

**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 ID</u> KCTZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> CLINTON	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 144	<u>TDZE</u> 142	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
WEXES	IF/IAF	NAYLR		TF	FB	1.00	059.89	5.98	2000
NAYLR	FAF	AKIVE/1.70 NM TO RW06		TF	FB	0.30	059.94	4.05	
AKIVE/1.70 NM TO RW06		RW06	MAP	TF	FO	0.30	059.94	1.70	
RW06	MAP	392 MSL		CA			059.94		
392 MSL		JASUK		DF	FO	1.00			2500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW06

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2500 DIRECT JASUK AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW WEXES, RT, 059.89 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 059.94FAF: NAYLRDIST FAF TO MAP: 5.75DIST FAF TO THLD: 5.75

4. MIN ALT: WEXES 2500, NAYLR 2000, AKIVE/1.70 NM TO RW06 700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.70GS ANT:

6. MIN GP INCPT: 2000GP ALT AT PFAF : NAYLR 2000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 38.7

8. MSA FROM: RW06 2200

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 240.10 INBOUND.  
CHART FAS OBST: 262 TREE (37-152210) 345735N/0782419W.  
CHART GAMECOCK A MOA.  
CHART SEYMOUR JOHNSON ECHO MOA.  
CHART VDP AT 1.10 NM TO RW06.  
WAAS CHANNEL # 53720  
REFERENCE PATH ID: W06A  
LTP HAE: 4.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	392	3/4	250	392	3/4	250	392	3/4	250	392	3/4	250			
LNAV/VNAV DA	545	1 1/8	403	545	1 1/8	403	545	1 1/8	403	545	1 1/8	403			
LNAV MDA	520	1	378	520	1	378	520	1	378	520	1	378			
CIRCLING	680	1	536	780	1	636	840	2	696	840	2 1/4	696			





FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCTZ
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	345814.1745N
LTP/FTP LONGITUDE	0782219.6430W
LTP/FTP ELLIPSOIDAL HEIGHT	+00049
FPAP LATITUDE	345910.3555N
FPAP LONGITUDE	0782055.3960W
THRESHOLD CROSSING HEIGHT (TCH)	00038.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	ECD60B5A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00396
FPAP ORTHOMETRIC HEIGHT	+00396

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

<u>AIRPORT ID</u> KCTZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>AMDT NO.</u> 2D	<u>CITY</u> CLINTON	<u>STATE</u> NC	<u>AIRPORT ELEVATION</u> 144	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM  
WEXES (IF/IAF)

TO  
NAYLR

<u>RNP</u>	<u>DISTANCE</u> 5.98	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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 (37-022359)	345219.80N/0783218.28W		416	20	3	1A	500				AT1084	2000
TERRAIN	345145.00N/0782815.00W		159 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LPV

FROM  
NAYLR

TO  
RW06

<u>RNP</u>	<u>DISTANCE</u> 5.75	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 250	<u>HMAS</u>							
<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>
TREE (37-152504)	345759.84N/0782237.56W		180	20	3	1A		34.00:1				392

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM  
NAYLR

TO  
RW06

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.75		DA		403							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (37-152712)	345815.01N/0782154.05W		237	20	3	1A	161				XP147	545

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP147 TO MAINTAIN CURRENT MINIMA

FINAL: LNAV

FROM  
NAYLR

TO  
AKIVE/1.70 NM TO RW06

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.05											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	345509.91N/0782546.22W		359	50	20	2C	250				RA47 DG44	700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM  
AKIVE/1.70 NM TO RW06

TO  
RW06

<u>RNP</u>	<u>DISTANCE</u> 1.70	<u>PAT</u>	<u>MAP</u> RW06	<u>HAT</u> 378			<u>HMAS</u>					
<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>
TREE (37-152210)	345734.83N/0782419.43W		262	20	3	1A	250					520

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

HOLD-IN-LIEU OF PT

FROM  
WEXES

TO  
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (37-003260)	344559.12N/0783612.84W		426	50	20	2C	1000				AT1074	2500
TERRAIN	344203.00N/0784306.00W		165 (200)								AS1500	1700

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



MISSED APPROACH : LPV

FROM  
DA

TO  
JASUK

RNP	DISTANCE	PAT	MAP	HAT			HMAS 199					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2500
TOWER (37-002983)	350128.00N/0781759.00W		427	50	20	2C	1000					1500
TERRAIN	350639.00N/0781336.00W		240 (200)								AS1500	1700

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

MISSED APPROACH : LNAV/VNAV

FROM  
DA

TO  
JASUK

RNP	DISTANCE	PAT	MAP	HAT			HMAS 384					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2500
TOWER (37-002983)	350128.00N/0781759.00W		427	50	20	2C	1000					1500
TERRAIN	350639.00N/0781336.00W		240 (200)								AS1500	1700

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





MISSED APPROACH : LNAV

FROM  
RW06

TO  
JASUK

RNP	DISTANCE	PAT	MAP	HAT			HMAS 420					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2500
TOWER (37-002983)	350128.00N/0781759.00W		427	50	20	2C	1000					1500
TERRAIN	350639.00N/0781336.00W		240 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
ANTENNA (37-153207)	345743.09N/0782128.36W	1.30	536	317	20	10	1B	300		XP60	680
CATEGORY B											
TOWER (37-000086)	350011.00N/0782057.00W	1.81	636	414	20	50	1D	300		AC50	780
CATEGORY C											
TOWER (37-000031)	345837.00N/0781815.00W	2.84	696	480	20	50	1D	300		AC50	840
CATEGORY D											
TOWER (37-000031)	345837.00N/0781815.00W	3.71	696	480	20	50	1D	300		AC50	840

CIRCLING REMARKS:

XP60: TO MAINTAIN CURRENT MINIMA



MSA

CENTER

RW06

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (37-001119)	352353.00N/0780806.00W	033	28.1	1148	500	50	5D	1000			2200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT VEGETATION AND 200 FT AAO USED IN PROCEDURE.

ALL INTERMEDIATE OBSTACLES ARE THE SAME.

NO TAA OR "T" IAF'S PER FAYETTEVILLE ATC/FPT ADVISED.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
FAY APP CON, RDU FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KCTZ	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KCTZ	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KDPL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KDPL	<u>DISTANCE</u> 18.99	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 47

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KCTZ 144 KDPL 128  
RA = 46.2

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW06 - MIRL, REIL (PCL), PAPI-2L		NPI-G	
RW24 - MIRL, REIL (PCL), PAPI-2L		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 129.8	<u>TCH</u> 38.7	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 38.7
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -15C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -15C	<u>APT ISA</u> +14.71C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.



<b>AIRPORT ID</b> KCTZ	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 6	<b>AMDT NO.</b> 2D	<b>CITY</b> CLINTON	<b>STATE</b> NC	<b>AIRPORT ELEVATION</b> 144	<b>FACILITY</b> RNAV
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**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	LPV, LNAV/VNAV AND LNAV				
20:1					
.					
Final Type	LPV, LNAV/VNAV AND LNAV				
34:1					
170 TREE (37-152378) 345805.35N/0782230.11W (9.65)			170 TREE (37-152984) 345807.35N/0782233.78W (6.42)		
172 TREE (37-152861) 345804.48N/0782233.03W (4.47)			170 TREE (37-152666) 345805.59N/0782233.23W (4.17)		
169 TREE (37-152860) 345806.44N/0782233.80W (3.68)			174 TREE (37-152997) 345804.96N/0782235.06W (3.51)		
149 TREE (37-152453) 345811.21N/0782228.77W (2.17)			165 TREE (37-152905) 345805.84N/0782232.21W (1.58)		
149 TREE (37-153204) 345811.05N/0782228.97W (1.5)			167 TREE (37-152838) 345804.24N/0782231.89W (1.19)		
150 TREE (37-152364) 345808.14N/0782226.83W (1.12)			169 TREE (37-152318) 345802.93N/0782232.02W (0.49)		
153 TREE (37-152545) 345806.08N/0782226.78W (0.35)					

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

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

<b>PENETRATIONS REMARKS:</b>

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BARO-VNAV AND VDP NA WHEN USING KENANSVILLE ALTIMETER SETTING  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KENANSVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 439 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 592 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET AND LNAV AND CIRCLING VISIBILITY CATS C/D 1/4 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<b>AIRPORT ID</b> KCTZ	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 6	<b>AMDT NO.</b> 2D	<b>CITY</b> CLINTON	<b>STATE</b> NC	<b>AIRPORT ELEVATION</b> 144	<b>FACILITY</b> RNAV
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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	3.24
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	050.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	5.15
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	050.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD  
COORDINATES  
(IF STR-IN)

345814.17N/0782219.64W

ARP COORDINATES

345829.77N/0782156.27W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 6 DISTANCE 0.41 NM

FAF  
COORDINATES

345436.54N/0782745.60W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY  
26  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> CASIMIR L. TABAKA (PHILLIP SMART)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 10/11/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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