

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33

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.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
HEKAM (IAF)	JENDA (FB)	002.98 / 3.15	5000	LPV: DA LNAV/VNAV: DA LNAV: RW36R								
JENDA	LANSR (FB)	002.98 / 3.15	4000									
LANSR (IF)	CIKDU (FB)	002.98 / 3.15	3000	CLIMB TO 1320 THEN CLIMBING RIGHT TURN TO 4000 DIRECT LOCAS AND HOLD.								
CIKDU	HAYOU (FB)	002.98 / 1.58	2500									
HAYOU (FAF)	RW36R (MAP) (FO)	002.97 / 5.40		ADDITIONAL FLIGHT DATA: HOLD W, RT, 093.32 INBOUND. FAS OBST: 859 AAO 350801N/0805613W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.01 MILES TO RW36R* *LNAV ONLY. WAAS CHANNEL # 90100 REFERENCE PATH ID: W36D CHART LOC RWY 36C/L. CHART CIRCLING ICON. LTP HAE: 190 M								
RW36R (MAP)	1320 MSL	002.97	1320									
1320 MSL	LOCAS (FO)		4000									
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 HEKAM 3. FAC: <u>002.97</u> FAF: HAYOU DIST FAF TO MAP: <u>5.40</u> THLD: <u>5.40</u> 4. MIN. ALT: HEKAM 6000, JENDA 5000, LANSR 4000, CIKDU 3000, HAYOU 2500 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>      </u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: HAYOU 2500 OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: 55.3 34:1 IS CLEAR 8. MSA FROM: RW36R 3800				MAG VAR: 7W EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	927	2400	200	927	2400	200	927	2400	200	927	2400	200
LNAV/VNAV DA	1228	1 1/4	501	1228	1 1/4	501	1228	1 1/4	501	1228	1 1/4	501
LNAV MDA	1120	2400	393	1120	2400	393	1120	3500	393	1120	3500	393
CIRCLING	1240	1	492	1240	1	492	1500	2 1/4	752	1500	2 1/2	752
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 748 TDZE: 727		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
CHARLOTTE, NC		AIRPORT NAME:		RNAV		RNAV (GPS) Y RWY 36R, AMDT 4			AMDT: 3			
		CHARLOTTE/DOUGLAS INTL				30 APRIL 2015			DATED 02/11/2010			

QUALITY  
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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.

NOTES, (CONT.):

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36C/L.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 MILE.

CITY AND STATE  
CHARLOTTE, NC

ELEVATION: 748 TDZE: 727  
AIRPORT NAME:  
CHARLOTTE/DOUGLAS INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) Y RWY 36R, AMDT 4  
30 APRIL 2015

SUP:  
AMDT: 3  
DATED: 02/11/2010

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLT
RUNWAY	RW36R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36D
LTP/FTP LATITUDE	351203.4460N
LTP/FTP LONGITUDE	0805602.8225W
LTP/FTP ELLIPSOIDAL HEIGHT	+01900
FPAP LATITUDE	351332.4660N
FPAP LONGITUDE	0805610.4655W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

747B9793

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02205
FPAP ORTHOMETRIC HEIGHT	+02205

CITY AND STATE

CHARLOTTE, NC

ELEVATION: 748

TDZE: 727

AIRPORT NAME:

CHARLOTTE/DOUGLAS INTL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 36R, AMDT 4

30 APRIL 2015

SUP:

AMDT:

3

DATED: 02/11/2010

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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCLTK7FR36RY	AHEKAM	010HEKAMK7EA0E	A	IF				+ 06000	18000		A JS	
SUSAP	KCLTK7FR36RY	AHEKAM	020JENDAK7EA0E		010TF		00300032		+ 05000			A JS	
SUSAP	KCLTK7FR36RY	AHEKAM	030LANSRK7EA0EE	B	010TF		00300032		+ 04000			A JS	
SUSAP	KCLTK7FR36RY	R	010LANSRK7EA0E	I	IF				+ 04000	18000		A JS	
SUSAP	KCLTK7FR36RY	R	011CIKDUK7EA0E	S	051TF		00300032		+ 03000			A JS	
SUSAP	KCLTK7FR36RY	R	020HAYOUK7EA1E	F	051TF		00300016		+ 02500			RW36R K7PGA JS	
SUSAP	KCLTK7FR36RY	R	020HAYOUK7EA2WALPV			ALNAV/VNAV ALNAV						JS	
SUSAP	KCLTK7FR36RY	R	030RW36RK7PG0GY	M	031TF		00300054		00779	-300		A JS	
SUSAP	KCLTK7FR36RY	R	040		0 M	CA	0030		+ 01320			A JS	
SUSAP	KCLTK7FR36RY	R	050LOCASK7EA0EY	R	DF				+ 04000			A JS	
SUSAP	KCLTK7FR36RY	R	060LOCASK7EA0EE	R	HM		09330040		+ 04000			A JS	

[illegible][illegible][illegible]

CITY AND STATE <b>CHARLOTTE, NC</b>	ELEVATION: 748 AIRPORT NAME: <b>CHARLOTTE/DOUGLAS INTL</b>	TDZE: 727 FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 36R, AMDT 4</b>  30 APRIL 2015	SUP: <b>CHECKED</b>
				AMDT: <b>3</b>
				DATED: <b>02/11/2010</b>

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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.

SUSAP KCLTK7SRW36RK7PG

0 18018003825

M



CITY AND STATE  
CHARLOTTE, NC

ELEVATION: 748 TDZE: 727  
AIRPORT NAME:  
CHARLOTTE/DOUGLAS INTL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
RNAV (GPS) Y RWY 36R, AMDT 4  
30 APRIL 2015

SUP:  
AMDT: 3  
DATED: 02/11/2010



**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HEKAM	HEKAM	010	IAF	IF		FB				AA 06000	
	HEKAM	JENDA	020		TF		FB	1.0	003.0 (356.0T)	003.2	AA 05000	
	HEKAM	LANSR	030		TF		FB	1.0	003.0 (356.0T)	003.2	AA 04000	
		LANSR	010	FACF	IF		FB				AA 04000	
		CIKDU	011	SDF	TF		FB	0.5	003.0 (356.0T)	003.2	AA 03000	
		HAYOU	020	FAF	TF		FB	0.5	003.0 (356.0T)	001.6	AA 02500	
		RW36R	030	MAP	TF		FO	0.3	003.0 (356.0T)	005.4	AT 00779	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		003.0 (356.0T)		AA 01320	
	LOCAS	050		DF	R	FO				AA 04000	
	LOCAS	060		HM	R	FO		093.3 (086.3T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIKDU	N350504.89	W0805526.95	N3505.082	W08055.449
	HAYOU	N350639.45	W0805535.04	N3506.658	W08055.584
	HEKAM	N345537.55	W0805438.49	N3455.626	W08054.642
	JENDA	N345846.67	W0805454.62	N3458.778	W08054.910
	LANSR	N350155.78	W0805510.77	N3501.930	W08055.180
	LOCAS	N351205.18	W0802644.89	N3512.086	W08026.748
	RW36R	N351203.45	W0805602.82	N3512.058	W08056.047

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36R	00724	58

QUALITY  
CHECKED

CITY AND STATE <b>CHARLOTTE, NC</b>	ELEVATION: 748	TDZE: 727	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 36R, AMDT 4</b> <b>30 APRIL 2015</b>	SUP:
	AIRPORT NAME: <b>CHARLOTTE/DOUGLAS INTL</b>				AMDT: <b>3</b>
					DATED: <b>02/11/2010</b>