

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW23L CLIMB TO 3100 DIRECT FISUX AND LEFT TURN ON TRACK 177.63 TO GURBE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 013.86 INBOUND. CHART FAS OBST: 659 ATCT 355252N/0784709W. 735 AAO 355551N/0784306W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.36 NM TO RW23L* *LNAV ONLY. WAAS CHANNEL # 65713 REFERENCE PATH ID: W23B CHART CIRCLING ICON. LTP HAE: 99.2 M						
HAVGU (IAF)		DOCAT (NOPT) (TF) (FB) (RNP 1.00)		324.34 / 9.69				3400								
ODICA (IAF)		DOCAT (NOPT) (TF) (FB) (RNP 1.00)		144.18 / 10.57				3400								
DOCAT (IF/IAF)		APUCU (TF) (FB) (RNP 1.00)		234.25 / 7.94				1800								
APUCU (FAF)		LEPEC/2.30 NM TO RW23L (TF) (FB) (RNP 0.30)		234.19 / 1.83												
LEPEC/2.30 NM TO RW23L		RW23L (MAP) (TF) (FO) (RNP 0.30)		234.19 / 2.30												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE DOCAT, RT, 234.25 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: 234.19 FAF: APUCU DIST FAF TO MAP: 4.12 THLD: 4.12 4. MIN. ALT: DOCAT 3400, APUCU 1800, LEPEC/2.30 NM TO RW23L 1200* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: APUCU 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.8 20:1 IS CLEAR 34:1 IS CLEAR 8. MSA FROM: _____																
										MAG VAR: 9W			EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	635	1800	200	635	1800	200	635	1800	200	635	1800	200				
LNAV/VNAV DA	820	3500	385	820	3500	385	820	3500	385	820	3500	385				
LNAV MDA	920	2400	485	920	2400	485	920	5000	485	920	5000	485				
CIRCLING	960	1	525	960	1	525	1040	1 3/4	605	1180	2 1/2	745				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 54C (130F). @ CAT D 800-2 1/2 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. CHART NOTE; USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 435 TDZE: 435				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
RALEIGH/DURHAM, NC		AIRPORT NAME:				RALEIGH-DURHAM INTL		RNAV (GPS) Y RWY 23L, AMDT 2, 05/24/2018				AMDT: 1B				
												DATED 08/17/2017				

QUALITY
 4
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW23L (MAP)	635 MSL (CA)	234.19	
635 MSL	FISUX (DF) (FB) (RNP 1.00)		635
FISUX	GURBE (TF) (FO) (RNP 1.00)	177.63 / 8.71	3100

NOTES, (CONT.):

EQUIPMENT REQUIREMENTS NOTE: RNP APCH.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	144/30 CW 324/30 (NOPT)	DOCAT (IF/IAF) (FB)	3400
2.	324/30 CW 054/30	HAVGU (IAF) (FB)	3400
3.	054/30 CW 144/30	ODICA (IAF) (FB)	3400

QUALITY
4
CHECKED

CITY AND STATE RALEIGH/DURHAM, NC	ELEVATION: 435 AIRPORT NAME: RALEIGH-DURHAM INTL	TDZE: 435 RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 23L, AMDT 2, 05/24/2018	SUP:
				AMDT: 1B
				DATED: 08/17/2017

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRDU
RUNWAY	RW23L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23B
LTP/FTP LATITUDE	355244.9830N
LTP/FTP LONGITUDE	0784645.8170W
LTP/FTP ELLIPSOIDAL HEIGHT	+00992
FPAP LATITUDE	355142.0460N
FPAP LONGITUDE	0784803.5310W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
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

81B19EE9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01313
FPAP ORTHOMETRIC HEIGHT	+01313

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CITY AND STATE RALEIGH/DURHAM, NC	ELEVATION: 435 TDZE: 435 AIRPORT NAME: RALEIGH-DURHAM INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 23L, AMDT 2, 05/24/2018	SUP:
				AMDT: 1B
				DATED: 08/17/2017