

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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 (RNP) Z RWY 19	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> WASHINGTON	<u>STATE</u> DC
<u>AIRPORT ELEVATION</u> 14	<u>TDZE</u> 13	<u>SUPERSEDED</u> RNAV (RNP) RWY 19	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 11W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 2B	<u>REQUIRED EFFECTIVE DATE</u> 07/11/2024	<u>EPOCH YEAR</u> 2020
		<u>ACTUAL EFFECTIVE DATE</u> 11 JULY 2024	<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>
DARIC	IF	SUNEY	PFAF	TF	FB	1.00	150.05	2.48	2000
SUNEY	PFAF	* GREYZ		TF	FB	0.30	164.13	1.05	
GREYZ		* FONVI		RF	FB	0.30	(1.50 NM RADIUS CCW (CFBGW))	1.38	
FONVI		* JUBOL		RF	FB	0.30	(1.51 NM RADIUS CW (CFFJM))	0.85	
JUBOL		* WIRSO		TF	FB	0.30	143.91	1.45	
WIRSO		* FIROP		RF	FB	0.30	(1.06 NM RADIUS CW (CFFJL))	0.79	
FIROP		RW19	MAP	TF	FO	0.30	186.50	0.56	
RW19	MAP	414 MSL		CA			186.50		
414 MSL		BADDN		DF	FO	1.00			3000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 ON THE FINAL APPROACH TRACK TO RWY 19 THEN DIRECT BADDN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT DARIC
- FAC: * FAF: SUNEY DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: DARIC 2700, SUNEY 2000
- DIST TO THLD FROM PFAF: 6.09 MM: IM: 150 HAT: 478 HAT: 1.35 GS ANT:
- MIN GP INCPT: 2000 GP ALT AT PFAF: SUNEY 2000, GREYZ 1700, FONVI 1226, JUBOL 954, WIRSO 492, FIROP 241 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 50.0
- MSA FROM: RW19 2500



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -8°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROHIBITED AREA (P-56) 1.5 NM NORTH OF DCA - AVOID SURFACE TO 18000 MSL.

CHART SPEED ICON IN PLANVIEW AT DARIC: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART: 63 BRIDGE 385227N/0770220W
 CHART: 595 MONUMENT 385322N/0770207W
 HOLD S, RT, 006.49 INBOUND.
 CHART 191 BUILDING 385257N/0770146W.
 CHART P-56A/B.

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												
AUTHORIZATION REQUIRED																
RNP 0.11 DA	491	6000	478	491	6000	478	491	6000	478	491	6000	478				
RNP 0.30 DA	550	1 1/2	537	550	1 1/2	537	550	1 1/2	537	550	1 1/2	537				



CHANGES - REASONS

1. DELETED TERMINAL ROUTE FROM FERGI TO DARIC AND ALL ASSOCIATED NOTES - ATC/FPT REQUEST DUE TO NOISE ISSUES.
2. CHANGED ROUTE FROM "DARIC TO GREYZ" TO "DARIC TO SUNEY" AND COURSE/DISTANCE FROM "162.52/3.00" TO "150.05/2.48" AND ALTITUDE FROM "1700" TO "2000" - ATC/FPT REQUEST.
3. CHANGED TERMINAL ROUTE FROM "GREYZ TO SETOC" TO "SUNEY TO GREYZ" AND COURSE/DISTANCE FROM "(1.80 NM RADIUS CCW (CFBGW))/0.67" TO 164.13/1.05 AND ALTITUDE FROM "1500" TO "1700" - ATC/FPT REQUEST.
4. CHANGED TERMINAL ROUTE FROM "SETOC TO FONVI" TO "GREYZ TO FONVI" AND COURSE/DISTANCE FROM "(1.80 NM RADIUS CCW (CFBGW))/0.90" TO "(1.50 NM RADIUS CCW (CFBGW))" AND ALTITUDE FROM "1214" TO "1226" - ATC/FPT REQUEST AND RADIUS FIX (CFBGW) MOVED 1,682.54 FEET SOUTH.
5. UPDATED RADIUS DISTANCE FROM FONVI TO JUBOL FROM "1.50 NM RADIUS CW (CFFJM)/0.81" TO "1.51 NM RADIUS CW (CFFJM) 0.85" AND ALTITUDE FROM "955" TO "954" - RADIUS FIX (CFFJM) MOVED 32.89 FEET SOUTH.
6. UPDATED COURSE AND DISTANCE FROM JUBOL TO WIRSO FROM "143.92/1.49" TO "143.91/1.45" AND ALTITUDE FROM "480" TO "492" - WIRSO FIX MOVED 236.57 FEET NORTHEAST.
7. CHANGED COURSE/DISTANCE FROM WIRSO TO FIROP FROM "(0.96 NM RADIUS CW (CFFJL))/0.71" TO "(1.06 NM RADIUS CW (CFFJL))/0.79" AND ALTITUDE FROM "253" TO "241" - WIRSO FIX RELOCATED 236.57 FEET NORTHEAST, FIROP FIX MOVED 230.90 FEET SOUTH AND RADIUS FIX (CFFJL) RELOCATED 279.66 FEET WEST.
8. FIROP TO RW19 COURSE/DISTANCE CHANGED FROM "186.52/0.60" TO "186.50/0.56" - FIROP RELOCATED 230.90 FEET SOUTH.
9. ADDED COURSE-TO-ALTITUDE (CA) LEG FROM MAP TO 414 MSL - IAW 8260.58, PARA 3-5-2.
10. DISTANCE FROM THLD TO OM CHANGED FROM "4.52" TO "6.09" AND FROM PFAF - FINAL APPROACH FIX CHANGED FROM SETOC TO SUNEY.
11. DISTANCE TO 478 HAT CHANGED FROM "1.34" TO "1.35" - RECALCULATED DISTANCE.
12. MINIMUM GLIDE PATH INTERCEPT ALTITUDE CHANGED FROM "1500" TO "2000" - NEW PFAF LOCATION AND ATC REQUESTED DESIGN.
13. ADDED 20:1 IS NOT CLEAR TO LINE 7 - IAW 8260.19, PARA 8-6-7 G (3).
14. MSA ALTITUDE CHANGED FROM "2600" TO "2500" - CONTROLLING OBSTACLE MSL ELEVATION CHANGED FROM 1504 MSL TO 1464 MSL.
15. ADDED PBN REQUIREMENT NOTE RNP AR APCH - GPS AND DELETED CHART NOTE RF AND GPS REQUIRED - IAW 8260.19, PARA 8-6-8.
16. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -9C (16F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -8°C OR ABOVE 54°C" - IAW 8260.19, PARA 8-6-9 R.
17. ADDED CHART SPEED ICON IN PLANVIEW AT DARIC: MAX 180 KIAS AND DELETED CHART SPEED ICON IN PLANVIEW AT GREYZ: MAX 200 KIAS - PROCEDURE DESIGN REQUIREMENT AND REDUCE RF TURN RADIUS.
18. UPDATED ADDITIONAL FLIGHT DATA NOTE FROM "CHART: 596 MOMUMENT 385322N/0770207W" TO "595 MONUMENT 385322N/0770207W" - UPDATED SURVEY DATA.
19. DELETED FROM ADDITIONAL FLIGHT DATA: ROUTE TYPE DESCRIPTION: A, H, APPROACH ROUTE QUALIFIER 2: S, APPROACH ROUTE QUALIFIER 1: F AND #TCH 62.0 MSL (DO NOT CHART) - NOT REQUIRED.
20. UPDATED VISIBILITY MINIMUMS FOR RNP 0.11 FROM "1-1/2 SM" ALL CATS TO "RVR 6000" ALL CATS AND RNP 0.30 FROM "1-3/4 SM" ALL CATS TO "1 1/2 SM" ALL CATS - IAW 8260.3 TABLE 3-3-1.
21. CHANGED PROCEDURE NAME FROM "RNAV (RNP) RWY 19" TO "RNAV (RNP) Z RWY 19 - IAW 8260.3, PARA 1-6-2 D.

05/22/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/08/2024.
CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO HARD DATE OF 07/11/2024.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZDC, POTOMAC APP CON, KDCA ATCT, ARPT MGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
ERIC N SUSKI
May 31, 2024

OFFICE

DATE

DEVELOPED BY

FRANK JACKSON JR

Digitally signed by
FRANK JACKSON
Feb 22, 2024

OFFICE

AJV-A431

DATE

01/08/2024

APPROVED BY

BEV L BORDY

Digitally signed by
ERIC N SUSKI
Mar 04, 2024

OFFICE

AJV-A430

DATE

TITLE
MANAGER

