

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KWEEN	ONE	KWEEN1.KWEEN	NONE		21 JUL 2016

TYPE: RNAV SID

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 PITRW 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 PITRW 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, ROWAN COUNTY, 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 PITRW TRANSITION. MAINTAIN 3000, EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

GASTONIA MUNI

TAKEOFF RWY 3: CLIMBING 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.

ROWAN COUNTY

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



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TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
PITRW	KWEEN1.PITRW	KWEEN	UNJAM	182.69	27.89	11100	1900	
			TASTY	182.85	42.69	FL 180		
			PITRW	134.67	74.70	FL 180		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

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 250 KIAS, IF UNABLE, ADVISE ATC.

NOTE: 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:

CHARLOTTE/DOUGLAS INTL

RWY 18C, 18L, 18R, 23, 36C, 36R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1260. **RWY 5,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300.

RWY 36L, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400.

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.

LINCOLN-TON-LINCOLN COUNTY RGNL

RWY 5, 23, STANDARD.

LANCASTER COUNTY-MC WHIRTER FIELD

RWY 6, 24, STANDARD.



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STANLY COUNTY**RWY 22L**, STANDARD**RWY 4R**, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 276 FT PER NM TO 1000.**ROWAN COUNTY****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**

NOTE: RWY 5, TREE 810 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, 854 FT LEFT OF CENTERLINE, 799 FT MSL. TREES BEGINNING 2088 FT FROM DER, 877 FT LEFT OF CENTERLINE, UP TO 821 FT MSL. TREES BEGINNING 2437 FT FROM DER, 971 FT LEFT OF CENTERLINE, UP TO 822 FT MSL. TREE 2582 FT FROM DER, 1056 FT LEFT OF CENTERLINE, 843 FT MSL. TREES BEGINNING 2608 FT FROM DER, 543 FT LEFT OF CENTERLINE, UP TO 848 FT MSL. TREE 3977 FT FROM DER, 480 FT LEFT OF CENTERLINE, 856 FT MSL.

NOTE: RWY 18C, AIRFIELD LT 11 FT FROM DER, 84 FT LEFT OF CENTERLINE, 4 FT AGL/695 FT MSL. TREE 555 FT FROM DER, 564 FT LEFT OF CENTERLINE, 711 FT MSL. TREE 1059 FT FROM DER, 762 FT RIGHT OF CENTERLINE, 729 FT MSL. TREES BEGINNING 1183 FT FROM DER, 608 FT LEFT OF CENTERLINE, UP TO 746 FT MSL. TREES BEGINNING 1478 FT FROM DER, 276 FT LEFT OF CENTERLINE, UP TO 757 FT MSL. TREE 2035 FT FROM DER, 1025 FT LEFT OF CENTERLINE, 764 FT MSL. TREES BEGINNING 2058 FT FROM DER, 182 FT RIGHT OF CENTERLINE, UP TO 771 FT MSL. TREE 2723 FT FROM DER, 971 FT LEFT OF CENTERLINE, 773 FT MSL. TREES BEGINNING 3245 FT FROM DER, 793 FT RIGHT OF CENTERLINE, UP TO 792 FT MSL. TREE 4249 FT FROM DER, 1039 FT RIGHT OF CENTERLINE, 805 FT MSL. TREE 5354 FT FROM DER, 1810 FT RIGHT OF CENTERLINE, 831 FT MSL. TREES BEGINNING 5551 FT FROM DER, 1412 FT RIGHT OF CENTERLINE, UP TO 120 FT AGL/848 FT MSL.

NOTE: RWY 18L, AIRFIELD LT 10 FT FROM DER, ON CENTERLINE, 3 FT AGL/726 FT MSL. POLE 981 FT FROM DER, 708 FT LEFT OF CENTERLINE, 64 FT AGL/763 FT MSL. TWR AND TREE BEGINNING 981 FT FROM DER, 689 FT RIGHT OF CENTERLINE, UP TO 765 FT MSL. TREE 1235 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. 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, 522 FT LEFT OF CENTERLINE, 748 FT MSL.

NOTE: RWY 23, MALSR 1 FT FROM DER, ON CENTERLINE, 706 FT MSL. CONTROL BOX 1 FT FROM DER, 136 FT RIGHT OF CENTERLINE, 4 FT AGL/708 FT MSL. TREE 1270 FT FROM DER, 772 FT RIGHT OF CENTERLINE, 742 FT MSL. TREE 1310 FT FROM DER, 771 FT RIGHT OF CENTERLINE, 753 FT MSL. TREE 1477 FT FROM DER, 702 FT RIGHT OF CENTERLINE, 757 FT MSL. TREES BEGINNING 1573 FT FROM DER, 654 FT RIGHT OF CENTERLINE, UP TO 758 FT MSL. TREES BEGINNING 1728 FT FROM DER, 541 FT RIGHT OF CENTERLINE, UP TO 762 FT MSL. TREES BEGINNING 1814 FT FROM DER, 597 FT RIGHT OF CENTERLINE, UP TO 775 FT MSL. TREE 1844 FT FROM DER, 805 FT RIGHT OF CENTERLINE, 776 FT MSL. TREES BEGINNING 1944 FT FROM DER, 697 FT RIGHT OF CENTERLINE, UP TO 792 FT MSL. TREES BEGINNING 2242 FT FROM DER, 361 FT RIGHT OF CENTERLINE, UP TO 811 FT MSL.

NOTE: RWY 36C, AIRFIELD LT 4 FT FROM DER, 11 FT LEFT OF CENTERLINE, 1 FT AGL/743 FT MSL. TREES BEGINNING 1246 FT FROM DER, 598 FT RIGHT OF CENTERLINE, UP TO 822 FT MSL. TREES BEGINNING 1937 FT FROM DER, 446 FT RIGHT OF CENTERLINE, UP TO 823 FT MSL. TREES BEGINNING 2045 FT FROM DER, 237 FT RIGHT OF CENTERLINE, UP TO 827 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.



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KWEEN	ONE	KWEEN1.KWEEN	NONE		21 JUL 2016

NOTE: RWY 36R, APRT SIGN 19 FT FROM DER, 289 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 AND RAILROAD, BEGINNING 640 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 775 FT MSL. LT POLE AND TREE BEGINNING 837 FT FROM DER, 500 FT RIGHT OF CENTERLINE, UP TO 777 FT MSL. TREE 943 FT FROM DER, 650 FT LEFT OF CENTERLINE, 771 FT MSL. POLE 1004 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, 585 FT LEFT OF CENTERLINE, 782 FT MSL. TREE 1396 FT FROM DER, 646 FT RIGHT OF CENTERLINE, 784 FT MSL. TREES BEGINNING 1475 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 805 FT MSL. TREE 1612 FT FROM DER, 732 FT RIGHT OF CENTERLINE, 787 FT MSL. TREE AND 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 2053 FT FROM DER, 90 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, 324 FT LEFT OF CENTERLINE, UP TO 823 FT MSL. TREE 2457 FT FROM DER, 919 FT LEFT OF CENTERLINE, 830 FT MSL. TOWER 3685 FT FROM DER, 1160 FT RIGHT OF CENTERLINE, 70 FT AGL/844 FT MSL. TREE 3737 FT FROM DER, 392 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 3759 FT FROM DER, 433 FT LEFT OF CENTERLINE, UP TO 851 FT MSL. TREES BEGINNING 3774 FT FROM DER, 578 FT RIGHT OF CENTERLINE, UP TO 852 FT MSL. TREES BEGINNING 3803 FT FROM DER, 171 FT LEFT OF CENTERLINE, UP TO 863 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/736 FT 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.

LINCOLN-TON-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.

QUALITY
3
CHECKED

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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.

ROWAN COUNTY

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.
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).
RWY 36L: 2754 FT MSL TOWER 352049.00N/081014.00W (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).

LINCOLNTON-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).

ROWAN COUNTY

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:

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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.

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

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

STANLY COUNTY - CHART: TOP ALTITUDE 3000.

ROWAN COUNTY - 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:

CHARLOTTE/DOUGLAS INTL (KCLT)

CONCORD RGNL (KJQF)

GASTONIA MUNI (KAKH)

CHARLOTTE-MONROE EXECUTIVE (KEQY)

LINCOLNNTON-LINCOLN COUNTY RGNL (KIPJ)

LANCASTER COUNTY-MC WHIRTER FIELD (KLKR)

STANLY COUNTY (KVUJ)

ROWAN COUNTY (KRUQ)

ROCK HILL/YORK CO/BRYANT FIELD (KUZA)

CHARLOTTE, NC

CONCORD, NC

GASTONIA, NC

MONROE, NC

LINCOLNNTON, NC

LANCASTER, SC

ALBEMARLE, NC

SALISBURY, NC

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.

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

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

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

ROWAN COUNTY: AWOS, CLNC DEL, UNICOM, DEP CON.

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



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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. ROWAN COUNTY RWY 20 CLIMB GRADIENT ROUNDED TO 205 FT PER NM FOR PUBLICATION (COMPUTED VALUE 202 FT PER NM).
3. AFS APPROVAL REQUESTED FOR AIRPORTS OUTSIDE EXTENDED MAXIMUM INTERCEPT ANGLES (STANLY COUNTY, LANCASTER COUNTY-MC WHIRTER FIELD AND CHARLOTTE-MONROE EXECUTIVE).

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH: Apr 27, 2016

ATA, ALPA, APA, AOPA, NBAA, ZTL, CLT APP CON, CLT ATCT, JQF ATCT, VUJ ATCT, AMGR(S).

CHANGES:

ORIGINAL

REASONS:

ATC REQUEST



DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
KWEEN		ONE	KWEEN1.KWEEN				NONE		21 JUL 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW05 (AER)	351232.23N/0805659.80W	N	-	-	-	-			
1260 MSL	-	-	-	VA	048.47	-			CG 500 FT/NM TO 1300
		-	-	VM	048.00	-			
HMPY	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	-			
HMPY	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	-			
HMPY	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	-			
HMPY	344810.63N/0805137.73W	Y	FB	DF		-			
RW23 (AER)	351321.42N/0805552.12W	N	-	-	-	-			
1260 MSL		-	-	VA	228.48	-			CG 500 FT/NM TO 1260
		-	-	VM	228.00	-			
HMPY	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	-			
HMPY	344810.63N/0805137.73W	Y	FB	DF	-	-			

DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
KWEEN		ONE		KWEEN1.KWEEN			NONE			21 JUL 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW36L (AER)	351202.23N/0805755.07W	N	-	-	-	-			CG 500 FT/NM TO 1400	
1260 MSL		-	-	VA	355.96	-				
		-	-	VM	308.00	-				
HMPY	344810.63N/0805137.73W	Y	FB	DF	-	-				
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	355.97	-				
		-	-	VM	018.00	-				
HMPY	344810.63N/0805137.73W	Y	FB	DF	-	-				
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	-	-			KWEEN1.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				

QUALITY
3
CHECKED