMUMS KAGS RWY 35: CHANGED FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 302 FEET PER NM TO 2500" - NEW CONTROLLING OBSTACLE.
5. TAKEOFF MINIMUMS KAIK RWY 1: CHANGED FROM "200-1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 220 FEET PER NM TO 800," TO "300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 216 FEET PER NM TO 700," - IAW FAAO 8260.3D PARA 14-1-5.A, "DO NOT SPECIFY CEILINGS OF 200 FEET OR LESS" LOWERED CG/CGTA PER TARGETS RESULT VS. PREVIOUS IAPA RESULT.
6. TAKEOFF MINIMUMS KAIK RWY 19: CHANGED FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 201 FEET PER NM TO 1000" - UPDATED TARGETS EVALUATION OF EXISTING CONTROLLING OBSTACLE.
7. TAKEOFF OBSTACLE NOTES: ADDED NOTE TO REFER TO 8260.15A FOR LIST OF LOW CLOSE-IN OBSTACLES - PER CRITERIA MEMO #259 DATED 12/27/2017.

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

| <u>DP NAME</u> | | <u>NUMBER</u> | | <u>DP COMPUTER CODE</u> | | <u>SUPERSEDED NUMBER</u> | | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|-----------------------|
| DOVER | | FIVE | | DOVER5.DOVER | | FOUR | | 03/29/2018 | 28 FEB 2019 |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u> | <u>C</u> | <u>FO/FB</u> | <u>LEG TYPE</u> | <u>TC</u> | <u>DIST (NM)</u> | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u> |
| BEANS | 331105.64N/0814809.91W | Y | - | IF | - | - | | | |
| SARDY | 330435.62N/0814344.23W | Y | FB | TF | 150.16 | 7.48 | | | |
| DOVER | 324421.45N/0813115.63W | Y | FO | TF | 152.47 | 22.76 | | | |
| | | - | - | VM | 152.47 | - | | | |

QUALITY
20
CHECKED