

**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.

AIRPORT ID CLT	PROCEDURE NAME ILS OR LOC RWY 1L ILS RWY 1L (SA CAT I) ILS RWY 1L (CAT II) ILS RWY 1L (CAT III)	ORIGINAL/AMENDMENT 2	CITY CHARLOTTE	STATE NC		
AIRPORT ELEVATION 748	TDZE 744	SUPERSEDED ILS OR LOC RWY 36L ILS RWY 1L (SA CAT I) ILS RWY 1L (CAT II) ILS RWY 1L (CAT III)	ORIGINAL/AMENDMENT 1B	DATED 09/10/2020	MAG VAR 7W	EPOCH YEAR 2000
FACILITY I-XUU	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WELET/20.84 DME/RADAR	IAF	NUXXY/17.68 DME/RADAR					002.96 (I-XUU)	3.15	6000
NUXXY/17.68 DME/RADAR		LONIA/14.53 DME/RADAR					002.96 (I-XUU)	3.15	5000
LONIA/14.53 DME/RADAR		CUNUK/11.37 DME/RADAR					002.96 (I-XUU)	3.15	4000
CUNUK/11.37 DME/RADAR	IF	DEFOX/8.22 DME/RADAR					002.96 (I-XUU)	3.15	3000
DEFOX/8.22 DME/RADAR		NLSON/6.64 DME/RADAR					002.96 (I-XUU)	1.58	2500

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.34 NM AFTER NLSON/6.64 DME/RADAR OR AT 1.30 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 280 AND ON BZM VOR/DME R-184 TO BUDKE/BZM 26.51 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WELET/20.84 DME/RADAR
- FAC: 002.96 FAF: NLSON/6.64 DME/RADAR DIST FAF TO MAP: 5.34 DIST FAF TO THLD: 5.34
- MIN ALT: WELET/20.84 DME/RADAR 7000, NUXXY/17.68 DME/RADAR 6000, LONIA/14.53 DME/RADAR 5000, CUNUK/11.37 DME/RADAR 4000, DEFOX/8.22 DME/RADAR 3000, NLSON/6.64 DME/RADAR 2500
- DIST TO THLD FROM OM: MM: IM: 790.00 100 HAT: 858.00 150 HAT: 1811.00 GS ANT: 1119
- MIN GS INCPT: 2500 GS ALT AT PFAF: NLSON/6.64 DME/RADAR 2500 OM: MM: IM: 840
- GS ANGLE: 3.00 34:1: 20:1: TCH: 55.0
- MSA FROM: KCLT 3800



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 1L: CAT A, B, C, D, RA 164, RVR 1400, HAT 150, DA 894 MSL
 CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 1L: CAT A, B, C, D, RA 106, RVR 1200, HAT 100, DA 844 MSL
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 1L: CAT A, B, C, D, RVR 600
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
 CHART NOTE: CIRCLING NA AT NIGHT.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.

ADDITIONAL FLIGHT DATA:

CHART: 954 TRAMWAY 350622N/0805627W
 HOLD N, RT, 184.06 INBOUND.
 CHART FAS OBST: 873 ANTENNA (37-088957) 351010N/0805758W.
 CHART VDP AT 2.45 DME.
 DISTANCE VDP TO THLD 1.15 NM.

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

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>			
	<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 01L	944	1800	200	944	1800	200	944	1800	200	944	1800	200				
S-LOC 01L	1180	2400	436	1180	2400	436	1180	4000	436	1180	4000	436				
CIRCLING	1380	1	632	1380	1	632	1500	2 1/4	752	1500	2 1/2	752				

CHANGES - REASONS

- INCORPORATED CHANGES FROM PREVIOUS P-NOTAM INTO FORM.
- PROCEDURE NAME AND RWY CHANGED FROM 36L TO 1L. - AIRPORT CONSTRUCTION AND RUNWAY RENUMBERING.
- NOTES: CHANGED SA CAT I CHART NOTE FROM "REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH" TO "REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL" - IAW 8260.19K 8-6-12. M. (1).
- NOTES: CHANGED CAT IIIA RVR FROM:"700" TO: "600". - LOWEST RVR VALUE USED IAW 8260.19K 8-6-12. M.(5).
- MISSED APPROACH INSTRUCTIONS: CHANGED FROM: "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 280 AND BZM VOR/DME R-184 TO BUDKE/CLT 16.00 DME AND HOLD" TO: "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 280 AND BZM VOR/DME R-184 TO BUDKE/BZM 26.51 DME/RADAR AND HOLD" - PER ATC AND VOR DELETION.
- ALTERNATE MISSED APPROACH INSTRUCTIONS DELETED - PER ATC REQUEST.
- PROFILE: LINE 5: CHANGE 150 HAT FROM: "1815" TO "1811", 100 HAT FROM: "861" TO: "858". - IAW 8260.3G 3-3-2 3 (A).
- PROFILE: MSA: CHANGED FROM: "CLT VOR/DME 3800" TO: "KCLT 3800" - IAW 8260.19K 8-6-7 H.
- ADDITIONAL FLIGHT DATA: CHANGED FROM: "CHART FAS OBST 870 TOWER 351011N/0805757W" TO: "CHART FAS OBST: 873 ANTENNA (37-088957) 351010N/0805758W." - IAW 8260.19K 8-6-11C.
- ADDITIONAL FLIGHT DATA: DELETED *LOC ONLY AND CHART LOC RWY 36C/36R - NO LONGER REQUIRED BY CRITERIA.
- ADDITIONAL FLIGHT DATA: DELETED CHART CIRCLING ICON - NO LONGER REQUIRED BY CRITERIA.
- NOTES: DELETED CHART PLANVIEW NOTE: RADAR REQUIRED - MOVED TO EQUIPMENT REQUIREMENT NOTES.
- MOVED DME OR RADAR REQUIRED FROM NOTES TO EQUIPMENT REQUIREMENTS NOTES - 8260.19K 8-6-9 1(D).
- ADDED EQUIPMENT REQUIREMENTS NOTES: RADAR REQUIRED FOR PROCEDURE ENTRY - IAW 8260.19K 8-6-10 G.



AIRPORT ID
CLT

PROCEDURE NAME
ILS OR LOC RWY 1L
ILS RWY 1L (SA CAT I)
ILS RWY 1L (CAT II)
ILS RWY 1L (CAT III)

ORIGINAL/AMENDMENT
2

CITY
CHARLOTTE

STATE
NC

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZTL, CLT APP CON, AMGR

FLIGHT CHECKED BY

Digitally signed by

CASEY D HILL

Mar 30, 2026

JAMES R JONES

OFFICE

AJF

DATE

03/27/2026

DEVELOPED BY

BYRON STUBBLEFIELD

Digitally signed by

CASEY D HILL

Mar 30, 2026

OFFICE

AJV-A431

DATE

12/17/2025

APPROVED BY

CASEY HILL

Digitally signed by

CASEY D HILL

Mar 30, 2026

OFFICE

AJV-A431

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> CLT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 1L ILS RWY 1L (SA CAT I) ILS RWY 1L (CAT II) ILS RWY 1L (CAT III)	<u>AMDT NO.</u> 2	<u>CITY</u> CHARLOTTE	<u>STATE</u> NC	<u>AIRPORT ELEVATION</u> 748	<u>FACILITY</u> I-XUU
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM WELET/20.84 DME/RADAR	TO NUXXY/17.68 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 3.15	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (45-000099)	345328.58N/0805733.85W	1124	20	3	1A	1000				AT3876	6000
TERRAIN	345236.00N/0805551.00W	761 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM NUXXY/17.68 DME/RADAR	TO LONIA/14.53 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 3.15	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	345524.00N/0810054.00W	889	215	8	4B	1000				AT3111	5000
TERRAIN	345527.00N/0810051.00W	685 (700)								AS1500	2200

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
CLT

PROCEDURE NAME
ILS OR LOC RWY 1L
ILS RWY 1L (SA CAT I)
ILS RWY 1L (CAT II)
ILS RWY 1L (CAT III)

AMDT NO.
2

CITY
CHARLOTTE

STATE
NC

AIRPORT ELEVATION
748

FACILITY
I-XUU

FINAL: ILS SA CAT I

FROM
NLSON/6.64 DME/RADAR

TO
RW01L

RNP

DISTANCE
5.34

PAT

MAP
DA

HAT
150

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				894

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS CAT II

FROM
NLSON/6.64 DME/RADAR

TO
RW01L

RNP

DISTANCE
5.34

PAT

MAP
DA

HAT
100

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				844

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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ILS RWY 1L (SA CAT I)
ILS RWY 1L (CAT II)
ILS RWY 1L (CAT III)

AMDT NO.
2

CITY
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AIRPORT ELEVATION
748

FACILITY
I-XUU

MISSED APPROACH: ILS SA CAT I

FROM
DA

TO
BUDKE/BZM 26.51 DME/RADAR

RNP
1.00

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (37-001173)	352049.00N/0811014.00W	2754	250	50	4D	1000					3800
TERRAIN	351357.00N/0811436.00W	1587 (1600)								AS1500	3100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS CAT II

FROM
DA

TO
BUDKE/BZM 26.51 DME/RADAR

RNP
1.00

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (37-001173)	352049.00N/0811014.00W	2754	250	50	4D	1000					3800
TERRAIN	351357.00N/0811436.00W	1587 (1600)								AS1500	3100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
CLT

PROCEDURE NAME
ILS OR LOC RWY 1L
ILS RWY 1L (SA CAT I)
ILS RWY 1L (CAT II)
ILS RWY 1L (CAT III)

AMDT NO.
2

CITY
CHARLOTTE

STATE
NC

AIRPORT ELEVATION
748

FACILITY
I-XUU

MISSED APPROACH: LOC

FROM
5.34 NM AFTER NLSON/6.64 DME/RADAR OR AT 1.30 DME

TO
BUDKE/BZM 26.51 DME/RADAR

RNP
1.00

DISTANCE

PAT

MAP

HAT

HMAS
930

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (37-001173)	352049.00N/0811014.00W	2754	250	50	4D	1000					3800
TERRAIN	351357.00N/0811436.00W	1587 (1600)								AS1500	3100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
CONTROL_TOWER (37-117734)	351214.28N/0805635.76W	1.30	632	1068	20	3	1A	300			1380
CATEGORY B											
CONTROL_TOWER (37-117734)	351214.28N/0805635.76W	1.83	632	1068	20	3	1A	300			1380
CATEGORY C											
TOWER (37-002817)	351156.31N/0805235.71W	2.88	752	1190	20	3	1A	300			1500
CATEGORY D											
TOWER (37-002817)	351156.31N/0805235.71W	3.76	752	1190	20	3	1A	300			1500

CIRCLING REMARKS:



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ILS RWY 1L (SA CAT I)
ILS RWY 1L (CAT II)
ILS RWY 1L (CAT III)

AMDT NO.
2

CITY
CHARLOTTE

STATE
NC

AIRPORT ELEVATION
748

FACILITY
I-XUU

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TREE HEIGHT 100' PER FPT.

CIRCLING NA AT NIGHT FOR NOISE ABATEMENT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 954 TRAMWAY 350622N/0805627W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

AIRPORT ID
CLT

PROCEDURE NAME
ILS OR LOC RWY 1L
ILS RWY 1L (SA CAT I)
ILS RWY 1L (CAT II)
ILS RWY 1L (CAT III)

AMDT NO.
2

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AIRPORT ELEVATION
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FACILITY
I-XUU

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.14
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.90
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	355.96
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	4.94
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.29
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	355.96
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)	351202.23N/0805755.07W
ARP COORDINATES	351247.76N/0805709.06W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36R DISTANCE 1.17 NM
FAF COORDINATES	350642.04N/0805727.55W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
BYRON STUBBLEFIELD	AJV-A431	12/17/2025	AERONAUTICAL INFORMATION SPECIALIST

