

**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> KDCA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> WASHINGTON	<u>STATE</u> DC		
<u>AIRPORT ELEVATION</u> 14	<u>TDZE</u> 14	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 11/08/2018	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<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>
AML VOR/DME	IAF	NIPEE		TF	FB	1.00	078.81	11.41	2500
NIPEE	IF	AVOLE		TF	FB	1.00	137.94	6.72	2000
AVOLE	FAF	(CFSDN)	MAP	TF	FO	0.30	150.80	6.06	
(CFSDN)	MAP	600 MSL		CA			150.80		600
600 MSL		DCA NDB		DF	FO	1.00			1800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: (CFSDN)

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 210 KIAS UNTIL REACHING 600 FT MSL) CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 1800 DIRECT DCA NDB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT NIPEE					
3. FAF:	150.80	FAF: AVOLE	DIST FAF TO MAP:	6.06	DIST FAF TO THLD: 6.06
4. MIN ALT:	NIPEE 2500, AVOLE 2000				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	381 HAT: 1.02	GS ANT:
6. MIN GP INCPT:	2000	GP ALT AT FAF :	AVOLE 2000	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
			TCH:	55.0	
8. MSA FROM:	CFSDN 2600				

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA NORTHEAST OF RWY 15-33.
CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
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 PLANVIEW NOTE: NOTE: PROHIBITED AREA (P-56) 1.5 NM NORTH OF DCA - AVOID SURFACE TO 18000 MSL.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.79 DEGREES.
HOLD S, LT, 007.00 INBOUND.
FAS OBST: 539 AAO 385515N/0770524W.
CHART P-56 A AND B.
CHART P-73.
CHART VDP AT 2.34 NM TO (CFSDN)*
*LNAV ONLY.
WAAS CHANNEL # 70737
REFERENCE PATH ID: W15A
FAC CROSSES RWY C/L EXTENDED 5000 FT FROM THLD.
FTP HAE: -27.8 M



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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 900-3

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	395	1 1/8	381	395	1 1/8	381	395	1 1/8	381	395	1 1/8	381			
LNAV/VNAV DA	749	2	735	749	2	735	749	2	735	749	2	735			
LNAV MDA	800	1	786	800	1 1/4	786	800	2 1/2	786	800	2 1/2	786			
CIRCLING	800	1	786	800	1 1/4	786	840	2 1/2	826	900	3	886			

CHANGES - REASONS

1. LPV DA/HAT CHANGED FROM 394/380 TO 395/381. - NEW CONTROLLING OBS AND INCORPORATE NOTAM FDC 9/7129.
2. DELETED FAHRENHEIT TEMPERATURES FROM BARO-VNAV NOTE. - 8260.19H, 8-6-8S.
3. INCORPORATED CHANGES FROM P-NOTAM RNAV (GPS) RWY 15, ORIG-B.
4. LPV ALL CATS VISIBILITY CHANGED FROM 1 1/4 SM TO 1 1/8 SM. - NEW VISIBILITY TABLES.
5. DELETED CHART PLANVIEW NOTE: LIMIT MISSED APPROACH AIRSPEED TO 210 KIAS UNTIL REACHING 600 FT MSL. - 8260.19H, 8-6-6 D11.
6. DELETED ADDITIONAL FLIGHT DATA: FICTITIOUS THRESHOLD POINT (CFSDN) DO NOT CHART. - CFSDN IS A CHARTABLE FIX.
7. LTP/FTP LATITUDE/LONGITUDE CHANGED FROM 385141.7340N/0770233.5150W TO 385141.6890N/0770233.4660W. - TARGETS CALCULATION.
8. FPAP LATITUDE/LONGITUDE CHANGED FROM 385033.5600N/0770119.9790W TO 385033.5150N/0770119.9305W. - TARGETS CALCULATION.
9. CRC REMAINDER CHANGED FROM B2E0B3A0 TO 2FEC5DDC. - LTP/FTP AND FPAP RELOCATED.
10. LNAV/VNAV CAT A-D MINIMUMS CHANGED FROM DA/HAT 745/731 TO 749/735. - NEW CONTROLLING OBSTACLE.
11. LNAV/VNAV ALL CATS VISIBILITY CHANGED FROM 2 1/2 SM TO 2 SM. - NEW VISIBILITY TABLES.
12. CHANGED ALTERNATE MINIMUMS FROM "CAT A, B 800-2 1/2, CAT C 900-2 1/2, CAT D 900-3" TO "STANDARD - CAT C 900-2 1/2, CAT D 900-3." - NEW VISIBILITY TABLES.

COORDINATED WITH:

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☒ ~~HAI~~ ☐ ~~NBAA~~ ☒

OTHER: ZDC, POTOMAC APP CON, KDCA ATCT, ARPT MGR
Digitally signed by

FLIGHT CHECKED BY

BOB S PRESSLER

JON DENTON

Nov 18, 2020

OFFICE

FICO

DATE

10/27/2020

Digitally signed by

DEVELOPED BY

WARDELL HENNING (THOR CORNELL)

JON DENTON

Nov 18, 2020

OFFICE

AJV-A432

DATE

06/12/2020

Digitally signed by

APPROVED BY

GEORGE DAVIS

JON DENTON

Nov 18, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDCA
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	385141.6890N
LTP/FTP LONGITUDE	0770233.4660W
LTP/FTP ELLIPSOIDAL HEIGHT	-00278
FPAP LATITUDE	385033.5150N
FPAP LONGITUDE	0770119.9305W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2FEC5DDC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00043
FPAP ORTHOMETRIC HEIGHT	+00043

