

<b>ILS - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.29</b>		Bearings, headings, courses, 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 in feet RVR.	
<b>US DEPARTMENT OF TRANSPORTATION</b> <b>FEDERAL AVIATION ADMINISTRATION</b>			
<b>TERMINAL ROUTES</b>		<b>MISSED APPROACH</b>	
FROM	TO	COURSE AND DISTANCE	ALTITUDE
CAVVI/CLT 18.39 DME/RADAR (IAF)	SNAKK/CLT 15.24 DME/RADAR	182.97 / 3.15 (I-VKQ)	5000
SNAKK/CLT 15.24 DME/RADAR (IF)	GILGE/CLT 12.10 DME/RADAR	182.97 / 3.15 (I-VKQ)	4000
GILGE/CLT 12.10 DME/RADAR	QUWED/CLT 8.95 DME/RADAR	182.97 / 3.15 (I-VKQ)	3000
ILS: DA LOC: 6.90 MILES AFTER QUWED/CLT 8.95 DME/RADAR OR AT CLT 2.20 DME FIX  CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4000 ON CLT VOR/DME R-093 TO LOCAS INT/CLT 24.89 DME AND HOLD, OR AS DIRECTED BY ATC.  ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 100 AND CTF VOR/DME R-327 TO NEALO/CTF (SEE FORM 8260-10)  <b>ADDITIONAL FLIGHT DATA:</b> HOLD W, RT, 093.32 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE NEALO/CTF 35.66 DME, RT, 327.41 INBOUND. #DME FROM CLT VOR/DME CHART VDP AT 3.21 DME* DISTANCE VDP TO THLD 1.07 MILES. *LOC ONLY. CHART IN PLANVIEW: NEALO/CTF 35.66 DME. CHART LOC RWY 18C/R. CHART CIRCLING ICON.			
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. PROFILE STARTS AT CAVVI/CLT 18.39 DME/RADAR 3. FAC: <u>182.97</u> FAF: QUWED/CLT 8.95 DME/RADAR DIST FAF TO MAP: <u>6.90</u> THLD: <u>6.90</u> 4. MIN. ALT: CAVVI 6000, SNAKK 5000, GILGE 4000, QUWED 3000, ZIMOG/CLT 4.60 DME 1320* 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>1016</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: QUWED 3000 OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.7</u> 8. MSA FROM: CLT VOR/DME 3800			
		MAG VAR: 7W      EPOCH YEAR: 2000	
<b>MINIMUMS</b>			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A      ILS: STANDARD @      LOC: STANDARD @	
CATEGORY =====>	A	B	C
	DH/MDA   VIS   HAT/HAA	DH/MDA   VIS   HAT/HAA	DH/MDA   VIS   HAT/HAA
S-ILS 18L	998   4000   250	998   4000   250	998   4000   250
S-LOC 18L	1320   5500   572	1320   5500   572	1320   1 5/8   572
CIRCLING	1320   1   572	1320   1   572	1500   2 1/4   752
ZIMOG FIX MINIMUMS# (DME REQUIRED)			
S-LOC 18L	1140   5500   392	1140   5500   392	1140   6000   392
CIRCLING	1240   1   492	1240   1   492	1500   2 1/4   752
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18C/R. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)			
CITY AND STATE CHARLOTTE, NC		ELEVATION: 748   TDZE: 748 AIRPORT NAME: CHARLOTTE/DOUGLAS INTL	
FACILITY IDENTIFIER: I-VKQ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18L, AMDT 8 30 APRIL 2015	
SUP: AMDT: 7A DATED 03/08/2012			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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MISSED APPROACH INSTRUCTIONS, (CONT.):

35.66 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000 (DME REQUIRED).

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY  
7  
CHECKED

CITY AND STATE  
CHARLOTTE, NC

ELEVATION: 748 TDZE: 748  
AIRPORT NAME:  
CHARLOTTE/DOUGLAS INTL

FACILITY  
IDENTIFIER:  
I-VKQ

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
ILS OR LOC RWY 18L, AMDT 8  
30 APRIL 2015

SUP:  
AMDT: 7A  
DATED: 03/08/2012



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[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCLTK7FI18L	ACAVVI	010CAVVIK7PCOE	A	IF				+ 06000	18000		0	NS
SUSAP	KCLTK7FI18L	ACAVVI	020SNAKKK7PCOE	B	TF				+ 05000			0	NS
SUSAP	KCLTK7FI18L	ACAVVI	030GILGEK7PCOEE		CF	IVKQK7	0030011718300032PI		+ 04000			0	NS
SUSAP	KCLTK7FI18L	I	010GILGEK7PCOE	I	IF	IVKQK7	00300117	PI	J	040000300018000		0	NS
SUSAP	KCLTK7FI18L	I	020QUWEDK7PCOE	F	CF	IVKQK7	0030008518300032PI		H	0300003000	-300CLT	K7D	0 NS
SUSAP	KCLTK7FI18L	I	030RW18LK7PGOGY	M	CF	IVKQK7	0030001618300069PI		00802		-300		0 NS
SUSAP	KCLTK7FI18L	I	040	0	M	CA	1830		+ 01300				0 NS
SUSAP	KCLTK7FI18L	I	050LOCASK7EA0EY		CF	CLT K7	0933024909330240D		+ 04000				0 NS
SUSAP	KCLTK7FI18L	I	060LOCASK7EA0EE	R	HM		0933T010		+ 04000				0 NS

[illegible][illegible]

CITY AND STATE CHARLOTTE, NC	ELEVATION: 748	TDZE: 748	FACILITY IDENTIFIER:  I-VKQ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 18L, AMDT 8	SUP:
	AIRPORT NAME: CHARLOTTE/DOUGLAS INTL				AMDT: 7A
				30 APRIL 2015	DATED: 03/08/2012

## FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KCLTK7IIVKQ1 011035RW18LN35115060W0805601721830N35131926W0805605101302 10160402300W00705600744

[illegible]

SUP:	
AMDT:	7A
DATED:	03/08/2012

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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## ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAVVI	CAVVI	010	IAF	IF		FB				AA 06000	
	CAVVI	SNAKK	020		TF		FB				AA 05000	
	CAVVI	GILGE	030		CF		FB		183.0 ()	003.2	AA 04000	
		GILGE	010	FACF	IF		FB				AA 04000 GI 03000	
		QUWED	020	FAF	CF		FB		183.0 ()	003.2	GI 03000 GS 03000	
		RW18L	030	MAP	CF		FO		183.0 ()	006.9	AT 00802	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		183.0 ()		AA 01300	
	LOCAS	050		CF		FO		093.3 ()	024.0	AA 04000	
	LOCAS	060		HM	R	FO		093.3 ()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	LOCAS	N351205.18	W0802644.89	N3512.086	W08026.748
	CAVVI	N352950.16	W0805734.69	N3529.836	W08057.578
	GILGE	N352331.97	W0805702.04	N3523.533	W08057.034
	QUWED	N352022.87	W0805645.75	N3520.381	W08056.763
	SNAKK	N352641.07	W0805718.35	N3526.685	W08057.306
	RW18L	N351329.04	W0805610.17	N3513.484	W08056.170
	IVKQ (LOC)	N351150.60	W0805601.72	N3511.843	W08056.029

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18L	00746	56

CITY AND STATE  
CHARLOTTE, NC

ELEVATION: 748 TDZE: 748  
AIRPORT NAME:  
CHARLOTTE/DOUGLAS INTL

FACILITY  
IDENTIFIER:  
I-VKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 18L, AMDT 8  
30 APRIL 2015

SUP:  
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[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCLTK7FL18L	ACAVVI	010CAVVIK7PCOE	A	IF				+ 06000	18000		0	NS
SUSAP	KCLTK7FL18L	ACAVVI	020SNAKKK7PCOE	B	TF				+ 05000			0	NS
SUSAP	KCLTK7FL18L	ACAVVI	030GILGEK7PCOEE		CF	IVKQK7	0030011718300032PI		+ 04000			0	NS
SUSAP	KCLTK7FL18L	L	010GILGEK7PCOE	I	IF	IVKQK7	00300117	PI	+ 04000	18000		0	NS
SUSAP	KCLTK7FL18L	L	020QUWEDK7PCOE	F	CF	IVKQK7	0030008518300032PI		+ 03000		CLT	K7D	0
SUSAP	KCLTK7FL18L	L	021ZIMOGK7PCOE	S	CF	IVKQK7	0030004118300044PI		+ 01320		-301		0
SUSAP	KCLTK7FL18L	L	030RW18LK7PG0GY	M	CF	IVKQK7	0030001618300025PI		00802		-301		0
SUSAP	KCLTK7FL18L	L	040		O	M	CA	1830	+ 01300				0
SUSAP	KCLTK7FL18L	L	050LOCASK7EA0EY		CF	CLT K7	0933024909330240D		+ 04000				0
SUSAP	KCLTK7FL18L	L	060LOCASK7EA0EE	R	HM		0933T010		+ 04000				0

[illegible]

CITY AND STATE <b>CHARLOTTE, NC</b>	ELEVATION: <b>748</b>	TDZE: <b>748</b>	FACILITY IDENTIFIER:  <b>I-VKQ</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>ILS OR LOC RWY 18L, AMDT 8</b>	SUP:
	AIRPORT NAME: <b>CHARLOTTE/DOUGLAS INTL</b>				AMDT: <b>7A</b>
				<b>30 APRIL 2015</b>	DATED: <b>03/08/2012</b>

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## LOC STANDARD INSTRUMENT APPROACH PROCEDURE

## FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ILS 1234567890123456789012345678901234567890123456789012345678901234567890123456789012  
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SUSAP KCLTK7IIVKQ1 011035RW18LN35115060W0805601721830N35131926W0805605101302 10160402300W00705600744  
-----  
1 2 3 4 5 6 7 8 9 0 1 2 3  
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012  
-----  
SUSAP KCLTK7SCLT K7D 0 18018003825 M

CITY AND STATE  
CHARLOTTE, NC

ELEVATION: 748 TDZE: 748  
AIRPORT NAME:  
CHARLOTTE/DOUGLAS INTL

FACILITY  
IDENTIFIER:  
I-VKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 18L, AMDT 8  
30 APRIL 2015

SUP:  
AMDT: 7A  
DATED: 03/08/2012

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## LOC STANDARD INSTRUMENT APPROACH PROCEDURE

## FLIGHT STANDARDS SERVICES - FAR PART 97.25

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## ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAVVI	CAVVI	010	IAF	IF		FB				AA 06000	
	CAVVI	SNACK	020		TF		FB				AA 05000	
	CAVVI	GILGE	030		CF		FB		183.0 ()	003.2	AA 04000	
		GILGE	010	FACF	IF		FB				AA 04000	
		QUWED	020	FAF	CF		FB		183.0 ()	003.2	AA 03000	
		ZIMOG	021	SDF	CF		FB		183.0 ()	004.4	AA 01320	
		RW18L	030	MAP	CF		FO		183.0 ()	002.5	AT 00802	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		183.0 ()		AA 01300	
	LOCAS	050		CF		FO		093.3 ()	024.0	AA 04000	
	LOCAS	060		HM	R	FO		093.3 ()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	LOCAS	N351205.18	W0802644.89	N3512.086	W08026.748
	CAVVI	N352950.16	W0805734.69	N3529.836	W08057.578
	GILGE	N352331.97	W0805702.04	N3523.533	W08057.034
	QUWED	N352022.87	W0805645.75	N3520.381	W08056.763
	SNACK	N352641.07	W0805718.35	N3526.685	W08057.306
	ZIMOG	N351558.90	W0805623.04	N3515.982	W08056.384
	RW18L	N351329.04	W0805610.17	N3513.484	W08056.170
	IVKQ (LOC)	N351150.60	W0805601.72	N3511.843	W08056.029

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18L	00746	56

CITY AND STATE  
CHARLOTTE, NC

ELEVATION: 748 TDZE: 748  
AIRPORT NAME:  
CHARLOTTE/DOUGLAS INTL

FACILITY IDENTIFIER:  
I-VKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
ILS OR LOC RWY 18L, AMDT 8  
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