

**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> DCA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WASHINGTON	<u>STATE</u> DC
<u>AIRPORT ELEVATION</u> 14	<u>TDZE</u> 13	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>DATED</u> 04/20/2023	<u>MAG VAR</u> 11W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 14 MAY 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2020
			<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>
KATR N	IF	NADSE		TF	FB	1.00	006.46	5.44	1700
NADSE	FAF	@ZIMMM		TF	FB	0.30	022.35	3.04	
ZIMMM		@IDTEK		TF	FB	0.30	022.35	0.61	
IDTEK		@RW33	MAP	TF	FO	0.30	333.69	1.37	
RW33	MAP	414 MSL		CA			333.69		
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:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
1. PT
2. PROFILE STARTS AT KATR N
3. FAC: @ FAF: NADSE DIST FAF TO MAP: 5.01 DIST FAF TO THLD: 5.01
4. MIN ALT: KATR N 3000, NADSE 1700
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:
6. MIN GP INCPT: GP ALT AT FAF: 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 NOTES:

RADAR REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PROFILE NOTE: TURN REQUIRED FROM VGF TO RW33.
CHART PLANVIEW NOTE: CROSS ZIMMM, FLY VISUAL TO AIRPORT ALONG DEPICTED TRACKS 022 AND 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 ZIMMM: VGF (VISUAL GUIDANCE FIX).
CHART NOTE: HELICOPTER VISIBILITY REDUCTION IS NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

NADSE TO RWY 33: 3.10/40
CHART FAS VISUAL MANEUVER OBST: 281 TWR (11-020103) 384919.65N/0770035.21W

CHART P-56 A/B
CHART P-73

*RECOMMENDED ALTITUDE
CHART RECOMMENDED ALT IN PROFILE: *ZIMMM 700, *IDTEK 500.
HOLD NW, RT, 147.00 INBOUND.
CHART FAS OBST: 420 BUILDING (24-020922) 384740N/0770043W.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B, C, D 800-2 1/2

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	700	2 1/2	687	700	2 1/2	687	700	2 1/2	687	700	2 1/2	687			



CHANGES - REASONS

1. ADDED TERMINAL ROUTE FROM NADSE TO ZIMMM 022.35/3.04 NM - NEW VGF FIX.
2. ADDED TERMINAL ROUTE FROM ZIMMM TO IDTEK 022.35/0.61 NM - NEW VGF FIX.
3. CHANGED TERMINAL ROUTE FROM IDTEK TO RW33 FROM 333.66/1.40 NM TO 333.69/1.37 NM - FIX IDTEK MOVED.
4. CHANGED CA LEG TERMINAL ROUTE COURSE FROM 333.66 TO 333.69 - FIX IDTEK MOVED / FINAL COURSE CHANGED.
5. CHANGED PROFILE LINE 4 MIN ALT AT KATRN FROM 2500 TO 3000 - NOISE REDUCTION/ FPT REQUEST.
6. REMOVED PROFILE LINE 6 GP ALT AT FAF: *IDTEK 490 TO ADDITIONAL FLIGHT DATA AND INCLUDED VGF FIX ZIMMM - CLARITY.
7. CHANGED ADDITIONAL FLIGHT DATA NOTE "CHART PLANVIEW NOTE AT IDTEK: VGF (VISUAL GUIDANCE FIX)." TO READ "CHART PLANVIEW NOTE AT ZIMMM: VGF (VISUAL GUIDANCE FIX) - NEW VGF FIX.
8. REMOVED ADDITIONAL FLIGHT DATA "CHART VDP AT 0.58 NM TO IDTEK" - VISUAL FINAL APP.
9. ADDED CHART NOTE: CHART NOTE: HELICOPTER VISIBILITY REDUCTION IS NOT AUTHORIZED. - PER FPT/ UPCOMING VGF GUIDANCE.
10. CHANGED "CHART PLANVIEW NOTE: TURN REQUIRED IN THE VISUAL SEGMENT" TO READ "CHART PROFILE NOTE: TURN REQUIRED FROM VGF TO RW33" - PER FPT/ UPCOMING VGF GUIDANCE.
11. CHANGED "CHART PLANVIEW NOTE: CROSS IDTEK, FLY VISUAL TO AIRPORT ALONG DEPICTED TRACK 334 TO RWY 33" TO READ "CHART PLANVIEW NOTE: CROSS ZIMMM, FLY VISUAL TO AIRPORT ALONG DEPICTED TRACKS 022 AND 334 TO RWY 33" - NEW VGF FIX.
12. CHANGED FAS VISUAL MANEUVER OBST: FROM 260 TREE 385019N/0770021W TO CHART CHANGED FAS VISUAL MANEUVER OBST: 281 TWR (11-020103) 384919.65N/0770035.21W - NEW SURVEY CONDUCTED.
13. INCREASED LNAV MDA ALL CATS FROM 680 TO 700 - FPT REQUEST.
14. CHANGED LNAV VIS ALL CATS FROM 2 1/4 SM TO 2 1/2 SM - VGF FIX MOVED FURTHER AWAY, ROUNDED TO THE NEXT GREATER 1/2 SM.
15. CHANGED *CHECK ALTITUDE TO *RECOMMENDED ALTITUDE CHART RECOMMENDED ALT IN PROFILE: *ZIMMM 700, *IDTEK 500 - PROJECTED ALT AT FIXES CONFORM WITH OTHER PUBLISHED VGF FIX APPROACHES.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZDC ARTCC, DCA ATCT, POTOMAC APP CON, AMGR

FLIGHT CHECKED BY MICHAEL G CAMPBELL	Digitally signed by CASEY D HILL Mar 19, 2026	OFFICE AJF	DATE 03/17/2026	
DEVELOPED BY PHILLIP SMART	Digitally signed by CASEY D HILL Mar 19, 2026	OFFICE AJV-A431	DATE	
APPROVED BY CASEY HILL	Digitally signed by CASEY D HILL Mar 19, 2026	OFFICE AJV-A431	DATE 04/09/2026	TITLE MANAGER

