

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
HWY	LOC RWY 15	ORIG-C	WARRENTON	VA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
336	327	LOC/DME RWY 15	ORIG-B	07/15/2021	10W	2005
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-HWY			ROUTINE			

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		EYAGI/13.59 DME					354.72	6.62	3600
EYAGI/13.59 DME	IF/IAF	LIPIY/6.75 DME					148.82 (I-HWY)	6.84	2200

MISSED APPROACH

MAP:

I-HWY 1.00 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 DIRECT CSN VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--------------|--|----------|----------------|------------------|------------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. | HOLD NW EYAGI/13.59 DME, RT, 148.82 INBOUND, 3600 IN LIEU OF PT (IAF), MAX 4800. | | | | |
| 3. FAC: | 148.82 | FAF: | LIPIY/6.75 DME | DIST FAF TO MAP: | DIST FAF TO THLD: 5.76 |
| 4. MIN ALT: | EYAGI/13.59 DME 3600, LIPIY/6.75 DME 2200, OPAAL/3.49 DME 1160 | | | | |
| 8. MSA FROM: | CSN VORTAC 060-240 3400, 240-330 5300, 330-060 3700 | | | | |

QUALITY
13
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: VDP NA WHEN USING CJR ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CJR ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND CIRCLING VISIBILITY CAT D 1/4 SM.
CHART PLANVIEW NOTE: WASHINGTON DC METROPOLITAN SFRA.
CHART PLANVIEW NOTE: WARNING -- WASHINGTON DC SFRA. CONTACT POTOMAC APP CON.

ADDITIONAL FLIGHT DATA:

LIPIY TO RW15: 3.00/53.
HOLD SW, LT, 027.00 INBOUND.
CHART FAS OBST: 519 TREE 383652N/0774451W.
CHART 870 TOWER (51-001104) 384042N/0774717W.
CHART DEMO 1 MOA.
CHART R-6608A/B.
CHART WASHINGTON DC SFRA.
CHART VDP AT 2.30 DME.
DISTANCE VDP TO THLD 1.30 NM.

MINIMUMS:

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

ALTERNATE: NA ☒

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
S-15	780	1	453	780	1	453	780	1 3/8	453	780	1 3/8	453			
CIRCLING	780	1	444	800	1	464	880	1 1/2	544	980	2	644			

CHANGES - REASONS

1. WHOLE PROCEDURE: CHANGED PROCEDURE NAME FROM LOC/DME RWY15 TO LOC RWY 15. - IAW 8260.19K.
2. ALTERNATE MA INSTRUCTIONS: REMOVED ALTERNATE MA INSTRUCTIONS. - MSQ NDB DECOM.
3. EQUIPMENT REQUIREMENTS NOTE: ADDED DME REQUIRED. - IAW 8260.19K.
4. NOTES: CHANGED FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA". - IAW 8260.19K.
5. NOTES: CHANGED SECONDARY ALTIMETER AIRPORT NAME FROM CULPEPER TO CJR. - IAW 8260.19K.
6. NOTES: ADDED CHART NOTE: VDP NA WHEN CJR ALTIMETER SETTING. - IAW 8260.19K.
7. ADDITIONAL FLIGHT DATA: REMOVED CHART NOTE: VDP NA WITH CJR ALTIMETER SETTING. - IAW 8260.19K.
8. ADDITIONAL FLIGHT DATA: CHANGED FROM LIPIY TO RWY 15: 3.00/53.0 TO LIPIY TO RW15: 3.00/53. - IAW 8260.19K.

05/08/2026:THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/28/2026.
1. NOTES: ADDED "CHART PLANVIEW NOTE: WASHINGTON DC METROPOLITAN SFRA".
2. NOTES: ADDED "CHART PLANVIEW NOTE: WARNING -- WASHINGTON DC SFRA. CONTACT POTOMAC APP CON".



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZDC, PCT TRACON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by

RAKE MCGRAW

May 11, 2026

OFFICE

DATE

DEVELOPED BY

RAKE MCGRAW (ANDRE TUCKER)

Digitally signed by

RAKE MCGRAW

May 11, 2026

OFFICE

DATE

AJV-A431

02/26/2026

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

May 11, 2026

OFFICE

DATE

TITLE

AJV-A422

06/04/2026

MANAGER



**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>
HWY	LOC RWY 15	ORIG-C	WARRENTON	VA	336	I-HWY

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CSN VORTAC **TO** EYAGI/13.59 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	6.62				

<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 (51-000111)	384402.38N/0775009.97W	1384	50	20	2C	2000				AT216	3600
TERRAIN	384403.00N/0775012.00W	1070 (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 EYAGI/13.59 DME (IF/IAF) **TO** LIPIY/6.75 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	6.84				

<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	384733.00N/0775021.00W	1555	50	20	2C	500				DG145	2200
TERRAIN	384657.00N/0775039.00W	1080 (1100)								AS1000	2100

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL

FROM

LIPIY/6.75 DME

TO

OPAAL/3.49 DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
	3.26										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	383801.78N/0774545.93W	640	50	20	2C	250				DG230 RA40	1160

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: STEPDOWN

FROM

OPAAL/I-HWY 3.49 DME

TO

I-HWY 1.00 DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
	2.50		I-HWY 1.00 DME		453						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	383651.54N/0774451.29W	519	50	20	2C	250					780

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

EYAGI/13.59 DME

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<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>
AAO	385145.00N/0780233.00W	2202	50	20	2C	1000				AT398	3600
TERRAIN	385145.00N/0780233.00W	2002 (2000)								AS1500	3500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM

I-HWY 1.00 DME

TO

CSN VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 530			
<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)	384042.00N/0774717.00W	870	500	125	5E	1000					1900
TERRAIN	384054.00N/0774739.00W	621 (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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (51-041999)	383350.23N/0774127.01W	1.30	444	443	20	3	1A	300		SI	780
CATEGORY B											
TRANSMISSION LINE (51-020375)	383338.37N/0774129.40W	1.82	464	476	50	20	2C	300		HAA	800
CATEGORY C											
TREE (51-041988)	383645.28N/0774554.55W	2.85	544	563	20	10	1B	300			880
CATEGORY D											
AAO	383143.75N/0774005.15W	3.73	644	670	50	20	2C	300			980

CIRCLING REMARKS:

MSA

CENTERRADIUS

CSN VORTAC25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
060-240	AAO	382559.90N/0782000.90W	247	25.3	2360	50	20	2C	1000			3400
240-330	AAO	383320.90N/0782345.50W	265	25.5	4250	50	20	2C	1000			5300
330-060	AAO	385030.00N/0780930.00W	317	18.3	2635	250	125	4E	1000			3700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDC ARTCC, PCT TRACON, DCA FSS

WX SERVICE AWOS-3	LOCATION HWY	HRS OPERATION 24	ALTIMETER SOURCE HWY	DISTANCE	WMSCR Y	ADJUSTMENTS 0
BACK-UP WX SERVICE AWOS-3	LOCATION CJR	HRS OPERATION 24	ALTIMETER SOURCE CJR	DISTANCE 7.89	WMSCR Y	ADJUSTMENTS 22

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KHWY 336, KCLR 316
RA = 21.1.



PRIMARY NAVAID

I-HWY

MONITOR POINT

TERMINAL BLDG

HRS OPERATION

0800-2000

CAT

3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW15 - REIL, HIRL (PCL), PAPI-4L	NPI-F	
RW33 - HIRL (PCL), REIL, PAPI-4L	NPI-F	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

TCH

3.00

52.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

ON CENTERLINE

X

X

FT FROM THRESHOLD

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LOC
34:1	
360 TREE 383545.82N/0774308.30W (1.25).	404 TREE 383547.35N/0774328.35W (11.01).
PENETRATIONS REMARKS:	

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.

ILS APPROACH NOT DEVELOPED AT THIS TIME PER FPT REQUEST.

100 FT VEGETATION USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 870 TOWER (51-001104) 384042.00N/0774717.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	3.76
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.03
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	138.82
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	FAF	TO 1500FT POINT	4.84
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	6.01
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	138.82
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD COORDINATES (IF STR-IN)	383529.22N/0774259.00W
ARP COORDINATES	383510.63N/0774238.27W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 15 DISTANCE 0.41 NM
FAF COORDINATES	383949.49N/0774749.50W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAKE MCGRAW (ANDRE TUCKER)	AJV-A431	02/26/2026	AERONAUTICAL INFORMATION SPECIALIST

