

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**ILS STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.29**

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> ILS OR LOC RWY 5R ILS RWY 5R SA CAT I, ILS RWY 5R SA CAT II	<u>ORIGINAL/AMENDMENT</u> 30	<u>CITY</u> RALEIGH/DURHAM	<u>STATE</u> NC	
<u>AIRPORT ELEVATION</u> 435	<u>TDZE</u> 420	<u>SUPERSEDED</u> ILS OR LOC RWY 5R	<u>ORIGINAL/AMENDMENT</u> 29A	<u>DATED</u> 10/11/2018	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-RDU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
PECIT/I-RDU 13.47 DME/RADAR	IF/IAF	PURME/I-RDU 7.50 DME/RADAR					054.14	5.97 (I-RDU)	2400

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: I-RDU 1.39 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2600 ON HEADING 130 AND ON RDU VORTAC R-092 TO ZEBUL INT/RDU 19.64 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2600 ON HEADING 095 AND ON TYI VORTAC R-269 TO ZEBUL INT/TYI 33.34 DME AND HOLD.

**PROFILE:**

- PT      **SIDE OF COURSE**      **OUTBOUND**      **FT WITHIN**      **MILES OF (IAF)**
- PROFILE STARTS AT PECIT
- FAC:** 054.14      **FAF:** PURME/I-RDU 7.50 DME/RADAR      **DIST FAF TO MAP:**      **DIST FAF TO THLD:** 6.11
- MIN ALT:** PECIT/I-RDU 13.47 DME/RADAR 4000, PURME/I-RDU 7.50 DME/RADAR 2400, AMORT/I-RDU 2.79 DME 900\*
- DIST TO THLD FROM OM:**      **MM:**      **IM:**      **100 HAT:** 1263.00      **150 HAT:** 2217.00      **GS ANT:** 1025
- MIN GS INCPT:** 2400      **GS ALT AT FAF :** PURME/I-RDU 7.50 DME/RADAR 2400      **OM:**      **MM:**      **IM:**
- GP ANGLE:** 3.00      **34:1:**      **20:1:**      **TCH:** 56.3
- MSA FROM:** RDU VORTAC 3400

**EQUIPMENT REQUIREMENTS NOTES:**

RADAR REQUIRED FOR PROCEDURE ENTRY.  
DME REQUIRED FOR LOC ONLY.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 5R: CAT A, B, C, D RA 230, RVR 1400, HAT 150, DA 570 MSL.



SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 5R: CAT A, B, C, D RA 183, RVR 1200, HAT 100, DA 520 MSL.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

\*LOC ONLY

CHART PROFILE NOTE: USE I-RDU DME WHEN ON THE LOCALIZER COURSE.

CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.

CHART FAS OBST: 451 TREE 355136N/0784757W.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W ZEBUL INT/TYI 33.34 DME, RT, 088.55 INBOUND.

HOLD E, RT, 271.91 INBOUND

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 800-2 1/2

<b><u>CATEGORY:</u></b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
S-ILS 05R**	620	2400	200	620	2400	200	620	2400	200	620	2400	200			
S-LOC 05R	760	2400	340	760	2400	340	760	2600	340	760	2600	340			
CIRCLING	960	1	525	960	1	525	1020	1 1/2	585	1180	2 1/2	745			

**CHANGES - REASONS**

1. ADDED SA CAT I AND SA CAT II MINIMUMS AND ASSOCIATED NOTES - ATC REQUEST.
2. DELETED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC-5R CAT C/D VISIBILITY TO 1 3/8 SM" FROM NOTES SECTION - NO LONGER REQUIRED DUE TO SDF ALWAYS BEING RECEIVED.
3. ADDED "CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA" - IAW 8400.13D CHAPTER 2.
4. LOWERED CIRCLING MDA/VIS/HAA FROM 1040/ 1 3/4/605 TO 1020/1 1/2/585 - NEW CONTROLLING OBSTACLE.
5. UPDATED ZEBUL FIX DESCRIPTION IN THE MA INSTRUCTIONS FROM "ZEBUL INT" TO "ZEBUL INT/RDU VORTAC 19.64 DME" - THE FULL FIX DESCRIPTION WAS INADVERTENTLY REMOVED FROM ADMT 29.

09/25/18: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 6/29/18.

1. ADDED THE FULL FIX DESCRIPTION OF "ZEBUL INT/RDU 19.64 DME" TO THE MA INSTRUCTIONS - IAW 8260-19H 8-2-6.D.
2. ADDED THE FULL FIX DESCRIPTION OF "ZEBUL INT/TYI 33.34 DME" TO THE ALTERNATE MISSED INSTRUCTIONS - IAW 8260-19H 8-2-6.D.
3. CORRECTED ALTERNATE MISSED HOLDING IN ADDITIONAL FLIGHT DATA FROM "HOLD W ZEBUL INT/RDU VORTAC 19.64 DME, RT, 088.55 INBOUND" TO "HOLD W ZEBUL INT/TYI 33.34 DME, RT, 088.55 INBOUND."
4. DELETED "CHART IN PLANVIEW: ZEBUL INT/RDU VORTAC 19.64 DME" (PDF EDIT) - ZEBUL IS ALREADY USED IN THE PROCEDURE.



**COORDINATED WITH:**

**A4A** ☒    **ALPA** ☒    **AOPA** ☒    **APA** ☒    **HAI** ☐    **NBAA** ☒    **OTHER:** AIRPORT MANAGER, ZDC, RDU ATC

<u>FLIGHT CHECKED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
KEVIN JOHN RIESE	<b>DONALD H LANIER</b>	FIOG	09/19/2018	
	Sep 27, 2018			
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
DONALD H. LANIER (JACOB MAXFIELD)	<b>DONALD H LANIER</b>	AJV-5431	06/29/2018	
	Sep 27, 2018			
<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
PATRICK MULQUEEN	<b>DONALD H LANIER</b>	AJV-5430		MANAGER
	Sep 27, 2018			

