

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> CJR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> CULPEPER	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 316	<u>TDZE</u> 316	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>DATED</u> 02/20/2025	<u>MAG VAR</u> 10W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2005
			<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>
CSN VORTAC		FAXIK		TF	FO	1.00	207.09	18.24	3000
BUVBE	IAF	FAXIK	NOPT	TF	FB	1.00	038.13	6.24	3000
FAXIK	IF/IAF	GORLE		TF	FB	1.00	038.17	6.10	2100
GORLE	FAF	RW04	MAP	TF	FO	0.30	038.21	5.40	
RW04	MAP	610 MSL		CA			038.21		
610 MSL		DOYAT		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT DOYAT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW FAXIK, RT, 038.17 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 038.21	FAF: GORLE		DIST FAF TO MAP: 5.40	DIST FAF TO THLD: 5.40	
4. MIN ALT: FAXIK 3000, GORLE 2100					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	294 HAT: 0.80	GS ANT:
6. MIN GP INCPT: 2100	GP ALT AT PFAF: GORLE			OM:	MM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 40.0		IM:
8. MSA FROM: RW04 5300					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 48°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING IAD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IAD ALTIMETER SETTING AND INCREASE LPV DA TO 683 FEET; INCREASE LNAV/VNAV DA TO 906 FEET; INCREASE ALL MDAS 80 FEET AND VISIBILITY CATS C/D 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CSN VORTAC AIRWAY RADIALS 148 CW 239.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: WARNING - WASHINGTON DC SFRA. CONTACT POTOMAC APP CON.
CHART PLANVIEW NOTE: WASHINGTON DC METROPOLITAN SFRA.
HOLD NE, RT, 218.31 INBOUND.
FAS OBST: 558 AAO 382642N/0775351W.
CHART VDP AT 1.45 NM TO RW04.
WAAS CHANNEL # 77606
REFERENCE PATH ID: W04A
LTP HAE: 63.9 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
LPV DA	610	1	294	610	1	294	610	1	294	610	1	294			
LNAV/VNAV DA	833	1 3/4	517	833	1 3/4	517	833	1 3/4	517	833	1 3/4	517			
LNAV MDA	820		504		NA			NA			NA				

CHANGES - REASONS

1. CHART NOTES: REMOVED STRAIGHT-IN RWY 4 AT NIGHT, CIRCLING RWY 4, 22 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.- 20:1 OBSTACLES NO LONGER EXIST
2. TERMINAL ROUTES: ADDED COURSE 038.21 TO MISSED APCH CA LEG.-IAW 8260.19J
3. LINE 7: CHANGED 20:1 IS NOT CLEAR TO 20:1 IS CLEAR.- 20:1 OBSTACLES NO LONGER EXIST
4. CHART NOTES: CHANGED HELICOPTER VISIBILITY REDUCTION NOTE FROM BELOW 1SM NA TO 3/4SM.-20:1 OBSTACLES NO LONGER EXIST
5. ADDITIONAL FLIGHT DATA: ADDED CHART VDP AT 1.45 NM TO RW04.-20:1 OBSTACLES MITIGATED
6. CHART NOTES: CHANGED BARO-VNAV NA WHEN USING IAD ALTIMETER SETTING TO BARO-VNAV AND VDP NA WHEN USING IAD ALTIMETER SETTING.-IAW 8260.19J
7. ADDITIONAL FLIGHT DATA: ADDED FAS OBSTACLE: 558 AAO 382642.00N/0775351.00W.- IAW 8260.19J



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZDC, PCT TRACON, AIRPORT MANAGER

FLIGHT CHECKED BY

Processed IAW Technical Support Group (AJF-17) Memo dated 07/07/2021,
Subject: Guidance for Procedural Changes Requiring Flight Inspection/Validation

Digitally signed by
DAVID DANNER
May 13, 2025

OFFICE

DATE

DEVELOPED BY

NICHOLAS HEIDERSTADT

Digitally signed by
DAVID DANNER
May 13, 2025

OFFICE

AJV-A421

DATE

05/06/2025

APPROVED BY

DAVID DANNER

Digitally signed by
DAVID DANNER
May 13, 2025

OFFICE

AJV-A421

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KCJR
RW04
0

0
W04A
383109.9290N
0775149.5315W
+00639
383228.5000N
0775055.8000W
00040.0
F
03.00
106.75
1224
40.0
50.0

CRC REMAINDER

E4F3A986

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00961
+00961



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CJR	RNAV (GPS) RWY 4	ORIG-C	CULPEPER	VA	316	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CSN VORTAC **TO** FAXIK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	18.24				

<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>
1. AAO	382630.70N/0775736.30W	999	50	20	2C	2000					3000
2. TERRAIN	382630.70N/0775736.30W	799 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM BUVBE **TO** FAXIK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	6.24				

<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>
3. TOWER (47-0197)	381838.96N/0780012.32W	1457	20	3	1A	1000				AT543	3000
4. TERRAIN	381842.00N/0780009.00W	1099 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

FAXIK (IF/IAF)

TO

GORLE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.10										
<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>
5. AAO	382300.00N/0780354.00W	1029	50	20	2C	500					1600
6. TERRAIN	382615.00N/0775715.00W	614 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

GORLE

TO

RW04

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	5.40		DA		294						
<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 (51-065347)	383048.30N/0775157.60W	370	20	10	1B		33.55:1			AC10	610

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

GORLE

TO

RW04

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.40		DA				517				
<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	383018.00N/0775303.00W	473	215	8	4B		23.06:1			AC8	833

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

GORLE

TO

RW04

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.40		RW04				504				
<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>
AAO	382642.00N/0775351.00W	558	215	8	4B	250					820

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

FAXIK

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
		P-5									
<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>
3. TOWER (47-0197)	381838.96N/0780012.32W	1457	20	3	1A	1000				AT500	3000
4. TERRAIN	381842.00N/0780009.00W	1099 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

DOYAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											392
<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>
							ASC				3000
TOWER (51-001104)	384042.10N/0774717.00W	858	50	20	2C	1000					1900
TERRAIN	384024.00N/0774642.00W	633 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

DOYAT

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 534				
<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>
							ASC				3000
TOWER (51-001104)	384042.10N/0774717.00W	858	50	20	2C	1000					1900
TERRAIN	384024.00N/0774642.00W	633 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW04

TO

DOYAT

RNP 0.30-1.00	DISTANCE	PAT	MAP			HAT	HMAS 570				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (51-001104)	384042.10N/0774717.00W	858	50	20	2C	1000					1900
TERRAIN	384024.00N/0774642.00W	633 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☐ CAT A

☐ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☒ NOT AUTHORIZED



MSA

CENTER

RW04

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	383320.90N/0782345.50W	285	25.2	4250	1000	3	6A	1000			5300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

PCT TRACON, DCA FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	CJR	24	CJR	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	IAD	24	IAD	31.49	Y	73

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KCJR 316, KIAD 312
RA = 72.88.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)		NPI-F	
RW22 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	315.3	40.0			3.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C	+48C	-15C	+14.38C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
DESCENT RATE (FPM): STANDARD TEMP 972 HIGH TEMP 1265.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, LNAV		
34:1			
356 POLE (51-020898) 383056.7200N/0775157.5900W (3.04)		320 FENCE (51-020894) 383108.0900N/0775153.8200W (1.02)	
<u>PENETRATIONS REMARKS:</u>			

QUALITY

10

CHECKED



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
TAA NOT DEVELOPED, COORDINATED BY ATC.
100' TREES USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 591 AAO 382621.00N/0775512.00W.

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	3.59
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.72
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	028.21
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	5.20
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	028.21
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)	383109.93N/0775149.53W
ARP COORDINATES	383131.70N/0775134.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 22 DISTANCE 0.41 NM
FAF COORDINATES	382624.28N/0775504.57W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
NICHOLAS HEIDERSTADT	AJV-A421	05/06/2025	AERONAUTICAL INFORMATION SPECIALIST

