

**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 5L	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> RALEIGH/DURHAM	<u>STATE</u> NC	
<u>AIRPORT ELEVATION</u> 435	<u>TDZE</u> 384	<u>SUPERSEDED</u> ILS OR LOC RWY 5L	<u>ORIGINAL/AMENDMENT</u> 5B	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-GKK	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
OTTOS	IAF	CHWDR/16.26 DME		TF	FB	1.00	067.92	6.38	5000
CHWDR/16.26 DME	IAF	BOULE/13.12 DME					054.14	3.14 (I-GKK)	4000
BOULE/13.12 DME		SCHOO/10.47 DME/RADAR					054.14	2.65 (I-GKK)	3000
SCHOO/10.47 DME/RADAR	IF	WEPAS/7.47 DME/RADAR					054.14	3.00 (I-GKK)	2200

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.58 NM AFTER WEPAS/I-GKK 7.47 DME/RADAR OR AT I-GKK 1.89 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2200 ON HEADING 310 AND RDU VORTAC R-356 TO DUHAM INT/RDU 11.02 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2200 ON HEADING 350 AND SBV VORTAC R-172 TO DUHAM INT AND HOLD

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CHWDR
- FAC: 054.14 FAF: WEPAS/7.47 DME/RADAR DIST FAF TO MAP: 5.58 DIST FAF TO THLD: 5.58
- MIN ALT: CHWDR/16.26 DME 5000, BOULE/13.12 DME 4000, SCHOO/10.47 DME/RADAR 3000, WEPAS/7.47 DME/RADAR 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1000
- MIN GS INCPT: 2200 GS ALT AT FAF: WEPAS/7.47 DME/RADAR 2200 OM: MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 57.4
- MSA FROM: RDU VORTAC 3400



CHANGES - REASONS

1. ADDED TRANSITION FROM OTTOS (IAF) TO SCHOO (IF) - PER FPT CHECKLIST.
2. CHANGED INTERMEDIATE LENGTH FROM 7.15 TO 3.00 - SCHOO (IF) MOVED 3.76 NM NE AND WEPAS (FAF) MOVED 0.39 NM SW. /FPT CHECKLIST.
3. CHANGED DIST FAF TO MAP/THLD FROM 5.19 TO 5.58 - WEPAS (FAF) MOVED 0.39 NM SW.
4. RAISED S-ILS 5L DA/HAT FROM 595/211 ALL CATS TO 598/214 ALL CATS - MISSED PENETRATION ADJUSTMENT CHANGED FROM 11 FT TO 14 FT.
5. RAISED WEPAS (FAF) MIN ALTITUDE FROM 2100 TO 2200 - PER FPT CHECKLIST.
6. LOWERED CIRCLING CAT C CMDA/HAA FROM 1040/605 TO 1020/585. - NEW OBSTACLE EVALUATION.
7. DELETED EQUIPMENT REQUIREMENTS NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY. - ADDED " RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY".
8. ADDED NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 5L CAT C/D VISIBILITY TO 1 3/8 SM. - NEW VISCHECK CALCULATION.
9. INCREASED S-LOC 5L CAT C VISIBILITY FROM RVR 40 TO RVR 50. - NEW VISCHECK CALCULATION.
10. CHANGED CIRCLING CAT C VISIBILITY FROM 1 3/4 SM TO 1 1/2 SM. - NEW VISCHECK CALCULATION.
11. CHANGED ADDITIONAL FLIGHT DATA NOTE: DISTANCE VDP TO THLD 1.39 NM TO DISTANCE VDP TO THLD 1.38 NM. - TARGETS CALCULATION.
12. CHANGED EQUIPMENT REQUIREMENTS NOTE: FROM "DME OR RADAR REQUIRED" TO "DME OR RADAR REQUIRED FOR LOC ONLY".
13. ADDED NOTE: CHART SPEED ICON IN PLANVIEW AT OTTOS: MAX 210 KIAS. - TRANSITION FROM STANDARD TERMINAL ARRIVAL ROUTE.
14. ADDED NOTE: CHART MANDATORY 6000 AT OTTOS. - TRANSITION FROM STANDARD TERMINAL ARRIVAL ROUTE.

2/23/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/31/2019.

1. CHWDR FIX CHANGED FROM A WAYPOINT TO A DME FIX FROM I-GKK LOCALIZER: CHWDR/16.26 DME.
2. PRANK FIX CHANGED FROM A WAYPOINT TO A DME FIX FROM I-GKK LOCALIZER: PRANK/13.12 DME.
3. EQUIPMENT REQUIREMENTS NOTES CHANGED FROM:RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY TO RNAV 1-DME/DME/IRU OR GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.
4. PROFILE LINE 2 CHANGED FROM PROFILE STARTS AT SCHOO TO CHWDR/16.26 DME.

4/22/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/31/2019.

1. PRANK DME FIX REPLACED BY BOULE DME FIX.
2. CHANGED CHART FAS OBST: 566 POLE 355038N/0785059W TO FAS OBST: 590 AAO 354856N/0785212W.
3. CHANGED ADDITIONAL FLIGHT DATA: CHART VDP AT 3.27 DME* TO 3.14 DME*.
4. CHANGED ADDITIONAL FLIGHT DATA: DISTANCE VDP TO THLD 1.38 NM TO 1.25 NM.
5. CHANGED S-LOC 05L ALL CATS MDA/HAT FROM 880/496 TO 840/456.
6. CHANGED S-LOC 05L CAT C/D VISIBILITY FROM RVR 5000 TO 4500.
7. DELETED CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 5L CAT C/D VISIBILITY TO 1 3/8 SM.
8. DELETED ADDITIONAL FLIGHT DATA: CHART 579 TOWER 354803N/0785221W.
9. ADDED NOTE: CHART SPEED ICON AT CHWDR: MAX 210 KIAS.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAL ☐ NBAA ☒

OTHER: AIRPORT MANAGER, ZDC, RDU ATC

FLIGHT CHECKED BY

GEORGE E SEARLES

Digitally signed by

JON DENTON

Dec 14, 2020

OFFICE

FICO

DATE

12/9/2020

DEVELOPED BY

WARDELL HENNING (THOR CORNELL)

Digitally signed by

JON DENTON

Dec 14, 2020

OFFICE

AJV-A432

DATE

12/31/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Dec 14, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

