

**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 33	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WASHINGTON	<u>STATE</u> DC		
<u>AIRPORT ELEVATION</u> 14	<u>TDZE</u> 13	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<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>
KATRN	IF	NADSE		TF	FB	1.00	006.50	5.45	1700
NADSE	FAF	@IDTEK		TF	FB	0.30	022.75	3.61	
IDTEK		@RW33	MAP	TF	FO	0.30	333.66	1.40	
RW33	MAP	414 MSL		CA			333.66		
414 MSL		GTN NDB		DF	FO	1.00			2200

**MISSED APPROACH**

**MAP:**

LNAV: RW33

**MISSED APPROACH INSTRUCTIONS:**

(DO NOT EXCEED 210 KIAS UNTIL RWY 33) CLIMB TO 2200 ON THE FMS LATERAL PATH TO RWY 33 AND DIRECT TO GTN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2200.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT KATRN

3. FAF: @

FAF: NADSE

DIST FAF TO MAP: 5.01

DIST FAF TO THLD: 5.01

4. MIN ALT: KATRN 2500, NADSE 1700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF : \*IDTEK 490

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: RW33 2500

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTE:

RADAR REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH{FEET}).  
CHART PLANVIEW NOTE: TURN REQUIRED IN THE VISUAL SEGMENT.  
CHART PLANVIEW NOTE: CROSS IDTEK, FLY VISUAL TO AIRPORT ALONG DEPICTED TRACK 334 TO RWY 33.  
CHART PLANVIEW NOTE: NOTE: PROHIBITED AREA (P-56) 1.5 NM NORTH OF DCA - AVOID SURFACE TO 18000 MSL.  
CHART PLANVIEW NOTE AT IDTEK: VGF (VISUAL GUIDANCE FIX).

ADDITIONAL FLIGHT DATA:

NADSE TO RWY 33: 3.10/40  
CHART VDP AT 0.58 NM TO IDTEK  
FAS VISUAL MANEUVER OBST: 260 TREE 385019N/0770021W  
\*CHECK ALTITUDE  
CHART P-56 A/B  
CHART P-73  
HOLD NW, RT, 147.00 INBOUND (DO NOT CHART).  
CHART FAS OBST: 420 BUILDING (24-020922) 384740N/0770043W.

MINIMUMS:

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

ALTERNATE: NA

☐

STANDARD

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
LNAV MDA	680	2 1/4	667	680	2 1/4	667	680	2 1/4	667	680	2 1/4	667			

CHANGES - REASONS

ORIGINAL PROCEDURE



02/09/23: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/06/22.

1. TERMINAL ROUTES: REMOVED "##" FROM "##IDTEK" - PRB REQUIRED.
2. UPDATED MAP FROM "IDTEK" TO "RW33" - PRB REQUIRED.
3. UPDATED MISSED APPROACH FROM "(DO NOT EXCEED 210 KIAS UNTIL RWY 33) CLIMB TO 2200 ON THE FMS LATERAL PATH TO RWY 33 AND DIRECT TO GTN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2200. IF UNABLE TO FOLLOW THE FMS LATERAL PATH CLIMB TO 2200 AND TURN TO HEADING 334 DIRECT GTN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2200" TO "(DO NOT EXCEED 210 KIAS UNTIL RWY 33) CLIMB TO 2200 ON THE FMS LATERAL PATH TO RWY 33 AND DIRECT TO GTN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2200" - PRB REQUIRED.
4. PROFILE LINE 3: UPDATED DIST FAF TO MAP FROM 3.61 TO 5.01 - PRB UPDATE FOR MAP LOCATION.
5. PROFILE LINE 6: ADDED GP ALT AT FAF: "IDTEK 490 - PRB REQUIRED.
6. NOTES: ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - VDP IS PUBLISHED.
7. ADDITIONAL FLIGHT DATA: REMOVED "## THIS MAY RESULT IN THE NEED TO LABEL RWY 33 AS THE MAP FOR PACKING PURPOSES (DO NOT CHART) - PRB DETERMINED NEW MAP LOCATION.
8. ADDITIONAL FLIGHT DATA: ADDED "CHECK ALTITUDE" - PRB REQUIRED.
9. UPDATED PROCEDURE NAME FROM "RNAV (GPS) Y RWY 33" TO "RNAV (GPS) RWY 33" - MULTIPLE RNAV PROCEDURES WILL NO LONGER BE CREATED.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDC ARTCC, DCA ATCT, POTOMAC APP CON, AMGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*  
**CASIMIR L TABAKA**

**OFFICE**

**DATE**

*Digitally signed by*

**CASEY D HILL**

Feb 15, 2023

Mar 01, 2023

**OFFICE**

AJV-A432

**DATE**

10/24/2022

**APPROVED BY**

CASIMIR TABAKA

*Digitally signed by*

**CASIMIR L TABAKA**

Feb 16, 2023

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER