

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> LOVELL FIELD	<u>AIRPORT ID</u> KCHA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 2	<u>ORIGINAL/AMENDMENT</u> 7D	<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SUPERSEDED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> 7C	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 5W
<u>FACILITY</u> I-CGW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
CQN NDB		MORRT OM INT/RADAR					198.22	13.60	3900
ZIROB/GQO 12.00 DME CW	IAF	QUIDS/GQO 12.00 DME/RADAR	NOPT				12.00 DME ARC		3900
QUIDS/GQO 12.00 DME/RADAR	IF	MORRT OM INT/RADAR	NOPT				021.70	9.54 (I-CGW)	2300*

MISSED APPROACH

MAP:

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

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3600 DIRECT CQN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 TO GQO VORTAC AND HOLD.

PROFILE:

1. PT L **SIDE OF COURSE** 201.70 **OUTBOUND** 3000 **FT WITHIN** 10 **MILES OF** MORRT OM (IAF)

2.

3. **FAC:** 021.70 **FAF:** MORRT OM/INT/RADAR **DIST FAF TO MAP:** 4.63 **DIST FAF TO THLD:** 4.63

4. **MIN ALT:** MORRT OM/INT/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 FAF :** **OM:** 2227 **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 52.0

8. **MSA FROM:** GQO VORTAC 060-150 5400, 150-060 3600

EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED.



NOTES:

CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 945 MSL.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
*LOC ONLY
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 2 CATS C AND D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART 901 TREE 345657N/0851409W.
CHART FAS OBST: 889 TOWER 345800N/0841358W.
CHART CIRCLING ICON.
CHART GQO R-126 AT ZIROB.
CHART IN PLANVIEW: GQO VORTAC
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE GQO VORTAC, RT, 332.00 INBOUND.
HOLD N, LT, 199.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, 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	1200	2400	517	1200	2400	517	1200	5500	517	1200	6000	517			
CIRCLING	1300	1	617	1340	1	657	1480	2 1/4	797	1580	3	897			



CHANGES - REASONS

1. AMDT 7A ADDED CHART PLANVIEW NOTE: RADAR OR DME OR ADF REQUIRED - FOR PROCEDURE ENTRY.
2. AMDT 7A RAISED MISSED APPROACH ALTITUDE FROM 3000 TO 3200 AND ADDED CLIMB-IN-HOLD - OBSTACLE EVALUATION.
3. AMDT 7B DELETED TERMINAL ROUTE HOGIR TO QUIDS - DME FACILITY RESTRICTIONS.
4. AMDT 7B CHANGED BACKUP ALTIMETER NOTE - REEVALUATION.
5. AMDT 7B ADDED INOPERATIVE MALSР NOTE - POLICY.
6. AMDT 7C RAISED MISSED APPROACH AND CLIMB-IN-HOLD ALTITUDE FROM 3200 TO 3600 - OBSTACLE EVALUATION.
7. INCREASED ALL COURSES BASED ON THE ILS BY 3 DEGREES - MAGNETIC VARIATION UPDATE.
8. DELETED DISTANCE AND ALTITUDES AT MIDDLE MARKER - MM DECOMMISSIONED.
9. CHANGED ALTITUDE AT OUTER MARKER FROM 2233 TO 2227 - UPDATED AIRNAV DATA.
10. CHANGED TCH FROM 53.8 TO 52.0 - UPDATED SURVEY DATA.
11. REMOVED "CHART ASR" - ASR APPROACHES NO LONGER AVAILABLE.
12. ADDED CIRCLING ICON - NEW CIRCLING AREAS IN USE.
13. UPDATED MAGNETIC VARIATION FROM 2W/85 TO 5W/2020 - CURRENT EPOCH YEAR VALUE.
14. UPDATED ALTERNATE MINIMUMS - CURRENT POLICY.
15. INCREASED S-ILS 2 DA FROM 882 TO 883 - NEW SURVEY OF RUNWAY TDZE.
16. DECREASED S-LOC 2 HAT FROM 518 TO 517 - NEW SURVEY OF RUNWAY TDZE.
17. INCREASED S-LOC 2 VISIBILITY CAT C FROM 5000 TO 5500 - CURRENT CALCULATIONS.
18. DECREASED CIRCLING HAA CAT A FROM 618 TO 617 AND CAT B FROM 658 TO 657 - NEW SURVEY OF AIRPORT ELEVATION.
19. INCREASED CIRCLING MDA/VIS/HAA CAT C FROM 1340/1 3/4/658 TO 1480/2 1/4/797 AND CAT D FROM 1460/2 3/4/778 TO 1580/3/897 - NEW CIRCLING AREAS AND CONTROLLING OBSTACLES.
20. DELETED BACKUP ALTIMETER NOTES - AIRPORT HAS MULTIPLE REDUNDANT ALTIMETER SOURCES.
21. DELETED GLIDESLOPE UNUSABLE NOTE - NOT NECESSARY ON PROCEDURE.
22. DELETED NOTE REGARDING CIRCLING TO RUNWAY 15/33 WHEN CONTROL TOWER CLOSED - RESTRICTION WAS BASED ON TOWER-CONTROLLED LIGHTS THAT ARE NOW PILOT-CONTROLLED WHEN TOWER IS CLOSED.
23. ADDED NOTE: CIRCLING RWY 15/33 NA AT NIGHT - UNLIT 20:1 PENETRATIONS.
24. ADDED INOPERATIVE ALS NOTE - POLICY.
25. REMOVED "ADF REQUIRED" NOTE AND "RADAR OR DME OR ADF REQUIRED" NOTE - REPLACED BY EQUIPMENT REQUIREMENTS NOTE: ADF REQUIRED.
26. INCREASED AIRPORT ELEVATION AND TDZE FROM 682 TO 683 - NEW SURVEY DATA.

06/06/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/13/2018. HS

1. ADDED CHART PROFILE NOTE : VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} / TCH {FEET}) - UPDATED VGSI TCH VALUE.

10/1/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 3/13/2018.

1. REMOVED RVR 1800 NOTE - PRB DISAPPROVAL BASED ON GLIDESLOPE RESTRICTIONS.

2. TERMINAL ROUTES, QUIDS TO MORT, ADDED "" AFTER 2300 - ALTITUDE FOR LOC ONLY.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZTL, CHA APP CON, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

Digitally signed by

DAVID DANNER

Oct 02, 2018

OFFICE

AJV-5423

DATE

03/13/2018

DEVELOPED BY

Digitally signed by

RUSSELL ROSLEWSKI

RUSS ROSLEWSKI

Oct 02, 2018

APPROVED BY

Digitally signed by

DAVID DANNER

Oct 02, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER

