

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

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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SUPERSEDED NUMBER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>
KWEEN	THREE	KWEEN3.KWEEN	TWO	01/05/2017	
<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:
CHARLOTTE/DOUGLAS INTL**

TAKEOFF RWY 5: CLIMB HEADING 055.47 TO 1260, THEN ON HEADING 055.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 18C: CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 182.96 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 182.97 TO 1260, THEN ON HEADING 182.97 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 23: CLIMB HEADING 235.48 TO 1260, THEN ON HEADING 235.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 36C: CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 315.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 002.97 TO 1260, THEN ON HEADING 025.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THENCE...
...ON TRACK 181.11 TO KWEEN, THEN ON ASSIGNED TRANSITION. MAINTAIN 8000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

CONCORD RGNL

TAKEOFF RWY 2: CLIMB HEADING 016.46 TO 2200, THENCE...
TAKEOFF RWY 20: CLIMBING LEFT TURN HEADING 150.00 TO 2400, THENCE...
... ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THEN ON TRACK 181.11 TO KWEEN. THEN ON ASSIGNED TRANSITION. MAINTAIN 3000, EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

DEPARTING GASTONIA MUNI, CHARLOTTE-MONROE EXECUTIVE, LINCOLNTON-LINCOLN COUNTY RGNL, LANCASTER COUNTY-MC WHIRTER FIELD, STANLEY COUNTY, MID-CAROLINA RGNL, AND ROCK HILL/YORK CO/BRYANT FIELD: CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HMMPY, THEN ON TRACK 181.11 TO KWEEN, THEN ON ASSIGNED TRANSITION, MAINTAIN 3000, EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

GASTONIA MUNI

TAKEOFF RWY 3: CLIMB HEADING 049.34 TO 2700 BEFORE TURNING LEFT.
TAKEOFF RWY 21: CLIMB HEADING 214.33 TO 1600 BEFORE PROCEEDING NORTH.

LINCOLNTON-LINCOLN COUNTY RGNL

TAKEOFF RWY 5: CLIMB HEADING 063.15 TO 2000 BEFORE PROCEEDING ON COURSE.
TAKEOFF RWY 23: CLIMB HEADING 243.16 TO 2800 BEFORE TURNING LEFT.

MID-CAROLINA RGNL

TAKEOFF RWY 20: CLIMB HEADING 201.99 TO 1700 BEFORE TURNING RIGHT.

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>
PITRW	KWEEN3.PITRW	KWEEN	UNJAM	TRACK 182.69	27.89	11000	1900	
		UNJAM	TASTY	TRACK 182.85	42.69	FL 180		
		TASTY	PITRW	TRACK 134.67	74.70	FL 180		

QUALITY
9
CHECKED

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KWEEN	THREE	KWEEN3.KWEEN	TWO	01/05/2017	
UNJAM	KWEEN3.UNJAM	KWEEN	UNJAM	TRACK 182.69	27.89 11000 1900

PROCEDURAL DATA NOTES:

NOTE: FOR TURBOJETS ONLY.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.

NOTE: CHARLOTTE/DOUGLAS INTL ONLY: ACCELERATE TO 250KIAS, IF UNABLE ADVISE ATC. UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280KIAS, IF UNABLE ADVISE ATC.

NOTE: ALL OTHER AIRPORTS: UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC.

NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR CHARLOTTE CLNC DEL.

TAKEOFF MINIMUMS:

RWY 18C, 18L, 18R, 23, 36C, 36R, 36L STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1260.

RWY 5, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300.

CONCORD RGNL

RWY 2, STANDARD.

RWY 20, STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 2400.

GASTONIA MUNI

RWY 3, 21, STANDARD.

CHARLOTTE-MONROE EXECUTIVE

RWY 5, 23, STANDARD.

LINCOLNTON-LINCOLN COUNTY RGNL

RWY 5, 23, STANDARD.

LANCASTER COUNTY-MC WHIRTER FIELD

RWY 6, 24, STANDARD.

STANLY COUNTY

RWY 4L, 22R, NA.

RWY 22L, STANDARD

RWY 4R, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 276 FT PER NM TO 1000.

MID-CAROLINA RGNL

RWY 2, STANDARD.

RWY 20, 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 1300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

ROCK HILL/YORK CO/BRYANT FIELD

RWY 2, 20, STANDARD.

TAKEOFF OBSTACLES NOTES:

CHARLOTTE/DOUGLAS INTL



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NOTE: RWY 05 , TREE 811 FT FROM DER, 677 FT RIGHT OF CENTERLINE, 768 FT MSL. TREE 1031 FT FROM DER, 665 FT LEFT OF CENTERLINE, 773 FT MSL. TREE 1050 FT FROM DER, 755 FT LEFT OF CENTERLINE, 787 FT MSL. TREE 1894 FT FROM DER, 855 FT LEFT OF CENTERLINE, 799 FT MSL. TREES BEGINNING 2089 FT FROM DER, 877 FT LEFT OF CENTERLINE, UP TO 821 FT MSL. TREES BEGINNING 2437 FT FROM DER, 972 FT LEFT OF CENTERLINE, UP TO 822 FT MSL. TREE 2582 FT FROM DER, 1057 FT LEFT OF CENTERLINE, 843 FT MSL. TREES BEGINNING 2608 FT FROM DER, 1107 FT LEFT OF CENTERLINE, UP TO 848 FT MSL.					
NOTE: RWY 18C , AIRFIELD LT 11 FT FROM DER, 85 FT LEFT OF CENTERLINE, 4 FT AGL/695 FT MSL. TREE 556 FT FROM DER, 564 FT LEFT OF CENTERLINE, 711 FT MSL. TREE 1059 FT FROM DER, 761 FT RIGHT OF CENTERLINE, 729 FT MSL. TREES BEGINNING 1184 FT FROM DER, 609 FT LEFT OF CENTERLINE, UP TO 746 FT MSL. TREE 1478 FT FROM DER, 828 FT RIGHT OF CENTERLINE, 736 FT MSL. TREES BEGINNING 1478 FT FROM DER, 323 FT LEFT OF CENTERLINE, UP TO 757 FT MSL. TREE 1721 FT FROM DER, 862 FT RIGHT OF CENTERLINE, 748 FT MSL. TREE 1811 FT FROM DER, 967 FT RIGHT OF CENTERLINE, 751 FT MSL. TREE 2035 FT FROM DER, 1025 FT LEFT OF CENTERLINE, 764 FT MSL. TREES BEGINNING 2058 FT FROM DER, 381 FT LEFT OF CENTERLINE, UP TO 771 FT MSL. TREES BEGINNING 2361 FT FROM DER, 732 FT RIGHT OF CENTERLINE, UP TO 755 FT MSL. TREE 2389 FT FROM DER, 612 FT RIGHT OF CENTERLINE, 759 FT MSL. TREE 2723 FT FROM DER, 971 FT LEFT OF CENTERLINE, 773 FT MSL. TREE 2779 FT FROM DER, 861 FT RIGHT OF CENTERLINE, 762 FT MSL. TREES BEGINNING 3246 FT FROM DER, 793 FT RIGHT OF CENTERLINE, UP TO 792 FT MSL. TREES BEGINNING 3498 FT FROM DER, 1014 FT LEFT OF CENTERLINE, UP TO 791 FT MSL. TREE 4181 FT FROM DER, 1430 FT RIGHT OF CENTERLINE, 797 FT MSL. TREE 4226 FT FROM DER, 1528 FT RIGHT OF CENTERLINE, 798 FT MSL. TREE 4249 FT FROM DER, 1038 FT RIGHT OF CENTERLINE, 805 FT MSL. TREE 5808 FT FROM DER, 1599 FT RIGHT OF CENTERLINE, 837 FT MSL.					
NOTE: RWY 18L , AIRFIELD LT 9 FT FROM DER, 1 FT LEFT OF CENTERLINE, 3 FT AGL/726 FT MSL. POLE 980 FT FROM DER, 709 FT LEFT OF CENTERLINE, 64 FT AGL/763 FT MSL. TWR 980 FT FROM DER, 709 FT LEFT OF CENTERLINE, 765 FT MSL. TREES BEGINNING 1057 FT FROM DER, 689 FT RIGHT OF CENTERLINE, UP TO 759 FT MSL. TREE 1234 FT FROM DER, 795 FT RIGHT OF CENTERLINE, 767 FT MSL. TREES BEGINNING 1457 FT FROM DER, 703 FT RIGHT OF CENTERLINE, UP TO 777 FT MSL. TREE 2248 FT FROM DER, 815 FT RIGHT OF CENTERLINE, 783 FT MSL. TREE 2844 FT FROM DER, 1171 FT RIGHT OF CENTERLINE, 796 FT MSL. TOWER 4408 FT FROM DER, 1505 FT LEFT OF CENTERLINE, 160 FT AGL/849 FT MSL.					
NOTE: RWY 18R , AIRFIELD LT 10 FT FROM DER, 4 FT LEFT OF CENTERLINE, 3 FT AGL/746 FT MSL. GRD 145 FT FROM DER, 521 FT LEFT OF CENTERLINE, 748 FT MSL.					
NOTE: RWY 23 , MALSR 1 FT FROM DER, ON CENTERLINE, 706 FT MSL. TREE 1270 FT FROM DER, 773 FT RIGHT OF CENTERLINE, 742 FT MSL. TREE 1310 FT FROM DER, 772 FT RIGHT OF CENTERLINE, 753 FT MSL. TREE 1477 FT FROM DER, 703 FT RIGHT OF CENTERLINE, 757 FT MSL. TREES BEGINNING 1573 FT FROM DER, 655 FT RIGHT OF CENTERLINE, UP TO 758 FT MSL. TREES BEGINNING 1728 FT FROM DER, 542 FT RIGHT OF CENTERLINE, UP TO 762 FT MSL. TREES BEGINNING 1814 FT FROM DER, 598 FT RIGHT OF CENTERLINE, UP TO 775 FT MSL. TREE 1844 FT FROM DER, 806 FT RIGHT OF CENTERLINE, 776 FT MSL. TREES BEGINNING 1944 FT FROM DER, 698 FT RIGHT OF CENTERLINE, UP TO 792 FT MSL. TREES BEGINNING 2242 FT FROM DER, 362 FT RIGHT OF CENTERLINE, UP TO 811 FT MSL. TREE 3744 FT FROM DER, 503 FT LEFT OF CENTERLINE, 102 FT AGL/802 FT MSL.					
NOTE: RWY 36C , AIRFIELD LT 5 FT FROM DER, 11 FT LEFT OF CENTERLINE, 1 FT AGL/743 FT MSL. TREES BEGINNING 1246 FT FROM DER, 404 FT RIGHT OF CENTERLINE, UP TO 822 FT MSL. TREE 1605 FT FROM DER, 833 FT LEFT OF CENTERLINE, 797 FT MSL. TREES BEGINNING 1937 FT FROM DER, 512 FT LEFT OF CENTERLINE, UP TO 823 FT MSL. TREES BEGINNING 2045 FT FROM DER, 553 FT LEFT OF CENTERLINE, UP TO 827 FT MSL. TREES BEGINNING 2794 FT FROM DER, 237 FT RIGHT OF CENTERLINE, UP TO 825 FT MSL.					
NOTE: RWY 36L , AIRFIELD LT 9 FT FROM DER, 3 FT LEFT OF CENTERLINE, 2 FT AGL/745 FT MSL. TREE 1355 FT FROM DER, 544 FT LEFT OF CENTERLINE, 786 FT MSL.					
NOTE: RWY 36R , APRT SIGN 19 FT FROM DER, 288 FT RIGHT OF CENTERLINE, 6 FT AGL/747 FT MSL. TREES BEGINNING 470 FT FROM DER, 474 FT RIGHT OF CENTERLINE, UP TO 767 FT MSL. TREE, RR BEGINNING 640 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 775 FT MSL. LT POLE, TREE BEGINNING 837 FT FROM DER, 500 FT RIGHT OF CENTERLINE, UP TO 777 FT MSL. TREE 944 FT FROM DER, 650 FT LEFT OF CENTERLINE, 771 FT MSL. POLE 1005 FT FROM DER, 739 FT LEFT OF CENTERLINE, 774 FT MSL. TREES BEGINNING 1058 FT FROM DER, 346 FT RIGHT OF CENTERLINE, UP TO 779 FT MSL. POLE 1191 FT FROM DER, 769 FT LEFT OF CENTERLINE, 778 FT MSL. TREE 1279 FT FROM DER, 625 FT RIGHT OF CENTERLINE, 780 FT MSL. TREE 1295 FT FROM DER, 586 FT LEFT OF CENTERLINE, 782 FT MSL. TREE 1397 FT FROM DER, 646 FT RIGHT OF CENTERLINE, 784 FT MSL. TREES BEGINNING 1476 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 805 FT MSL. TREE 1613 FT FROM DER, 731 FT RIGHT OF CENTERLINE, 787 FT MSL. TREE, POLE BEGINNING 1652 FT FROM DER, 718 FT RIGHT OF CENTERLINE, UP TO 809 FT MSL. TREES BEGINNING 1725 FT FROM DER, 557 FT RIGHT OF CENTERLINE, UP TO 816 FT MSL. TREES BEGINNING 1874 FT FROM DER, ON CENTERLINE, UP TO 820 FT MSL. TREE 2054 FT FROM DER, 91 FT LEFT OF CENTERLINE, 59 FT AGL/807 FT MSL. TREES BEGINNING 2070 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/815 FT MSL. TREES BEGINNING 2132 FT FROM DER, 325 FT LEFT OF CENTERLINE, UP TO 823 FT MSL. TREE 2458 FT FROM DER, 920 FT LEFT OF CENTERLINE, 830 FT MSL. TOWER 3686 FT FROM DER, 1159 FT RIGHT OF CENTERLINE, 70 FT AGL/844 FT MSL. TREE 3737 FT FROM DER, 393 FT LEFT OF CENTERLINE, 91 FT AGL/843 FT MSL. TREE 3756 FT FROM DER, 530 FT RIGHT OF CENTERLINE, 846 FT MSL. TREES BEGINNING 3760 FT FROM DER, 433 FT LEFT OF CENTERLINE, UP TO 851 FT MSL. TREES BEGINNING 3775 FT FROM DER, 577 FT RIGHT OF CENTERLINE, UP TO 852 FT MSL. TREES BEGINNING 3875 FT FROM DER, 394 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/852 FT MSL. TREES BEGINNING 3909 FT FROM DER, 355 FT LEFT OF CENTERLINE, UP TO 857 FT MSL. TREES BEGINNING 4262 FT FROM DER, 439 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/858 FT MSL.					

QUALITY
9
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TREES BEGINNING 4309 FT FROM DER, 171 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/859 FT MSL.

CONCORD RGNL

NOTE: RWY 2, POLES AND TREES BEGINNING 2624 FT FROM DER, 688 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/784 FT MSL. TREES BEGINNING 2107 FT FROM DER, 787 FT RIGHT OF CENTERLINE, UP TO 24 FT AGL/783 FT MSL.

RWY 20, STREET LIGHTS BEGINNING 3047 FT FROM DER, 196 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/744 FT MSL. TREES 1.3 NM FROM DER, 1544 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/849 FT MSL.

GASTONIA MUNI

NOTE: RWY 3, TREES BEGINNING 162 FT FROM DER, 371 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/844 FT MSL. TREES BEGINNING 1200 FT FROM DER, 463 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/835 FT MSL. TREES BEGINNING 1965 FT FROM DER, 433 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/859 FT MSL. TREES 3819 FT FROM DER, 657 FT RIGHT OF CENTERLINE, UP TO 126 FT AGL/885 FT MSL.

NOTE: RWY 21, POLE 254 FT FROM DER, 336 FT RIGHT OF CENTERLINE, 20 FT AGL/810 FT MSL. POLE 288 FT FROM DER, 329 FT LEFT OF CENTERLINE, 18 FT AGL/808 FT MSL. TOWER AND TREES BEGINNING 297 FT FROM DER, 467 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/872 FT MSL. TREES BEGINNING 1245 FT FROM DER, 558 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/878 FT MSL.

CHARLOTTE-MONROE EXECUTIVE

NOTE: RWY 5, TREES BEGINNING 24 FT FROM DER, 308 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/736FT MSL. TREES BEGINNING 70 FT FROM DER, 218 FT LEFT OF CENTERLINE, UP TO 27 FT AGL/686 FT MSL. TREES BEGINNING 606 FT FROM DER, 58 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/692 FT MSL. POLES AND TREES BEGINNING 651 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/713 FT MSL. TREES BEGINNING 1223 FT FROM DER, 436 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/721 FT MSL. TREES BEGINNING 2151 FT FROM DER, 79 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/748 FT MSL.

NOTE: RWY 23, RUNWAY LIGHT 12 FT FROM DER, 31 FT LEFT OF CENTERLINE, 2 FT AGL/684 FT MSL. TREES BEGINNING 1714 FT FROM DER, 203 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/746 FT MSL. TREES 2366 FT FROM DER, 771 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/755 FT MSL.

LINCOLNTON-LINCOLN COUNTY RGNL

NOTE: RWY 5, TREES BEGINNING 1913 FT FROM DER, 330 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/954 FT MSL.

NOTE: RWY 23, TREES BEGINNING 2068 FT FROM DER, 479 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/1001 FT MSL. TREES 2572 FT FROM DER, 42 FT LEFT OF CENTERLINE, UP TO 87 FT AGL/986 FT MSL. TREES 5326 FT FROM DER, 1643 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/1027 FT MSL.

LANCASTER COUNTY-MC WHIRTER FIELD

NOTE: RWY 6, TREES 176 FT FROM DER, 394 FT LEFT OF CENTERLINE, UP TO 27 FT AGL/526 FT MSL. TREES 4704 FT FROM DER, 1425 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/630 FT MSL.

NOTE: RWY 24, TREES 73 FT FROM DER, 492 FT LEFT OF CENTERLINE, UP TO 18 FT AGL/467 FT MSL.

STANLY COUNTY

NOTE: RWY 4R, TREE 4312 FT FROM DER, 374 FT RIGHT OF CENTERLINE, 78 FT AGL/692 FT MSL. TREE 1.2 NM FROM DER, 2063 FT LEFT OF CENTERLINE, 98 FT AGL/837 FT MSL.

NOTE: RWY 22L, TREES BEGINNING 190 FT FROM DER, 142 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/682 FT MSL. RAILROAD 438 FT FROM DER, 403 FT RIGHT OF CENTERLINE, 23 FT AGL/620 FT MSL.

MID-CAROLINA RGNL

NOTE: RWY 2, TREES BEGINNING 106 FT FROM DER, 474 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/787 FT MSL.

NOTE: RWY 20, TREES BEGINNING 167 FT FROM DER, 483 FT RIGHT OF CENTERLINE, UP TO 31 FT AGL/810 FT MSL. BUILDING AND TREES BEGINNING 668 FT FROM DER, 275 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/809 FT MSL. TREES BEGINNING 890 FT FROM DER, 59 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/822 FT MSL. TREES BEGINNING 1055 FT FROM DER, 476 FT RIGHT OF CENTERLINE, UP TO 112 FT AGL/871 FT MSL. TREES BEGINNING 2251 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/896 FT MSL. TREES BEGINNING 2410 FT FROM DER, 17 FT RIGHT OF CENTERLINE, UP TO 114 FT AGL/913 FT MSL. TOWER 2.3 NM FROM DER, 2196 FT RIGHT OF CENTERLINE, 306 FT AGL/1121 FT MSL.

ROCK HILL/YORK CO/BRYANT FIELD

NOTE: RWY 2, TREES BEGINNING 99 FT FROM DER, 491 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/750 FT MSL. TREES BEGINNING 1857 FT FROM DER, 77 FT RIGHT OF CENTERLINE, UP TO 101 FT AGL/730 FT MSL. TREES BEGINNING 2096 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/723 FT MSL.

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NOTE: RWY 20, VEGETATION 153 FT FROM DER, 470 FT RIGHT OF CENTERLINE, UP TO 8 FT AGL/673 FT MSL. TREES 3231 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/749 FT MSL.

CONTROLLING OBSTACLES:

CHARLOTTE/DOUGLAS INTL

RWY 5: 1633 FT MSL BUILDING 351339.00N/0805032.00W (CLIMB TO ALTITUDE).

CONCORD RGNL

RWY 2: 2348 FT MSL TOWER 353157.00N/0804746.00W (ROUTE DEVELOPMENT).

RWY 20: 1950 FT MSL TOWER 351715.00N/0804144.00W (CLIMB GRADIENT). 2041 FT MSL TOWER 392504.00N/0763320.00W (ROUTE DEVELOPMENT).

GASTONIA MUNI

RWY 3, 21: 2754 FT MSL TOWER 352049.00N/0811014.00W (ROUTE DEVELOPMENT).

LINCOLN-TON-LINCOLN COUNTY RGNL

RWY 5: 2754 FT MSL TOWER 352049.00N/0811014.00W (ROUTE DEVELOPMENT).

RWY 23: 2719 FT MSL TOWER 352151.00N/0811112.00W (ROUTE DEVELOPMENT).

STANLY COUNTY

RWY 4R: 837 FT MSL TREE 352627.34N/0800808.17W (CLIMB GRADIENT).

MID-CAROLINA RGNL

RWY 20: 1121 FT MSL TOWER 353613.00N/0803234.12W (CLIMB GRADIENT). 1848 FT MSL TOWER 353531.99N/0803743.98W (ROUTE DEVELOPMENT).

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KCLT 7W EPOCH YEAR: 2000. DME/DME ASSESSMENT: SAT (RNP 2.0).

CHARLOTTE/DOULAS INTL - CHART: TOP ALTITUDE 8000.

CONCORD RGNL - CHART: TOP ALTITUDE 3000.

GASTONIA MUNI - CHART: TOP ALTITUDE 3000.

CHARLOTTE-MONROE EXECUTIVE - CHART: TOP ALTITUDE 3000.

LINCOLN-TON-LINCOLN COUNTY RGNL - CHART: TOP ALTITUDE 3000.

LANCASTER COUNTY-MC WHIRTER FIELD - CHART: TOP ALTITUDE 3000.

STANLY COUNTY - CHART: TOP ALTITUDE 3000.

MID-CAROLINA RGNL - CHART: TOP ALTITUDE 3000.

ROCK HILL/YORK CO/BRYANT FIELD - CHART: TOP ALTITUDE 3000.

CHART: MEA/MOCA FROM HMMPY TO KWEEN, 5500/2300.

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON HMMPY (IF), CW

FROM: POINT A (BEARING 136 DEGREES TO HMMPY)

TO: POINT B (BEARING 226 DEGREES TO HMMPY)

MINIMUM ALTITUDE - 4000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
FAA Form 8260-15B (09/15) Supersedes Previous Edition	Electronic Version	<div>QUALITY 9 CHECKED</div> Page 5 of 10

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KWEEN	THREE	KWEEN3.KWEEN	TWO	01/05/2017	
CHARLOTTE/DOUGLAS INTL (KCLT)	CHARLOTTE				NC
CONCORD RGNL (KJQF)	CONCORD				NC
GASTONIA MUNI (KAKH)	GASTONIA				NC
CHARLOTTE - MONROE EXECUTIVE (KEQY)	MONROE				NC
LINCOLNTON - LINCOLN COUNTY RGNL (KIPJ)	LINCOLNTON				NC
LANCASTER COUNTY - MC WHIRTER FIELD (KLKR)	LANCASTER				SC
STANLY COUNTY (KVUJ)	ALBEMARLE				NC
MID-CAROLINA RGNL (KRUQ)	SALISBURY				NC
ROCK HILL/YORK CO/BRYANT FIELD (KUZA)	ROCK HILL				SC

COMMUNICATIONS:

CHARLOTTE/DOUGLAS INTL: ATIS, CLNC DEL, GND CON, TOWER, DEP CON.

CONCORD RGNL: ATIS, CLNC DEL, GND CON, TOWER, UNICOM, DEP CON.

GASTONIA MUNI: ASOS, CLNC DEL, UNICOM, DEP CON.

CHARLOTTE-MONROE EXECUTIVE: ASOS, CLNC DEL, UNICOM, DEP CON.

LINCOLNTON-LINCOLN COUNTY RGNL: AWOS, CLNC DEL (GCO), UNICOM, DEP CON.

LANCASTER COUNTY-MC WHIRTER FIELD: AWOS, GCO, UNICOM, DEP CON.

STANLY COUNTY: ATIS, CLNC DEL, GND CON, TOWER, UNICOM, DEP CON.

MID-CAROLINA RGNL: AWOS, CLNC DEL, UNICOM, DEP CON.

ROCK HILL/YORK CO/BRYANT FIELD: ASOS, CLNC DEL, UNICOM, DEP CON.

FIXES AND/OR NAVAIDS:

REMARKS:

1. CONCORD RGNL RWY 20 CLIMB GRADIENT ROUNDED TO 320 FT PER NM FOR PUBLICATION (COMPUTED VALUE 317 FT PER NM).
2. MID-CAROLINA RGNL RWY 20 CLIMB GRADIENT ROUNDED TO 205 FT PER NM FOR PUBLICATION (COMPUTED VALUE 202 FT PER NM).
3. LETTER OF APPROVAL FOR EQY, LKR, AND VUJ AIRPORTS NOT LOCATED WITHIN EXTENDED PNA REQUIRED AND ON FILE APPROVED BY AFS-400 5-20-16.
4. **CHART NOTE: CHARLOTTE/DOUGLAS INTL ONLY:** SEE ADDITIONAL REQUIREMENTS ON AAUP.



**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>
KWEEN	THREE	KWEEN3.KWEEN	TWO	01/05/2017	

FLIGHT INSPECTED BY: *Digitally signed by*
CHRISTOPHER D FOREMAN **DION E LANCIA**
Jul 11, 2017

OFFICE SYMBOL: **DATE:**
FICO 05/31/2017

DEVELOPED BY: *Digitally signed by*
DANIEL OLSON (KEVIN KESZLER) **DION E LANCIA**
Jul 11, 2017

OFFICE SYMBOL: **DATE:**
AJV-5423 03/21/2017

APPROVED BY: *Digitally signed by*
JULIE MORGAN **DION E LANCIA**
Jul 11, 2017

OFFICE SYMBOL: **DATE:**
AJV-5420

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, CLT APP CON, CLT ATCT, JQF ATCT, VUJ ATCT, AMGR(S).

CHANGES - REASONS:

1. CHANGED DP ROUTE DESCRIPTION FROM "THEN ON PITRW TRANSITION" TO, "THEN ON ASSIGNED TRANSITION". TO ACCOMMODATE MULTIPLE TRANSITIONS IN THE SAME ROUTE.
2. ADDED UNJAM TRANSITION TO PROCEDURE TO ACCOMMODATE ATC REQUEST.
3. UPDATED TAKE OFF OBSTACLE NOTES FOR CHARLOTTE/DOUGLAS INTL.
4. CHANGED TAKE OFF MINIMA AT CHARLOTTE/DOUGLAS INTL. RWY 36L FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400" TO "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1260." CLIMB TO ALTITUDE NO LONGER REQUIRED FOR OBSTACLE AVOIDANCE.
5. DELETED, "RWY 36L: 2754 FT MSL TOWER 352049.00N/081014.00W (CLIMB TO ALTITUDE)" FOR CHARLOTTE/DOUGLAS INTL." AS IT NO LONGER REQUIRES A CLIMB TO ALTITUDE.
6. CHANGED AIRPORT NAME FROM **ROWAN COUNTY** TO **MID-CAROLINA RGNL** TO INCORPORATE THE NAME CHANGE OF THE AIRPORT.
7. CHANGED NOTE FROM, "NOTE (CHARLOTTE/DOUGLAS INTL ONLY): ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC." TO "NOTE: CHARLOTTE/DOUGLAS INTL ONLY: ACCELERATE TO 250KIAS, IF UNABLE ADVISE ATC. UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280KIAS, IF UNABLE ADVISE ATC." PER FPT AND ATC REQUEST.
8. CHANGED NOTE FROM, "NOTE: UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC." TO "NOTE: ALL OTHER AIRPORTS: UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280KIAS, IF UNABLE ADVISE ATC." PER FPT AND ATC REQUEST.

06/30/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/1/2017.

1. CHANGED ADDITIONAL FLIGHT DATA COMMENT FROM MINIMUM ALTITUDE - 4000 TO CHART: MINIMUM CROSSING ALTITUDE AT HMMPY-4000 IN ADDITIONAL FLIGHT DATA.
2. CHANGED REMARKS COMMENT FROM **CHART NOTE:** SEE ADDITIONAL REQUIREMENTS ON AAUP TO **CHART NOTE: CHARLOTTE/DOUGLAS INTL ONLY:** SEE ADDITIONAL REQUIREMENTS ON AAUP.
3. CHANGED COMMUNICATIONS AT STANLY COUNTY FROM AWOS TO ATIS.

07/11/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/05/2017.

1. CHANGED ADDITIONAL FLIGHT DATA COMMENT FROM CHART: MINIMUM CROSSING ALTITUDE AT HMMPY-4000 TO MINIMUM ALTITUDE - 4000.



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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
KWEEN							THREE	KWEEN3.KWEEN	TWO	01/05/2017	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW05 (AER)	351232.23N/0805659.81W	N	-	-	-	-					
1260 MSL		-	-	VA	048.47	-				CG 500 FT/NM TO 1300	
		-	-	VM	048.00	-				LEFT TURN	
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-					
1260 MSL		-	-	VA	175.96	-				CG 500 FT/NM TO 1260	
		-	-	VM	175.96	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
RW18L (AER)	351329.05N/0805610.17W	N	-	-	-	-					
1260 MSL		-	-	VA	175.97	-				CG 500 FT/NM TO 1260	
		-	-	VM	175.97	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
RW18R (AER)	351331.02N/0805802.71W	N	-	-	-	-					
1260 MSL		-	-	VA	175.96	-				CG 500 FT/NM TO 1260	
		-	-	VM	193.00	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					

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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
KWEEN		THREE		KWEEN3.KWEEN		TWO		01/05/2017			
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW23 (AER)	351321.42N/0805552.12W	N	-	-	-	-					
1260 MSL		-	-	VA	228.48	-			CG 500 FT/NM TO 1260		
		-	-	VM	228.00	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-					
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO 1260		
		-	-	VM	323.00	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
RW36L (AER)	351202.23N/0805755.07W	N	-	-	-	-					
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO 1260		
		-	-	VM	308.00	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-					
1260 MSL		-	-	VA	355.97	-			CG 500 FT/NM TO 1260		
		-	-	VM	018.00	-					
HMMPY	344810.63N/0805137.73W	Y	FB	DF	-	-					
QUALITY											
9											

QUALITY
9
CHECKED

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
KWEEN							THREE	KWEEN3.KWEEN	TWO	01/05/2017	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
HMPY	344810.63N/0805137.73W	Y	-	IF	-	-					
KWEEN	344047.77N/0805042.46W	Y	FB	TF	174.11	7.41					
KWEEN	344047.77N/0805042.46W	Y	-	IF	-	-				KWEEN3.PITRW	
UNJAM	341256.50N/0804810.81W	Y	FB	TF	175.69	27.89					
TASTY	333017.41N/0804429.41W	Y	FB	TF	175.85	42.69					
PITRW	324413.05N/0793423.27W	Y	FB	TF	127.67	74.70					
KWEEN	344047.77N/0805042.46W	Y	-	IF	-	-				KWEEN3.UNJAM	
UNJAM	341256.50N/0804810.81W	Y	FB	TF	175.69	27.89					

