

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> W96	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> QUINTON	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 121	<u>TDZE</u> 121	<u>SUPERSEDED</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 10/12/2017
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 10W
				<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RIC VORTAC	IF/IAF	DUTLE		TF	FB	1.00	096.71	6.43	1200
DUTLE	FAF	RW11	MAP	TF	FO	0.30	106.03	2.55	
RW11	MAP	521 MSL		CA			106.03		
521 MSL		WINVO		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LP: RW11  
LNAV: RW11

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT WINVO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- HOLD W RIC VORTAC, LT, 096.71 INBOUND, 2100 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 106.03 FAF: DUTLE DIST FAF TO MAP: 2.55 DIST FAF TO THLD: 2.55
- MIN ALT: RIC VORTAC 2100, DUTLE 1200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- MSA FROM: RW11 2600



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON RIC VORTAC AIRWAY RADIALS 223 CW 317.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RIC ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C 1/8 SM; INCREASE LP AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 286.19 INBOUND.  
CHART FAS OBST: 274 TREE (51-052967) 373044N/0770830W, 251 TREE (51-054826) 373026N/0770835W.  
CHART 425 ANTENNA (51-079411) 373117N/0771113W, 298 WATER\_TOWER (51-079166) 373051N/0771057W.  
WAAS CHANNEL # 45932  
REFERENCE PATH ID: W11A  
DUTLE TO RW11: 3.77/60.  
CHART CIRCLING ICON.  
LTP HAE: 3.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LP MDA	540	1	419	540	1	419	540	1 1/8	419		NA				
LNAV MDA	560	1	439	560	1	439	560	1 1/4	439		NA				
CIRCLING	620	1	499	620	1	499	760	1 3/4	639		NA				



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED RIC VORTAC TO DUTLE SEGMENT COURSE FROM 096.48 TO 096.71 AND DISTANCE FROM 6.28 TO 6.43 - FAF RELOCATED BASED ON GPA/TCH.
2. TERMINAL ROUTES: CHANGED DUTLE TO RW11 SEGMENTG DISTANCE FROM 2.71 TO 2.55 - FAF RELOCATED BASED ON GPA/TCH.
3. PROFILE LINE 2: CHANGED INBOUND COURSE FROM 096.48 TO 096.71 AND ADDED "MAX 6000" - COURSE CHANGE TO ALIGN WITH IF COURSE, PER 8260.19J, PARA 8-6-7B(2).
4. PROFILE LINE 3: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 2.71 TO 2.55 - FAF RELOCATED BASED ON GPA/TCH.
5. PROFILE LINE 7: ADDED 20:1 IS NOT CLEAR - PENETRATIONS EXIST.
6. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - PER 8260.19J, PER 8-6-8D(2).
7. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED" TO "RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - PER 8260.19J, PARA 8-6-12K(2).
8. CHANGED CHART PROFILE NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - PER 8260.19J, 8-6-10M(2).
9. CHANGED CHART NOTE FROM "USE RICHMOND INTL ALTIMETER SETTING" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RIC ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C 1/8 SM; INCREASE LP AND CIRCLING VISIBILITY CAT C 1/4 SM" - PER 860.19J, PARA 8-6-10F(4).
10. ADDITIONAL FLIGHT DATA: REMOVED "VISUAL SEGMENT - OBSTACLES" NOTE - PROCEDURE USING THE HIGHEST ALLOWABLE VDA FROM TABLE 2-6-1 (8260.3E) AND MAX TCH.
11. ADDITIONAL FLIGHT DATA: REMOVED "CHART RICHMOND INTL ASOS" - AIRPORT HAS ITS OWN SOURCE.
12. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "259 TOWER 373045N/0770850W" AND "259 TREE 373039N/0770943W" TO "274 TREE (51-052967) 373044N/0770830W, 251 TREE (51-054826) 373026N/0770835W" - NEW CONTROLLING OBSTACLES.
13. ADDITIONAL FLIGHT DATA: CHANGED 7:1 FROM "423 TOWER 373117N/0771113W" TO "425 ANTENNA (51-079411) 373117N/0771113W, 298 WATER\_TOWER (51-079166) 373051N/0771057W" - NEW OBSTACLE EVALUATION.
14. ADDITIONAL FLIGHT DATA: ADDED "DUTLE TO RW11:3.77/60" - PER 860.19J, PARA 8-6-11O(1).
15. ADDED ALTERNATE MINIMUMS "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - AIRPORT HAS LOCAL ALTIMETER.
16. FAS DATA BLOCK INFORMATION: ADDED TCH 60.0 AND GPA 3.77 - USING THE HIGHEST ALLOWABLE VDA FROM TABLE 2-6-1 (8260.3E) AND MAX TCH TO REMOVE "VISUAL SEGMENT - OBSTACLES" NOTE.
17. CHANGED CRC REMAINDER FROM "611A5CCC" TO "5183CA2F" - FPAP COORDINATES CHANGED FROM "373004.8000N/0770606.4900W" TO "373004.7940N/0770606.4905W".

COORDINATED WITH:

A4A

ALPA

AOPA

X

APA

HAI

NBAA

X

OTHER: ARPT MNGR, ZDC, POTOMAC APP CON

FLIGHT CHECKED BY

Digitally signed by

JOSEPH L ZEDER

JEREMY C LEIGHTON

Oct 04, 2024

OFFICE

FPO

DATE

10/02/2024

DEVELOPED BY

Digitally signed by

JOSEPH L ZEDER

CASIMIR L. TABAKA (SILVIA YOUNG)

Oct 04, 2024

OFFICE

AJV-5432

DATE

05/10/2024

APPROVED BY

Digitally signed by

JOSEPH L ZEDER

CASIMIR L. TABAKA

Oct 04, 2024

OFFICE

AJV-5432

DATE

TITLE

MANAGER



AIRPORT ID  
W96

PROCEDURE NAME  
RNAV (GPS) RWY 11

ORIGINAL/AMENDMENT  
3

CITY  
QUINTON

STATE  
VA

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	W96
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	373014.2260N
LTP/FTP LONGITUDE	0770757.8340W
LTP/FTP ELLIPSOIDAL HEIGHT	+00032
FPAP LATITUDE	373004.7940N
FPAP LONGITUDE	0770606.4905W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.77
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0

CRC REMAINDER	5183CA2F
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00368
FPAP ORTHOMETRIC HEIGHT	+00368

