

**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> CHARLOTTE/DOUGLAS INTL	<u>AIRPORT ID</u> KCLT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 36C ILS RWY 36C (CAT II), ILS RWY 36C (CAT III)	<u>ORIGINAL/AMENDMENT</u> 17	<u>CITY</u> CHARLOTTE	<u>STATE</u> NC	
<u>AIRPORT ELEVATION</u> 748	<u>TDZE</u> 707	<u>SUPERSEDED</u> ILS OR LOC RWY 36C ILS RWY 36C (CAT II), ILS RWY 36C (CAT III)	<u>ORIGINAL/AMENDMENT</u> 16D	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-DQG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 SEPTEMBER 2019	<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>
SOLMN/CLT 22.17 DME/RADAR	IAF	KRISL/CLT 19.02 DME/RADAR					002.96	3.15 (I-DQG)	7000
KRISL/CLT 19.02 DME/RADAR		HUNEX/CLT 15.87 DME/RADAR					002.96	3.15 (I-DQG)	6000
HUNEX/CLT 15.87 DME/RADAR		DENNE INT/CLT 12.74 DME/RADAR					002.96	3.15 (I-DQG)	5000
DENNE INT/CLT 12.74 DME/RADAR		MARJO/CLT 9.57 DME/RADAR					002.96	3.15 (I-DQG)	4000
MARJO/CLT 9.57 DME/RADAR	IF	NIVSE/CLT 6.42 DME/RADAR					002.96	3.15 (I-DQG)	3000
NIVSE/CLT 6.42 DME/RADAR		GLASI/CLT 4.84 DME/RADAR					002.96	1.58 (I-DQG)	2500

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.42 NM AFTER GLASI/CLT 4.84 DME/RADAR

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 ON CLT VOR/DME R-001 TO TOMME/CLT 15.42 DME.

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

CLIMB TO 3000 ON HEADING 003 AND ON BZM VOR/DME R-158 TO TOMME/BZM 28.45 DME AND HOLD (DME REQUIRED).



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT SOLMN

3. FAC: 002.96      FAF: GLASI/CLT 4.84 DME/RADAR      DIST FAF TO MAP: 5.42      DIST FAF TO THLD: 5.42

4. MIN ALT: SOLMN/CLT 22.17 DME/RADAR 8000, KRISL/CLT 19.02 DME/RADAR 7000, HUNEX/CLT 15.87 DME/RADAR 6000, DENNE INT/CLT 12.74 DME/RADAR 5000, MARJO/CLT 9.57 DME/RADAR 4000, NIVSE/CLT 6.42 DME/RADAR 3000, GLASI/CLT 4.84 DME/RADAR 2500

5. DIST TO THLD FROM OM:      MM:      IM: 1139      100 HAT: 1101      150 HAT:      GS ANT: 960

6. MIN GS INCPT: 2500      GS ALT AT FAF : GLASI/CLT 4.84 DME/RADAR 2500      OM:      MM:      IM: 809

7. GP ANGLE: 3.00      34:1:      20:1:      TCH: 57.1

8. MSA FROM: CLT VOR/DME 3800

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.  
DME OR RADAR REQUIRED.

NOTES:

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 36C: CAT A, B, C, D RA 126, RVR 1200, HAT 100, DA 807 MSL.  
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 36C: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 700. CAT IIIc NA.

CHART NOTE: CIRCLING NA AT NIGHT.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: DQG ILS LLZ RWY 36C UNUSABLE FOR ROLLOUT GUIDANCE.

ADDITIONAL FLIGHT DATA:

CHART LOC RWY 36R/36L.  
CHART CIRCLING ICON.  
CHART IN PLANVIEW: TOMME  
CHART FAS OBST: 870 TOWER 350932N/0805660W.  
CHART 962 MONUMENT 350614N/0805627W.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N TOMME, LT, 158.46 INBOUND.  
HOLD N, RT, 181.29 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C 800-2 1/4, 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
S-ILS 36C	907	1800	200	907	1800	200	907	1800	200	907	1800	200			
S-LOC 36C	1120	2400	413	1120	2400	413	1120	2400	413	1120	2400	413			
CIRCLING	1380	1	632	1380	1	632	1500	2 1/4	752	1500	2 1/2	752			

**CHANGES - REASONS**

- 1. DELETED CHART PLANVIEW NOTE: RADAR REQUIRED. - NO LONGER REQUIRED IAW 8260.19H 8-6-8.
- 2. UPDATED CHART NOTE FROM VGSI AND ILS GLIDEPATH NOT COINCIDENT TO CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - UPDATED NOTE FORMAT
- 3. REMOVED CHART NOTE: DME OR RADAR REQUIRED REPLACED WITH EQUIPMENT REQUIREMENT NOTE: DME OR RADAR REQUIRED AND RADAR REQUIRED FOR PROCEDURE ENTRY. - CHARTING REQUIREMENTS IAW 8260.19H 8-6-8.
- 4. UPDATED MISSED HOLDING FIX TOMME DME FROM CLT FROM 15.31 TO 15.42 - TOMME MOVED 752 FT NORTH
- 5. UPDATED ALT MISSED INSTRUCTION FROM CLIMB TO 3000 ON HEADING 003 AND ON BZM VOR/DME R-159 TO TOMME/BZM 28.57 DME AND HOLD (DME REQUIRED) TO CLIMB TO 3000 ON HEADING 003 AND ON BZM VOR/DME R-158 TO TOMME/BZM 28.45 DME AND HOLD. - TOMME MOVED 752 FT NORTH.
- 6. UPDATED ADDITIONAL FLIGHT DATA ALTERNATE MA HOLDING COURSE FROM 158.56 TO 158.46 INBOUND. - TOMME MOVED.
- 7. ADDED ALTERNATE MINIMUMS LOC CAT C AND D -IAW 8260.3D CH 3.
- 8. TERMINAL ROUTE DENNE INT CHANGED FROM 12.72 DME TO 12.74 DME - RECALCULATED DISTANCE USING DME LAT/LONG.

**COORDINATED WITH:**

**A4A** ☒    **ALPA** ☒    **AOPA** ☒    **APA** ☒    **HAI** ☐    **NBAA** ☒    **OTHER:** ZTL, CLT TRACON, AIRPORT MANAGER, CLT ATCT

<b>FLIGHT CHECKED BY</b>	PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DATED OCTOBER 3, 2018 SUBJECT: FLIGHT INSPECTION NOT REQUIRED.	<b>OFFICE</b>	<b>DATE</b>
	<i>Digitally signed by</i> <b>CASIMIR L TABAKA</b> Aug 05, 2019	<b>OFFICE</b> AJV-A422	<b>DATE</b> 07/31/2019
<b>DEVELOPED BY</b> HEIDI SNIDER	<i>Digitally signed by</i> <b>HEIDI SNIDER</b> Aug 01, 2019	<b>OFFICE</b> AJV-A420	<b>DATE</b> 07/31/2019
<b>APPROVED BY</b> MARLON ROBINSON	<i>Digitally signed by</i> <b>CASIMIR L TABAKA</b> Aug 05, 2019	<b>OFFICE</b> AJV-A420	<b>TITLE</b> MANAGER

