

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> RALEIGH-DURHAM INTL	<u>AIRPORT ID</u> KRDU	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 5R	<u>ORIGINAL/AMENDMENT</u> 3A	<u>CITY</u> RALEIGH/DURHAM	<u>STATE</u> NC
<u>AIRPORT ELEVATION</u> 435	<u>TDZE</u> 420	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 5R	<u>ORIGINAL/AMENDMENT</u> 3	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 9W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 324/30 CW 144/30	NOPT	PECIT	IF/IAF	3400
2. 144/30 CW 234/30		FOGAP	IAF	3400
3. 234/30 CW 324/30		MUTSE	IAF	3400

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MUTSE	IAF	PECIT	NOPT	TF	FB	1.00	324.12	10.00	3400
FOGAP	IAF	PECIT	NOPT	TF	FB	1.00	143.96	10.58	3400
PECIT	IF/IAF	PURME		TF	FB	1.00	054.04	5.97	2400
PURME	FAF	AMORT/1.40 NM TO RW05R		TF	FB	0.30	054.09	4.71	
AMORT/1.40 NM TO RW05R		RW05R	MAP	TF	FO	0.30	054.09	1.40	
RW05R	MAP	620 MSL		CA		1.00	054.09		
620 MSL		POBIC		DF	FB	1.00			
POBIC		ZEBUL		TF	FO	1.00	099.48	17.12	2600



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW05R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT POBIC AND ON TRACK 099.48 TO ZEBUL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)				
2.	HOLD SW PECIT, RT, 054.04 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.								
3. FAC:	054.09	FAF: PURME	DIST FAF TO MAP: 6.11	DIST FAF TO THLD: 6.11					
4. MIN ALT:	PECIT 3400, PURME 2400, AMORT/1.40 NM TO RW05R 900*								
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.52	GS ANT:				
6. MIN GP INCPT: 2400	GP ALT AT FAF : PURME 2400			OM:		MM:		IM:	
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 56.3						
8. MSA FROM:									

PBN REQUIREMENTS NOTES:

RNP APCH.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 54C (130F).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
*LNAV ONLY
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WAAS CHANNEL #90213
REFERENCE PATH ID: W05B
CHART FAS OBST: 527 TREE 355144N/0784731W.
HOLD E, RT, 271.06 INBOUND
LTP HAE: 89.1 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2



CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	620	2400	200	620	2400	200	620	2400	200	620	2400	200			
LNAV/VNAV DA	710	2400	290	710	2400	290	710	2400	290	710	2400	290			
LNAV MDA	780	2400	360	780	2400	360	780	3000	360	780	3000	360			
CIRCLING	960	1	525	960	1	525	1040	1 3/4	605	1180	2 1/2	745			

CHANGES - REASONS

1. CHANGED HEADING FROM POBIC TO ZEBUL FROM 97.48 TO 99.48 IN MISSED APPROACH INSTRUCTIONS. - HEADING CHANGE MISSED ON LAST AMENDMENT FOR UPDATED AIRPORT MAGNETIC VARIATION.





FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRDU
RUNWAY	RW05R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05B
LTP/FTP LATITUDE	355152.6680N
LTP/FTP LONGITUDE	0784750.4170W
LTP/FTP ELLIPSOIDAL HEIGHT	+00891
FPAP LATITUDE	355255.6040N
FPAP LONGITUDE	0784632.6980W
THRESHOLD CROSSING HEIGHT (TCH)	00056.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	610CC6FE
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01212
FPAP ORTHOMETRIC HEIGHT	+01212

