

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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> CHARLOTTE/DOUGLAS INTL	<u>AIRPORT ID</u> KCLT	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 18R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CHARLOTTE	<u>STATE</u> NC	
<u>AIRPORT ELEVATION</u> 748	<u>TDZE</u> 744	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 18R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
RUDKY	IAF	NELLA		TF	FB	1.00	182.94	3.15	6000
NELLA		WOVEN		TF	FB	1.00	182.95	3.15	5000
WOVEN	IF	EMERS		TF	FB	1.00	182.95	3.15	4000
EMERS		JHUNT		TF	FB	1.00	182.95	3.15	3000
JHUNT		AUDD		TF	FB	1.00	182.96	1.89	2400
AUDD	FAF	UJAHU/2.80 NM TO RW18R		TF	FB	0.30	182.96	2.23	
UJAHU/2.80 NM TO RW18R		RW18R	MAP	TF	FO	0.30	182.96	2.80	
RW18R	MAP	1200 MSL		CA			182.96		1200
1200 MSL		STULL		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW18R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT STULL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT RUDKY				
3. FAC:	182.96	FAF: AUUDD	DIST FAF TO MAP: 5.03	DIST FAF TO THLD: 5.03	
4. MIN ALT:	RUDKY 7000, NELLA 6000, WOVEN 5000, EMERS 4000, JHUNT 3000, AUUDD 2400, UJAHU/2.80 NM TO RW18R 1680*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.46	GS ANT:
6. MIN GP INCPT: 2400	GP ALT AT FAF : AUUDD 2400		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.1		
8. MSA FROM:	RW18R 3800				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART 913 TOWER 351636N/0805821W.
CHART CIRCLING ICON.
CHART VDP AT 1.04 NM TO RW18R*
*LNAV ONLY
WAAS CHANNEL #82415
REFERENCE PATH ID: W18D
CHART FAS OBST: 857 TREE 351322N/0805727W.
HOLD W, RT, 072.00 INBOUND
LTP HAE: 196.1 M



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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2

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
LPV DA	944	1800	200	944	1800	200	944	1800	200	944	1800	200			
LNAV/VNAV DA	1018	2400	274	1018	2400	274	1018	2400	274	1018	2400	274			
LNAV MDA	1120	2400	376	1120	2400	376	1120	4000	376	1120	4000	376			
CIRCLING	1380	1	632	1380	1	632	1500	2 1/4	752	1500	2 1/2	752			

CHANGES - REASONS

1. DELETED NOTE: DME/DME RNP-0.3 NA. - NOTE NO LONGER REQUIRED
2. DELETED NOTE: BARO-VNAV NA BELOW -10C(14F) OR ABOVE 54C(130F). ADDED NOTE: BARO-VNAV NA BELOW -11C OR ABOVE 54C. - NEW NOTE FORMAT/NEW 5 YR WX HISTORY.
3. ADDED PBN EQUIPEMENT REQUIREMENT NOTE: RNP APCH. - REQUIRED NOTE
4. ADDED NEW FAF, WUTRA AT 2400 FT MSL. - ATC REQUEST
5. CHANGED FIX JHUNT FROM FAF TO IF STEPDOWN. - ATC REQUEST
6. LOWERED LNAV MDA FROM 1160 TO 1120. - OBSTACLE EVALUATION.
7. UPDATED DIST FAF TO MAP FROM 6.92 TO 5.03. - NEW FAF LOCATION.
8. UPDATED GS ALT FROM 3000 TO 2400 - ATC REQUEST.
9. UPDATED FAC FROM 182.95 TO 182.96 - RWY/ILS ALIGNMENT.
10. UPDATED FAS DATA BLOCK INFORMATION- MATCH AIRNAV DATA/SYSTEM GENERATED.
11. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 - CHART INOP NOTE.
12. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV ALL CATS VISIBILITY TO RVR 5500 - CHART INOP NOTE.
13. REMOVED FROM ADDITIONAL FLIGHT DATA, CHART LOC 18C/L - NO LONGER REQUIRED.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, CLT TRACON, AMGR, CLT ATCT

FLIGHT CHECKED BY

MARC J HINCK

Digitally signed by
CASIMIR L TABAKA

Jun 13, 2019

OFFICE

FICO

DATE

6/12/19

DEVELOPED BY Digitally signed by
HEIDI SNIDER **HEIDI SNIDER**

Apr 23, 2019

OFFICE

AJV-A422

DATE

04/23/2019

APPROVED BY
JULIE MORGAN

Digitally signed by
CASIMIR L TABAKA

Jun 13, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLT
RUNWAY	RW18R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18D
LTP/FTP LATITUDE	351331.0180N
LTP/FTP LONGITUDE	0805802.7070W
LTP/FTP ELLIPSOIDAL HEIGHT	+01961
FPAP LATITUDE	351201.9990N
FPAP LONGITUDE	0805755.0470W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B5EDA32F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02268
FPAP ORTHOMETRIC HEIGHT	+02268

