

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 ID</u> KCHA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 20 ILS RWY 20 (CAT II)	<u>ORIGINAL/AMENDMENT</u> 37	<u>CITY</u> CHATTANOOGA	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 683	<u>TDZE</u> 673	<u>SUPERSEDED</u> ILS OR LOC RWY 20 ILS RWY 20 (CAT II)	<u>ORIGINAL/AMENDMENT</u> 36C	<u>DATED</u> 01/03/2019	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-CHA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<u>REQUIRED EFFECTIVE DATE</u> 06/15/2023	<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>
DUBBS INT		CQN NDB					255.14	20.87 (CQN BRG-075)	3900
CQN NDB	IF/IAF	HIXON OM/RADAR					201.71	3.62 (I-CHA)	2100

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 4.13 NM AFTER HIXON OM/RADAR

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3700 DIRECT CQN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT R SIDE OF COURSE 021.71 OUTBOUND 3000 FT WITHIN 10 MILES OF CQN NDB (IAF)

2.

3. FAC: 201.71 FAF: HIXON OM/RADAR DIST FAF TO MAP: 4.13 DIST FAF TO THLD: 4.13

4. MIN ALT: CQN NDB 3000, HIXON OM/RADAR 2100

5. DIST TO THLD FROM OM: 4.13 MM: IM: 100 HAT: 954.00 150 HAT: GS ANT: 1104

6. MIN GS INCPT: 2500 GS ALT AT PFAF: (CFDTJ) 2500 OM: 2039 MM: IM:

7. GS ANGLE: 3.00 34:1 20:1 TCH: 56.2

8. MSA FROM: CQN NDB 3800

**EQUIPMENT REQUIREMENTS NOTE:**

ADF REQUIRED.



**NOTES:**

CAT II CHART NOTE: SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 20: CAT A, B, C, D, RA 103, RVR 1200, HAT 100, DA 773 MSL.

CAT II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.

CHART NOTE: DISREGARD INNER MARKER INDICATION.

CAT I CHART NOTE: CIRCLING TO RWY 15, 33 NA AT NIGHT.

**ADDITIONAL FLIGHT DATA:**

CHART AT OR BELOW 6000 AT CQN NDB.

HOLD N, LT, 199.00 INBOUND.

FAS OBST: 1060 AAO 350549N/0851033W.

CHART CIRCLING ICON.

CHART IN PLANVIEW: (CFDTJ) AT 350753N/0851004W.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 900-2 1/2, CAT D 900-3, NA WHEN CONTROL TOWER CLOSED.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
S-ILS 20	873	1800	200	873	1800	200	873	1800	200	873	1800	200			
S-LOC 20	1320	2400	647	1320	2400	647	1320	1 3/8	647	1320	1 3/8	647			
CIRCLING	1320	1	637	1340	1	657	1500	2 1/2	817	1580	3	897			

CHANGES - REASONS

- 1. TERMINAL ROUTES: REMOVED COMAR, PALER, BOOPS, CRAND AND GQO VORTAC FEEDERS - PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
- 2. TERMINAL ROUTES: ADDED "INT" TO DUBBS, "CHANGED DUBBS TO CQN NDB/RADAR SEGMENT DISTANCE FROM 20.87 TO "20.87 (CQN BRG-075)" AND ALTITUDE FROM 3300 TO 3900 - ACCORDING TO CURRENT CRITERIA, ALTITUDE BASED ON NEW CONTROLLING OBSTACLE.
- 3. TERMINAL ROUTES: REMOVED "" FROM "2100"" FOR CQN NDB/RADAR TO HIXON OM/RADAR SEGMENT - NO LONGER REQUIRED BY CRITERIA.
- 4. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3100 DIRECT GQO VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100" TO "CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3700 DIRECT CQN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700" - PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
- 5. REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS - PER IFP/ATC CHECKLIST REQUEST.
- 6. PROFILE LINE 4: REMOVED "" FROM "CQN NDB/RADAR 3000, HIXON OM/RADAR 2100"" - NO LONGER REQUIRED BY CRITERIA.
- 7. PROFILE LINE 5: REMOVED "MM: 0.49"- NO LONGER APPLICABLE.
- 8. PROFILE LINE 6: CHANGED OM FROM 2055 TO 2039 - UPDATED VALUE BASED ON PROCEDURE EVALUATION.
- 9. PROFILE LINE 7: REMOVED 20:1 IS CLEAR AND 34:1 IS CLEAR - NOT APPLICABLE ON CONVENTIONAL PROCEDURES.
- 10. EQUIPMENT REQUIREMENTS NOTES: CHANGED FROM "ADF OR RADAR REQUIRED FOR PROCEDURE ENTRY" TO "ADF REQUIRED" - 8260.19I, PARA 8-6-8A(5).
- 11. REMOVED ""LOC ONLY" FROM NOTES - NO LONGER REQUIRED BY CURRENT CRITERIA.
- 12. CHANGED "CHART NOTE: WHEN CONTROL TOWER CLSD, CAT II ILS NA" TO "CAT II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED" - PER 8260.19I, PARA 8-6-11M(6).
- 13. REMOVED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 20 CAT A/B RVR TO 5500 AND CAT C/D VISIBILITY TO 1 5/8 SM" - NO LONGER APPROPRIATE.
- 14. ADDITIONAL FLIGHT DATA: REMOVED "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N, LT, 199.00 INBOUND" - ALTERNATE MISSED APPROACH REMOVED FROM PROCEDURE PER IFP/ATC CHECKLIST REQUEST.
- 15. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD SE, RT, 332.00 INBOUND" TO "HOLD N, LT, 199.00 INBOUND" - NEW MISSED APPROACH HOLDING OVER CQN NDB FACILITY.
- 16. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 973 ANTENNA 350540N/0851101W" TO "FAS OBST: 1060 AAO 350549N/0851033W" - NEW CONTROLLING OBSTACLE.
- 17. ADDITIONAL FLIGHT DATA: ADDED "CHART IN PLANVIEW: (CFDTJ) AT 350753N/0851004W" - PER 8260.19I, PARA 8-6-10P.
- 18. ADDITIONAL FLIGHT DATA: ADDED "CHART AT OR BELOW 6000 AT CQN NDB" - PER 8260.19I, PARA 8-6-10N.
- 19. ADDITIONAL FLIGHT DATA: REMOVED 7:1 OBSTACLE "CHART: 1080 TANK 350638N/0850944W" - NEW TERRAIN EVALUATION DOES NOT SHOW ANY 7:1 TO OBSTACLES.
- 20. CHANGED ALTERNATE MINIMUMS FROM "ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 900-3, NA WHEN CONTROL TOWER CLOSED" TO "ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 900-2 1/2, CAT D 900-3, NA WHEN CONTROL TOWER CLOSED" - PER 8260.19I, 8-6-11B(5)&(6).
- 21. CHANGED S-LOC 20 CATS C AND D VISIBILITY FROM 1 1/4 SM TO 1 3/8 SM - PER UPDATED 8260.3E VIS TABLES.
- 22. CHANGED CIRCLING CAT A MDA/HAA FROM 1300/617 TO 1320/637 - INCREASED TO MATCH LOC STRAIGHT IN MDA.
- 23. CAT C MDA/HAA FROM 1480/797 TO 1500/817 AND CAT C VISIBILITY FROM 2 1/4 SM TO 2 1/2 SM - NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E VIS TABLES.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZTL, CHA APP CON, CHA ATCT, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by  
CASIMIR L TABAKA  
Mar 24, 2023

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by  
CASIMIR L TABAKA

OFFICE

AJV-A432

DATE

01/12/2023

APPROVED BY

CASIMIR TABAKA

Digitally signed by  
CASIMIR L TABAKA  
Mar 24, 2023

OFFICE

AJV-A432

DATE

TITLE  
MANAGER

