

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
JUNPR	SIX	JUNPR6.JUNPR	FIVE	02/28/2019	14 Jul 2022
<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 FLD: TAKEOFF KAGS RWY 8, 17, 26, 35: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS PARRR AT OR ABOVE 3000, THEN ON DEPICTED ROUTE TO JUNPR, THENCE . . .

AIKEN RGNL: TAKEOFF KAIK RWY 1, 7, 19, 25: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS PARRR AT OR ABOVE 3000, THEN ON DEPICTED ROUTE TO JUNPR, THENCE . . .

...(TRANSITION), 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>
GREAN	JUNPR6.GREAN	JUNPR	GREAN	TRACK 184.93	73.00	10000	2400	
NOKIE	JUNPR6.NOKIE	JUNPR	NOKIE	TRACK 270.57	58.95	10000	2300	

PROCEDURAL DATA NOTES:

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

PBN REQUIREMENTS NOTES:

NOTE: RNAV 1 - DME/DME/IRU OR GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

NOTE: RADAR REQUIRED

TAKEOFF MINIMUMS:**AUGUSTA RGNL AT BUSH FIELD:**

RWY 8, STANDARD WITH MINIMUM CLIMB OF 394 FT PER NM TO 2500.
RWY 17, STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 2400.
RWY 26, STANDARD WITH MINIMUM CLIMB OF 312 FT PER NM TO 2000.
RWY 35, STANDARD WITH MINIMUM CLIMB OF 302 FT PER NM TO 2500.

AIKEN RGNL:

RWY 1, 7, 25, STANDARD.
RWY 19, STANDARD WITH MINIMUM CLIMB OF 202 FT PER NM TO 1300.

TAKEOFF OBSTACLES NOTES:

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

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

RWY 8: 1881 FT MSL TOWER 332437.00N/0815036.00W.
RWY 17: 1881 FT MSL TOWER 3324337.00N/0815036.00W.
RWY 26: 343 FT MSL TREE 332132.41N/0815907.59W (CLIMB GRADIENT), 1939 FT MSL TOWER 332421.00N/0815000.00W (CLIMB-TO ALTITUDE)
RWY 35: 1881 FT MSL TOWER 332437.00N/0815036.00W.



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AIKEN RGNL:

RWY 19: 1107 FT MSL TOWER 333509.53N/0814251.21W

MSA:**AUGUSTA RGNL AT BUSH FIELD:** MSA FROM ARP (KAGS) 2900**AIKEN RGNL:** MSA FROM ARP (KAIK) 1900**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0).

ALL AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART: MINIMUM CROSSING ALTITUDE AT PARRR - AT OR ABOVE 3000.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KAGS	AUGUSTA	GA
KAIK	AIKEN	SC

COMMUNICATIONS:

TOWER, CTAF, 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:**REMARKS:**

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

MICHAEL W PENDERGRASS

*Digitally signed by***JASON KRETSCHMER**

May 01, 2022

OFFICE

FPO

DATE

04/26/2022

DEVELOPED BY

JASON KRETSCHMER (HENRY BRADSHAW)

*Digitally signed by***JASON KRETSCHMER**

Mar 16, 2022

OFFICE

AJV-A421

DATE

02/15/2022

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JASON KRETSCHMER**

Mar 16, 2022

OFFICE

AJV-A420

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:
A4A ☒
ALPA ☒
AOPA ☒
APA ☒
HAI ☐
NBAA ☒
OTHER: ZTL, ZJX, AGS APP CON, ARPT MGR
CHANGES - REASONS:

1. UPDATED KAGS AND KAID DEPARTURE INSTRUCTIONS FROM "...ATC FOR VECTORS TO PARRR..." TO "...ATC FOR VECTORS TO CROSS PARRR AT OR ABOVE 3000..." - 8260.46H, APPENDIX E, SECTION 1, 3A.
2. REPLACED TRANSITION "ALMA" WITH "GREAN" - VORMON; DECOMMISSIONING AMG VORTAC

 QUALITY
22
CHECKED

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3. REPLACED TRANSITION "MACON" WITH "NOKIE" - VORMON; DECOMMISSIONING MCN VORTAC.
4. MOVED AND COMBINED NOTES "NOTE: RNAV 1." AND "NOTE: DME/DME/IRU OR GPS REQUIRED." TO PBN REQUIREMENTS TO READ "NOTE: RNAV 1 - DME/DME/IRU OR GPS REQUIRED." - 8260.46H, 2-1-1, F(5).
5. MOVED "NOTE: RADAR REQUIRED" FROM PROCEDURAL NOTES TO EQUIPMENT REQUIREMENTS. - 8260.46H, APPENDIX E, SECTION 1, 6.
6. TAKEOFF MINIMUMS KAGS RWY 26: CHANGED FROM "RWY 26, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 312 FEET PER NM TO 2000." TO "RWY 26, STANDARD WITH MINIMUM CLIMB OF 312 FT PER NM TO 2000." - REMOVED DUE TO ATC VECTORING
7. TAKEOFF MINIMUMS KAIK RWY 1: CHANGED FROM "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." TO "STANDARD" - UPDATED OBSTACLE EVALUATION.
8. TAKEOFF MINIMUMS KAIK RWY 19: CHANGED FROM "STANDARD WITH MINIMUM CLIMB OF 201 FEET PER NM TO 1000." TO "STANDARD WITH MINIMUM CLIMB OF 202 FT PER NM TO 1300."- UPDATED OBSTACLE EVALUATION.
9. CONTROLLING OBSTACLE KAGS RWY 26: REMOVED "373 FEET TREE 332206.13N/0815944.88W (CEILING), 350 FEET TREE 332155.47N/0815951.74W (VISIBILITY)" - REMOVED DUE TO ATC VECTORING.
10. CONTROLLING OBSTACLE KAGS RWY 8: CHANGED FROM "RWY 8: 1881 FEET MSL TOWER 332437.00N/0815036.00W (CLIMB GRADIENT), 1939 FEET MSL TOWER 332421.00N/0815000.00W (CLIMB- TO ALTITUDE)." TO "RWY 8: 1881 FT MSL TOWER 332437.00N/0815036.00W." - UPDATED OBSTACLE EVALUATION.
11. CONTROLLING OBSTACLE KAIK RWY 1: REMOVED "649 FEET MSL TREE 334011.79N/0814109.50W" - UPDATED OBSTACLE EVALUATION.
12. CONTROLLING OBSTACLE KAIK RWY 19: CHANGED "1105 FEET MSL TOWER 333510.00N/0814253.00W" TO "1107 FT MSL TOWER 333509.53N/0814251.21W" - UPDATED OBSTACLE EVALUATION.
13. REMOVED "REFERENCE MAG VAR: KAGS 4W EPOCH YEAR: 1990." FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
14. UPDATED "CHART: TOP ALTITUDE: ASSIGNED BY ATC." TO "ALL AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC." - 8260.46H, APPENDIX E, SECTION 1, 12B.(2).
15. REMOVED PILOT NAVIGATION AREA DATA - NO LONGER REQUIRED.
16. ADDED "CHART: MINIMUM CROSSING ALTITUDE AT PARRR - AT OR ABOVE 3000." - 8260.46H, APPENDIX E, SECTION 1, 12.C.
17. REMOVED "AGS DEP CON" FROM COMMUNICATIONS. - 8260.46H, APPENDIX E, SECTION 1, 14.
18. ADDED KAGS AND KAIK MSA DATA - 8260.46H, APPENDIX E, 16.



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

DP NAME					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
JUNPR					SIX	JUNPR6.JUNPR	FIVE	02/28/2019	14 Jul 2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
PARRR	331833.60N/0821704.70W	Y	-	IF	-	-	AT/ABOVE 3000		
KNINE	330422.93N/0822125.10W	Y	FB	TF	194.45	14.61			
JUNPR	324520.55N/0823029.66W	Y	FB	TF	198.83	20.07			
JUNPR	324520.55N/0823029.66W	Y	-	IF	-	-			JUNPR6.GREAN
GREAN	313211.97N/0823029.66W	Y	FB	TF	180.93	73.00			
JUNPR	324520.55N/0823029.66W	Y	-	IF	-	-			JUNPR6.NOKIE
NOKIE	324128.86N/0833849.88W	Y	FB	TF	266.57	58.95			

QUALITY
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CHECKED