

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 2	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> CHATTANOOGA	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 683	<u>TDZE</u> 683	<u>SUPERSEDED</u> ILS OR LOC RWY 2	<u>ORIGINAL/AMENDMENT</u> 7E	<u>DATED</u> 09/10/2020	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-CGW	<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		MORRT OM/RADAR					198.25	13.60 (CQN BRG-198)	3900
QUIDS/GQO 11.98 DME/RADAR	IF	MORRT OM/RADAR	NOPT				021.70	9.54 (I-CGW)	2300

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.63 NM AFTER MORRT OM/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3700 DIRECT CQN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	L	SIDE OF COURSE	201.70	OUTBOUND	3000	FT WITHIN	10	MILES OF	MORRT OM/RADAR (IF/IAF)
2.									
3. FAC:	021.70	FAF:	MORRT OM/RADAR	DIST FAF TO MAP:	4.63	DIST FAF TO THLD:	4.63		
4. MIN ALT:	MORRT OM/RADAR 2300								
5. DIST TO THLD FROM OM:	4.63	MM:	IM:	150 HAT:	GS ANT: 1125				
6. MIN GS INCPT:	2500	GS ALT AT PFAF :	GP INTCP 2500	OM:	2208	MM:		IM:	
7. GS ANGLE:	3.00	34:1:	20:1:	TCH:	52.0				
8. MSA FROM:	CQN NDB 3800								



EQUIPMENT REQUIREMENTS NOTE:

ADF REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART AT OR ABOVE 3900 AT QUIDS.
CHART AT OR BELOW 6000 AT MORRT OM/RADAR.
HOLD N, LT, 199.00 INBOUND.
CHART FAS OBST: 889 TOWER (13-003673) 345800N/0851358W.
980 AAO 345703N/0851412W.
CHART CIRCLING ICON.

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.

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 02	883	2400	200	883	2400	200	883	2400	200	883	2400	200			
S-LOC 02	1140	2400	457	1140	2400	457	1140	4500	457	1140	4500	457			
CIRCLING	1300	1	617	1340	1	657	1500	2 1/2	817	1580	3	897			

CHANGES - REASONS

1. TERMINAL ROUTES: ADDED FEEDER FROM DUBBS INT TO CQN NDB TO MORRT OM/RADAR - PER IFP/ATC CHECKLIST REQUEST.
2. TERMINAL ROUTES: CHANGED FROM "MORRT OM INT/RADAR" TO "MORRT OM/RADAR" - MORRT OM NO LONGER DEFINED AS AN INTERSECTION.
3. TERMINAL ROUTES: CHANGED COURSE FROM 198.22 TO 198.25 AND DISTANCE FROM 13.60 TO 13.60 (CQN BRG-198) FOR "CQN NDB TO MORRT OM/RADAR" SEGMENT - COURSE CHANGE TO ALIGN TO FAC, PT OVER MORRT OM/RADAR.
4. TERMINAL ROUTES: CHANGED FROM "QUIDS/GQO 12.00 DME/RADAR" TO "QUIDS/GQO 11.98 DME/RADAR" - DME UPDATED TO PRECISE DISTANCE FROM GQO FACILITY.
5. TERMINAL ROUTES: REMOVED IAF FROM ZIROB/GQO 12.00 DME CW" FROM PROCEDURE - PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
6. MISSED APPROACH: CHANGED LOC MAP FROM "4.63 NM AFTER MORRT OM/INT/RADAR" TO "4.63 NM AFTER MORRT OM/RADAR" - MORRT OM NO LONGER DEFINED AS AN INTERSECTION.
7. CHANGED PRIMARY MISSED APPROACH FROM "CLIMB TO 3600 DIRECT CQN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600" TO "CLIMB TO 3700 DIRECT CQN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700" - TO MIRROR ILS OR LOC RWY 20 MISSED APPROACH, PER IFP/ATC CHECKLIST REQUEST.
8. REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS "CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 TO GQO VORTAC AND HOLD" FROM PROCEDURE - PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
9. CHANGED PROFILE LINE 1 PT FIX FROM MORRT OM (IAF) TO MORRT OM/RADAR (IF/IAF) - RADAR ADDED TO FIX.
10. PROFILE LINE 3: CHANGED FAF FROM MORRT OM/INT/RADAR" TO "MORRT OM/RADAR" - MORRT OM NO LONGER DEFINED AS AN INTERSECTION.
11. PROFILE LINE 4: CHANGED MIN ALT FROM "MORRT OM/INT/RADAR 2300"" TO "MORRT OM/RADAR 2300" - MORRT OM NO LONGER DEFINED AS AN INTERSECTION.
12. PROFILE LINE 6: CHANGED OM FROM 2227 TO 2208 - UPDATED VALUE BASED ON PROCEDURE EVALUATION.
13. PROFILE LINE 8: CHANGED MSA FROM "GQO VORTAC 060-150 5400, 150-060 3600" TO "CQN NDB 3800" - PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
14. EQUIPMENT REQUIREMENTS NOTES: ADDED "RADAR REQUIRED FOR PROCEDURE ENTRY" - PER 8260.19I, PARA 8-6-8A.
15. REMOVED ""LOC ONLY" FROM NOTES - NO LONGER REQUIRED PER CURRENT CRITERIA.
16. REMOVED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 2 CATS C AND D VISIBILITY TO 1 3/8 SM" FROM NOTES - NO LONGER REQUIRED.
17. ADDITIONAL FLIGHT DATA: ADDED "CHART AT OR BELOW 6000 AT MORRT OM/RADAR" - PER 8260.19I, PARA 8-6-10N.
18. ADDITIONAL FLIGHT DATA: ADDED "CHART AT OR ABOVE 3900 AT QUIDS" - 8260.19I, PARA 8-6-10N.
19. ADDITIONAL FLIGHT DATA: REMOVED CHART IN PLANVIEW NOTES "GQO VORTAC" AND "ALTERNATE MA HOLDING, HOLD SE GQO VORTAC, RT, 332.00 INBOUND" - ALTERNATE MISSED APPROACH REMOVED FROM PROCEDURE PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
20. ADDITIONAL FLIGHT DATA: REMOVED "CHART GQO R-126 AT ZIROB" - ZIROB IAF REMOVED FROM PROCEDURE PER IFP/ATC CHECKLIST REQUEST, GQO VOR MON NATL PROGRAM.
21. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 889 TOWER 345800N/0841358W" TO "FAS OBST: 889 TOWER (13-003673) 345800N/0851358W" - 8260.19I, PARA 8-6-10C.
22. ADDITIONAL FLIGHT DATA: CHANGED 7:1 OBSTACLE FROM "CHART 901 TREE 345657N/0851409W" TO "980 AAO 345703N/0851412W" - NEW TERRAIN EVALUATION.
23. CHANGED ALTERNATE MINS 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).
24. CHANGED S-LOC 02 ALL CATS MDA/HAT FROM 1200/517 TO 1140/457 - NEW CONTROLLING OBSTACLE.
25. CHANGED S LOC 02 CAT C RVR FROM 5500 TO 4500 AND CAT D RVR FROM 6000 TO 4500 - MDA/HAT CHANGED FROM 1200/517 TO 1140/457.
26. CHANGED CIRCLING 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, 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
Mar 24, 2023

OFFICE

AJV-A432

DATE

01/05/2023

APPROVED BY

CASIMIR TABAKA

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CASIMIR L TABAKA
Mar 24, 2023

OFFICE

AJV-A432

DATE

TITLE
MANAGER

