

**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.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
TRIAD	NINE	TRI9.GSO	EIGHT	09/15/2016	05 JAN 2017
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☐	☐

DP ROUTE DESCRIPTION:PIEDMONT TRIAD INTL:

TAKEOFF RWY 5R: CLIMB HEADING 053.99, THENCE...

TAKEOFF RWY 5L: CLIMB HEADING 053.98, THENCE...

TAKEOFF RWY 14: CLIMB HEADING 143.15, THENCE...

TAKEOFF RWY 23L: CLIMB HEADING 234.00, THENCE...

TAKEOFF RWY 23R: CLIMB HEADING 233.99, THENCE...

TAKEOFF RWY 32: CLIMB HEADING 323.16, THENCE...

...MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT VECTOR TO INTERCEPT ASSIGNED RADIAL ASSOCIATED WITH THE ISSUED TRANSITION. PROCEED VIA THE DEPICTED RADIAL TO THE TRANSITION FIX, THENCE AS FILED. IF NO TRANSITION ASSIGNED, EXPECT VECTOR TO THE APPROPRIATE FIX. EXPECT REQUESTED ALTITUDE/FLIGHT LEVEL TEN (10) MINUTES AFTER DEPARTURE.

SMITH REYNOLDS:

TAKEOFF RWY 4: CLIMB HEADING 037.73, THENCE...

TAKEOFF RWY 15: CLIMB HEADING 151.63, THENCE...

TAKEOFF RWY 22: CLIMB HEADING 217.73, THENCE...

TAKEOFF RWY 33: CLIMB HEADING 331.64, THENCE...

...MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT VECTOR TO INTERCEPT ASSIGNED RADIAL ASSOCIATED WITH THE ISSUED TRANSITION. PROCEED VIA THE DEPICTED RADIAL TO THE TRANSITION FIX, THENCE AS FILED. IF NO TRANSITION ASSIGNED, EXPECT VECTOR TO THE APPROPRIATE FIX. EXPECT REQUESTED ALTITUDE/FLIGHT LEVEL TEN (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>
BOTTM	TRI9.BOTTM	GSO VORTAC	BOTTM	312.00 (GSO R-312)	50.00	5200		
CLINE	TRI9.CLINE	GSO VORTAC	CLINE	190.00 (GSO R-190)	67.69	5000	2400	
YADKI	TRI9.YADKI	GSO VORTAC	YADKI	297.00 (GSO R-297)	50.00	5000		
CARWN	TRI9.CARWN	GSO VORTAC	BOLTT	204.99 (GSO R-205)	27.19	5000	2400	
		BOLTT	CARWN	251.33 (LIB R-251)	12.90	5000	2500	

PROCEDURAL DATA NOTES:

NOTE: RADAR AND DME REQUIRED.

QUALITY
3
CHECKED

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TAKEOFF MINIMUMS:PIEDMONT TRIAD INTL:

RWY 5L, 5R, 14, 23L, 23R, 32 STANDARD.

SMITH REYNOLDS:

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:

NOTE: RWY 5R, TERRAIN AND TREES BEGINNING 3 FT FROM DER, 499 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/981 FT MSL.
TREES 2751 FT FROM DER, 1191 FT LEFT OF CENTERLINE, 57 FT AGL/966 FT MSL.

NOTE: RWY 5L, TREES BEGINNING 1328 FT FROM DER, 524 FT LEFT OF CENTERLINE, UP TO 88 FT AGL/912 FT MSL.

NOTE: RWY 14, POLE AND RAILROAD SIGNAL BEGINNING 937 FT FROM DER, 604 FT RIGHT OF CENTERLINE, UP TO 51 FT AGL/940 FT MSL.

NOTE: RWY 23R, TREES BEGINNING 1195 FT FROM DER, 191 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/970 FT MSL.
UTILITY POLE 170 FT FROM DER, 540 FT LEFT OF CENTERLINE, 33 FT AGL/936 FT MSL.
TREES BEGINNING 1715 FT FROM DER, 358 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/967 FT MSL.

NOTE: RWY 23L, TREES BEGINNING 834 FT FROM DER, 719 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/934 FT MSL.

NOTE: RWY 32, TREES BEGINNING 1 FT FROM DER, 289 FT RIGHT OF CENTERLINE, UP TO 90 FT AGL/1019 FT MSL.

SMITH REYNOLDS:

NOTE: RWY 4, MULTIPLE TREES BEGINNING 1014 FT FROM DER, 159 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/1041 FT MSL.
MULTIPLE TREES BEGINNING 2 FT FROM DER, 195 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/1051 FT MSL.

NOTE: RWY 15, BUSH AND MULTIPLE TREES BEGINNING 109 FT FROM DER, 237 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/960 FT MSL.
MULTIPLE TREES BEGINNING 123 FT FROM DER, 433 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/945 FT MSL.

NOTE: RWY 22, MULTIPLE TREES BEGINNING 376 FT FROM DER, 136 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/1014 FT MSL.
ANTENNA 4538 FT FROM DER, 1044 FT LEFT OF CENTERLINE, 189 FT AGL/1138 FT MSL.
TOWER 2.1 NM FROM DER, 2784 FT LEFT OF CENTERLINE, 468 FT AGL/1395 FT MSL.
ANTENNA ON BUILDING 2.3 NM FROM DER, 3230 FT LEFT OF CENTERLINE, 460 FT AGL/1376 FT MSL.

NOTE: RWY 33, FLOODLIGHT, MULTIPLE HANGARS, POLES, AND TREES BEGINNING 230 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/1083 FT MSL.
POLE, WINDSOCK, MULTIPLE BUILDINGS AND TREES BEGINNING 13 FT FROM DER, 141 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/1084 FT MSL.



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CONTROLLING OBSTACLES:

SMITH REYNOLDS: 1138 FT MSL ANTENNA 360715.15N/0801402.23W (CLIMB GRADIENT). 1395 FT MSL TOWER 360554.00N/0801437.00W (CEILING & CLIMB-TO-ALTITUDE). 1381 FT MSL BUILDING 360543.46N/0801438.51W (VISIBILITY).

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

PIEDMONT TRIAD INTL - CHART: TOP ALTITUDE: ASSIGNED BY ATC

SMITH REYNOLDS - CHART: TOP ALTITUDE: ASSIGNED BY ATC

CHART: BZM R-122 AT CARWN.

CHART: BOTTM TRANSITION: EXPECT VECTOR TO INTERCEPT GSO R-312 TO BOTTOM. **CARWN TRANSITION:** EXPECT VECTOR TO INTERCEPT GSO R-205 TO BOLT, THEN ON LIB R-251 TO CARWN. **CLINE TRANSITION:** EXPECT VECTOR TO INTERCEPT GSO R-190 TO CLINE. **YADKI TRANSITION:** EXPECT VECTOR TO INTERCEPT GSO R-297 TO YADKI.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
PIEDMONT TRIAD INTL (KGSO)	GREENSBORO	NC
SMITH REYNOLDS (KINT)	WINSTON-SALEM	NC

COMMUNICATIONS:

PIEDMONT TRIAD INTL: ATIS, CLNC DEL, GND CON, TOWER, GSO DEP CON 250-049, GSO DEP CON 050-249.

SMITH REYNOLDS: ATIS, GND CON, TOWER, GSO DEP CON.

FIXES AND/OR NAVAIDS:

BZM VOR/DME

REMARKS:

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TRIAD	NINE	TRI9.GSO	EIGHT	09/15/2016	05 JAN 2017

FLIGHT INSPECTED BY: *Digitally signed by*
JULIE A MORGAN
CHRIS M RICE
Sep 16, 2016

OFFICE SYMBOL: **DATE:**
FICO 09/14/2016

DEVELOPED BY: *Digitally signed by*
BRIAN M SHAFFER
BRIAN M. SHAFFER **BRIAN M SHAFFER**
Aug 23, 2016

OFFICE SYMBOL: **DATE:**
AJV-5411 08/09/2016

APPROVED BY: *Digitally signed by*
JULIE A MORGAN
MARLON ROBINSON
Sep 16, 2016

OFFICE SYMBOL: **DATE:**
AJV-5410

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
☒	☒	☒	☒	☐	☒

OTHER:

ZTL, GSO DEP CON/ATCT, INT ATCT AMGRS

CHANGES - REASONS:

1. REMOVED GALLA TRANSITION AND ADDED CARWN TRANSITION PER METROPLEX REQUEST.
2. CHANGED KINT OBSTACLE CONTROLLING VISIBILITY PER 8260-46F, APPENDIX D, SECTION 2, BLOCK 8 (NO CHANGE IN RWY 22 MINIMUMS). OBSTACLE IS THE GREATEST DER TO OBSTACLE DISTANCE PENETRATING 40:1 OIS.
3. CHANGED KINT RWY 15 RTB FROM 151.62 TO 151.63 AND RWY 33 FROM 331.63 TO 331.64 DUE TO CURRENT AIRNAV DATA.
4. ADDED INT ATCT TO COORDINATED WITH, OTHER BLOCK.
5. CHANGED TRANSITION ROUTING DESCRIPTION FROM: "FROM OVER GSO VORTAC VIA GSO..." TO: "EXPECT VECTOR TO INTERCEPT GSO...". THIS WILL MATCH THE DEPARTURE ROUTE ROUTE DESCRIPTION. ATC NOTIFIED AND AGREE WITH CHANGE.
6. REMOVED SPA VORTAC, HMY VORTAC, PSK VORTAC, SDZ VORTAC, FAY VOR/DME, CAE VORTAC FROM CHARTING IN FIXES AND/OR NAVAIDS BLOCK AT REQUEST OF ATC.

QUALITY
3
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