

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

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TAR HEEL	NINE	TARL9.RDU	EIGHT	04/03/2014	30 APRIL 2015

TYPE: SID

DP ROUTE DESCRIPTION:

RWY 5L/5R: CLIMB HEADING 052.14 OR AS ASSIGNED BY ATC, THENCE...;
 RWY 14: CLIMB HEADING 142.15 OR AS ASSIGNED BY ATC, THENCE...;
 RWY 23L: CLIMB HEADING 232.15 OR AS ASSIGNED BY ATC, THENCE...;
 RWY 23R: CLIMB HEADING 232.16 OR AS ASSIGNED BY ATC, THENCE...;
 RWY 32: CLIMB HEADING 322.15 OR AS ASSIGNED BY ATC, THENCE...;

... EXPECT VECTORS TO JOIN FILED ROUTE/FIX. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
CAROLINA BEACH	TARL9.CLB	RDU VORTAC	ROZBO INT	176.00 (RDU R-176)	55.40	5000	3100	
			CLB NDB	156.25 (CLB 156 BRG)	60.69	FL180		
CHARLESTON	TARL9.CHS	RDU VORTAC	ROZBO INT	176.00 (RDU R-176)	55.40	5000	3100	
			CHS VORTAC	214.30 (CHS R-034)	142.18	FL180		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.

NOTE: CAROLINA BEACH TRANSITION: ADF REQUIRED.

NOTE: SPECIAL INSTRUCTIONS/CHS TRANSITION: IF NOT RECEIVING CHS AT ROZBO, FLY HEADING 215 UNTIL RECEIVING CHS SUITABLE FOR NAVIGATION.

TAKEOFF MINIMUMS:

RWY 5L, 5R. STANDARD.

RWY 14 STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 2700.

RWY 23L STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2700.

RWY 23R STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 2700.

RWY 32, 300-1.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 5L, TREES 3802 FT FROM DER, 1237 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/506 FT MSL. TANK AND TREES BEGINNING 2011 FT FROM DER, 948 FT RIGHT OF CENTERLINE, UP TO 138 FT AGL/547 FT MSL.

NOTE: RWY 5R, TREES 1436 FT FROM DER, 803 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/469 FT MSL.

NOTE: RWY 14, TREES BEGINNING 2021 FT FROM DER, 510 FT LEFT OF CENTERLINE, UP TO 116 FT AGL/545 FT MSL. TREES BEGINNING 2467 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/571 FT MSL.

NOTE: RWY 23L, TREES 1495 FT FROM DER, 797 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/447 FT MSL. LIGHT POLE 1457 FT FROM DER, 878 FT RIGHT OF CENTERLINE, 93 FT AGL/452 FT MSL.



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RWY 32, LIGHT POLES BEGINNING 1170 FT FROM DER, 618 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/486 FT MSL. HANGAR 1242 FT FROM DER, 753 FT RIGHT OF CENTERLINE, 34 FT AGL/473 FT MSL. CONTROL TOWER 2207 FT FROM DER, 910 FT RIGHT OF CENTERLINE, 231 FT AGL/660 FT MSL.

CONTROLLING OBSTACLES:

RWY 14: 2048 FT MSL TOWER, 354251.00N/0784903.00W
RWY 23L: 2048 FT MSL TOWER, 354251.00N/0784903.00W
RWY 23R: 2048 FT MSL TOWER, 354251.00N/0784903.00W
RWY 32: 660 FT MSL CONTROL TOWER, 355252.00N/0784709.00W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

RALEIGH-DURHAM INTL.

RALEIGH/DURHAM, NC.

COMMUNICATIONS:

ATIS, ASOS, CLEARANCE DELIVERY, DEPARTURE CONTROL

FIXES AND/OR NAVAIDS:

CHART FAY VORTAC



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REMARKS:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH: Feb 13, 2015

ATA, ALPA, APA, AOPA, NBAA, ZDC, RDU DEP CON, AIRPORT MANAGER

CHANGES:

1. CHANGED ROUTE DESCRIPTION TO INCLUDE "OR AS ASSIGNED BY ATC, THENCE... EXPECT VECTORS TO JOIN FILED ROUTE/FIX".
2. UPDATED TAKEOFF MINIMUMS TO REFLECT CLIMB GRADIENTS USED ON DVA.

REASONS:

1. DVA WAS ADDED PER ATC REQUEST – WORDING CHANGED TO CLEAR AN ATSAP REQUEST.
2. TO MATCH DVA MINIMUMS.

12/04/14: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/08/14.

1. TRANSITION ROUTE ROZBO TO CHS RADIAL CHANGED FROM 304 TO 034.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TAR HEEL	NINE	TARL9.RDU	EIGHT	04/03/2014	30 APRIL 2015

ARINC PACKET - 424-18 - SID

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAD	CHS	K7011350VTHA	N32533955W080021613	N32533955W080021613W0050000392	NARCHARLESTON							
	SUSAD	RDU	K7011720VTHW	N35522108W078470003	N35522108W078470003W0040004292	NARRALEIGH/DURHAM							
	SUSADB	CLB	K7002160H	W N34062262W077574096	W0090	NARCAROLINA BEACH							
WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAE	ENRT	ROZBO	K70	C	L	N34572378W078373722	W0090	NAR	ROZBO			
AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KRDUK7	ARDU	0	100YHN35523950W078471490W007000435	1800018000C	MNAR	RALEIGH-DURHAM INTL					
SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KRDUK7D	TARL9	2ALL	010RDU	K7D	0VE	IF		18000			
	SUSAP	KRDUK7D	TARL9	3CHS	010RDU	K7D	0V	IF		18000			
	SUSAP	KRDUK7D	TARL9	3CHS	020ROZBOK7EA0E	TF							
	SUSAP	KRDUK7D	TARL9	3CHS	030CHS	K7D	0VE	TF					
	SUSAP	KRDUK7D	TARL9	3CLB	010RDU	K7D	0V	IF		18000			
	SUSAP	KRDUK7D	TARL9	3CLB	020ROZBOK7EA0E	TF							
	SUSAP	KRDUK7D	TARL9	3CLB	030CLB	K7DBONE	TF						
RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KRDUK7GRW05L	0100000521	N35522802W078480707+0400	+0079800367000057150IIGKK1								
	SUSAP	KRDUK7GRW05R	0075000521	N35515267W078475042+0400	+0089100397000056150IIRDU2								
	SUSAP	KRDUK7GRW14	0035701422	N35523011W078465764-0200	+0099600432000050100D								
	SUSAP	KRDUK7GRW23L	0075002322	N35524498W078464582-0400	+0099200431000056150IILEI1								
	SUSAP	KRDUK7GRW23R	0100002322	N35533776W078464092-0400	+0092500409000055150IIDMP3								
	SUSAP	KRDUK7GRW32	0035703222	N35520508W078462705+0200	+0097300425000045100R								

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

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ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	RDU	010		IF		FB					
	CHS	RDU	010		IF		FB					
	CHS	ROZBO	020		TF		FB					
	CHS	CHS	030		TF		FB					
	CLB	RDU	010		IF		FB					
	CLB	ROZBO	020		TF		FB					
	CLB	CLB	030		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHS	N325339.55	W0800216.13	N3253.659	W08002.269
	RDU	N355221.08	W0784700.03	N3552.351	W07847.001
	CLB	N340622.62	W0775740.96	N3406.377	W07757.683
	ROZBO	N345723.78	W0783737.22	N3457.396	W07837.620
	RW05L	N355228.02	W0784807.07	N3552.467	W07848.118
	RW05R	N355152.67	W0784750.42	N3551.878	W07847.840
	RW14	N355230.11	W0784657.64	N3552.502	W07846.961
	RW23L	N355244.98	W0784645.82	N3552.750	W07846.764
	RW23R	N355337.76	W0784640.92	N3553.629	W07846.682
	RW32	N355205.08	W0784627.05	N3552.085	W07846.451

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05L	00367	57
	RW05R	00397	56
	RW14	00432	50
	RW23L	00431	56
	RW23R	00409	55
	RW32	00425	45

QUALITY
15
CHECKED