

**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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
QUAKER	EIGHT	QUAK8.GSO	SEVEN	01/03/2019	15 Jun 2023

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**PIEDMONT TRIAD INTL (KGSO):**

- RWY 5R: CLIMB ON HEADING 053.99, THENCE...
- RWY 5L: CLIMB ON HEADING 053.98, THENCE...
- RWY 14: CLIMB ON HEADING 143.15, THENCE...
- RWY 23L: CLIMB ON HEADING 234.00, THENCE...
- RWY 23R: CLIMB ON HEADING 233.99, THENCE...
- RWY 32: CLIMB ON HEADING 323.16, THENCE...

...MAINTAIN ALTITUDE ASSIGNED BY ATC. RADAR VECTORS WILL BE PROVIDED TO INTERCEPT ASSIGNED RADIAL ASSOCIATED WITH THE ISSUED TRANSITION, OR IF NO TRANSITION ASSIGNED, RADAR VECTORS WILL BE PROVIDED TO THE APPROPRIATE FIX. EXPECT REQUESTED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

**SMITH REYNOLDS (KINT):**

- RWY 4: CLIMB ON HEADING 037.73, THENCE...
- RWY 15: CLIMB ON HEADING 151.62, THENCE...
- RWY 22: CLIMB ON HEADING 217.73, THENCE...
- RWY 33: CLIMB ON HEADING 331.63, THENCE...

...MAINTAIN ALTITUDE ASSIGNED BY ATC. RADAR VECTORS WILL BE PROVIDED TO INTERCEPT ASSIGNED RADIAL ASSOCIATED WITH THE ISSUED TRANSITION, OR IF NO TRANSITION ASSIGNED, RADAR VECTORS WILL BE PROVIDED TO THE APPROPRIATE FIX. EXPECT REQUESTED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
RICHMOND	QUAK8.RIC	GSO VORTAC	JEANY	058.00 (GSO R-058)	37.76	6000	2600	
		JEANY	CREWE	057.93 & 065.52 (GSO R-058 & RIC R-246)	65.49	6000	2400	
		CREWE	RIC VORTAC	065.52 (RIC R-246)	51.70	6000	2700	
LYNCHBURG	QUAK8.LYH	GSO VORTAC	JEANY	058.00 (GSO R-058)	37.76	6000	2600	
		JEANY	LYH VOR/DME	010.51 (LYH R-191)	51.12	6000	2600	
ROANOKE	QUAK8.ROA	GSO VORTAC	JEANY	058.00 (GSO R-058)	37.76	6000	2600	
		JEANY	ROA VOR/DME	331.67 (ROA R-152)	66.36	6000	2600	
SOUTH BOSTON	QUAK8.SBV	GSO VORTAC	JEANY	058.00 (GSO R-058)	37.76	6000	2600	
		JEANY	SBV VORTAC	049.16 (SBV R-229)	22.48	6000	2600	

QUALITY  
20  
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
QUAKER	EIGHT	QUAK8.GSO	SEVEN	01/03/2019	15 Jun 2023
RALEIGH/DURHAM	QUAK8.RDU	GSO VORTAC	JEANY	058.00 (GSO R-058)	37.76 6000 2600
		JEANY	RDU VORTAC	149.00 (RDU R-329)	41.78 6000 2300

**PROCEDURAL DATA NOTES:**

**PBN REQUIREMENTS NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.  
RICHMOND TRANSITION REQUIRES DME.

**TAKEOFF MINIMUMS:**

PIEDMONT TRIAD INTL (KGSO)  
RWY 5L, 5R, 14, 23L, 23R, 32: STANDARD.

**SMITH REYNOLDS (KINT)**

RWY 4, 15, 33: STANDARD.  
RWY 22, 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1600.

**TAKEOFF OBSTACLES NOTES:**

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

**SMITH REYNOLDS (KINT)**

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

**CONTROLLING OBSTACLES:**

SMITH REYNOLDS (KINT)  
1138 FT MSL ANTENNA 360715.15N/0801402.23W. 1395 FT MSL TOWER 360554.00N/0801437.00W. 1376 FT MSL BUILDING 360544.00N/0801438.00W.

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

PIEDMONT TRIAD INTL (KGSO) - CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
SMITH REYNOLDS (KINT)- CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORT MV: KGSO 8W/2010, KINT 7W/2000

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KGSO	GREENSBORO	NC
KINT	WINSTON SALEM	NC



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**COMMUNICATIONS:**

PIEDMONT TRIAD INTL: CHART: ATIS, CLNC DEL, GND CON, TOWER.  
 SMITH REYNOLDS: CHART ATIS, GND CON, TOWER.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

ABBREVIATED AMENDMENT; DOES NOT MEET PERIODIC REVIEW REQUIREMENTS

**FLIGHT INSPECTED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

*Digitally signed by*  
**DAVID DANNER**  
 Apr 11, 2023

**OFFICE**                      **DATE**

**DEVELOPED BY**

KELLIE BARNES                      *Digitally signed by*  
**KELLIE R BARNES**  
 Apr 04, 2023

**OFFICE**                      **DATE**

AJV-A442                      01/23/2023

**APPROVED BY**

PATRICK MULQUEEN

*Digitally signed by*  
**DAVID DANNER**  
 Apr 11, 2023

**OFFICE**                      **DATE**

AJV-A440

**TITLE**  
 MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

A4A     ALPA     AOPA     APA     HAI     NBAA     OTHER:ZTL, GSO DEP CON/ATCT, AMGR

**CHANGES - REASONS:**

1. REMOVED RWY 12 FROM KGSO TAKEOFF MINS - FORM CORRECTION FROM PREVIOUS AMENDMENT, NO RWY 12 AT KGSO
2. CHANGED "CLIMB HEADING..." TO "CLIMB ON HEADING..." IN DP ROUTE DESCRIPTIONS - 8260.46J APPENDIX D
3. ADDED 4 LETTER ICAO TO EACH INSTANCE OF AIRPORT NAMES - MAKE IT EASIER FOR PILOTS TO IDENTIY THE AIRPORT AFTER THE REMOVAL OF AIRPORT NAMES FROM AIRPORTS SERVED
4. REMOVED AIRPORT NAMES FROM AIRPORTS SERVED - 8260.46J APPENDIX D
5. REMOVED DEP CONTROL FROM BOTH AIRPORTS IN COMMUNICATIONS - CHARTS AUTOMATICALLY
6. MOVED "NOTE: RADAR REQUIRED" AND "NOTE: RICHMOND TRANSITION REQUIRES DME" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES - 8260.46J APPENDIX D
7. ADDED KINT MAG VAR TO ADDITIONAL FLIGHT DATA - MEMO 283

