# 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.

AIRPORT ID IAD AIRPORT ELEVATION 312 FACILITY RNAV	PROCED RNAV (RNI <u>TDZE</u> 272 <u>COORDINATE</u>					<u>CITY</u> WASHINGTO I <u>T DATED</u> 03/08/2012 RED EFFECTIVE DATE ROUTINE		STATE DC EPOCH YEAR 2000 /SUSPEND	
TERMINAL ROUTES	THIS IS	A CORRECTED COPY OF	A PROCEDUR	E ORIGIN	ALLY F	PUBLIS	HED IN TL 24-10.		
FROM	FIX TYPE	<u>T0</u>	FIX TYPE	LEG TYPE	FO/FB	<u>RNP</u>	COURSE	DISTANCE	ALTITUDE
NOOXX	IAF	CRLET		TF	FB	1.00	190.65	3.92	8000
CRLET		COWRR		TF	FB	1.00	190.66	3.73	7000
COWRR		COVUL		TF	FB	1.00	190.65	3.09	6000
COVUL	IAF	CHDMN		TF	FB	1.00	190.67	3.45	5000
CHDMN		CUTZZ		TF	FB	1.00	190.63	3.05	4000
CUTZZ	IAF	CRAKL		TF	FB	1.00	190.65	3.27	3000
LOGOW	IAF	PATWY		TF	FB	1.00	095.19	7.84	6000
PATWY		BULGR		TF	FB	1.00	097.89	2.67	6000
BULGR		COVUL		TF	FB	1.00	162.80	2.87	6000
DUBBV	IAF	HUGGZ		TF	FB	1.00	101.90	4.50	5000
HUGGZ		NOGGL		TF	FB	1.00	108.57	3.50	4000
NOGGL		CUTZZ		TF	FB	1.00	150.50	5.20	4000
CRAKL	IF	CLARZ		TF	FB	1.00	190.65	3.14	2000
CLARZ		FEMKO	PFAF	TF	FB	1.00	190.66	1.58	1500
FEMKO	PFAF	RW19C	MAP	TF	FO	0.30	190.65	3.70	
RW19C	MAP	554 MSL		CA			190.65		
554 MSL		MOOOV		DF	FO	1.00			3000

## MISSED APPROACH

MAP:

RNP: DA

#### **MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT MOOOV AND HOLD.

### ALTERNATE MISSED APPROACH INSTRUCTIONS:



AIRPORT ID IAD	PROCEDURE NAME RNAV (RNP) Z RWY 19C	ORIGINAL/AMENDMENT 1	<u>CITY</u> WASHINGTON	STATE DC
PROFILE:				
1. PT SIDE OF COURSE	OUTBOUND	FT WITHIN MILES OF	(IAF)	
2. PROFILE STARTS AT NOOXX				
<b>3. FAC:</b> 190.65	PFAF: FEMKO	DIST PFAF TO MAP:	DIST PFAF TO THLD:	
4. MIN ALT: NOOXX 9000, CRLET 8	3000, COWRR 7000, COVUL 6000, CHDMN	I 5000, CUTZZ 4000, CRAKL 3000, CLARZ 2000	0, FEMKO 1500	
5. DIST TO THLD FROM OM:	MM: IM:	150 HAT: 282 HAT:	0.73 <b>GS ANT:</b>	
6. MIN GP INCPT: 1500 GP	ALT AT PFAF: FEMKO 1500	OM:	MM: IM:	
7. GP ANGLE: 3.00	34:1: IS CLEAR 20:1: IS CL	EAR <b>TCH:</b> 54.0		
8. MSA FROM: RW19C 3500				
PBN REQUIREMENTS NOTE:				

RNP AR APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13°C OR ABOVE 54°C. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 4500, AND RNP 0.25 VISIBILITY ALL CATS TO RVR 5500. CHART SPEED ICON IN PLANVIEW AT BULGR: MAX 210 KIAS.

### ADDITIONAL FLIGHT DATA:

HOLD N, RT, 187.14 INBOUND. CHART AT OR ABOVE 9000 AT NOOXX. CHART AT OR ABOVE 6000 AT LOGOW. CHART AT OR ABOVE 5000 AT DUBBV.

#### MINIMUMS:

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

ALTERNATE: NA STANDARD

CATEGORY:		Α			В			С			D			Е	
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
	AUTHORIZATION REQUIRED														
RNP 0.11 DA	554	2400	282	554	2400	282	554	2400	282	554	2400	282			
RNP 0.25 DA	624	3000	352	624	3000	352	624	3000	352	624	3000	352			
RNP 0.30 DA	702	4000	430	702	4000	430	702	4000	430	702	4000	430			

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
IAD	RNAV (RNP) Z RWY 19C	1	WASHINGTON	DC
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CHANGES - REASONS				
	ETED LEGS SHNON TO CRVER, DRUZZ TO CRVER TC/FPT REQUESTED COMPLETE REBUILD OF TER	, CRVER TO DIMKE, MULRR TO DIMKE, DIMKE TO BOYD	S, TRING TO BGBRO, BGBRO TO BO	DYDS, BOYDS TO
2. TERMINAL ROUTES - ADD	ED LEGS NOOXX TO CRLET, CRLET TO COWRR, C	OWRE TO COVUL, COVUL TO CHDMN, CHDMN TO CUT. NOGGL, NOGGL TO CUTZZ, CLARZ TO FEMKO - ATC/FP		
ROUTES	50EGK 10 6000E, 50550 10 110662, 110662 10	NOODE, NOODE TO COTZE, CEAKE TO TEINKO - ATO/TT		
4. MISSED APPROACH INSTR	RUCTIONS CHANGED FROM "CLIMB TO 4000 VIA TH	ROM 3.65 TO 3.70 – FEMKO FIX MOVED TO ALIGN WITH I RACK 190.65 TO BOPAC AND VIA TRACK 265.33 TO BLUE		
	D COMPLETE REBUILD OF MISSED			
	E STARTS CHANGED FROM BOYDS TO NOOXX - A1 PFAF FEMKO – IAW 8260.19I 8-6-7	IC/FPT REQUESTED COMPLETE REBUILD		
		NOOXX 9000, CRLET 8000, COWRR 7000, COVUL 6000, C	HDMN 5000, CUTZZ 4000, CRAKL 30	00, CLARZ 2000,
	UESTED COMPLETE REBUILD			
	ED DIST FROM OM 3.66 AND ADDED "282 HAT: 0.73 20:1 IS CLEAR - IAW 8260.19 8-6-7.G.	" – IAW 8260.19I 8-6-7		
		REQUIREMENTS NOTE: "RNP AR APCH – GPS" – IAW FAA	AO 8260.19I PARAGRAPH 8-6-8.B.(2)	
		TEMS, PROCEDURE NA BELOW -14°C (6°F) OR ABOVE 4	↓7°C (117°F)" TO "FOR UNCOMPEŇŚ	ATED BARO-VNAV
	BELOW -13°C OR ABOVE 54°C" - IAW 8260-58B, 3-3- SPEED ICON IN PLANVIEW AT BULGR: MAX 210 KI/			
		OUS APPROACH AUTHORIZED WITH ILS OR LOC/DME R	WY 191 ILS RWY 191 (CAT II)" TO "9	
APPROACH AUTHORIZED" - 8	3260.19I. PARA 8-6-11.O.(8).(A).			
	: "USE OF FD OR AP PRÒVIÌIŃG RNAV TRACK GUII	DANCE REQUIRED DURING SIMULTANEOUS OPERATIO	NS" – NO LONGER REQUIRED PER	8260.19I, PARA 8-6-
		1 INBOUND" TO "HOLD N. RT. 187.14 INBOUND" - ATC/FF		
FIX	A - CHANGED HOLDING FROM HOLD W, RT, 070.2	TINBOUND TO HOLD N, RT, 187.14 INBOUND - ATC/FP	TREQUESTED MOVING MISSED H	
16. ADDITIONAL FLIGHT DAT	A – FAS OBSTACLE 430 TWR 385914N/0772651W R			
		, 6000 AT LOGOW, 5000 AT DUBBV,— ATC/FPT REQUES	ITED	
	IP 0.25 TO MINIMUMS – ATC/FPT REQUESTED R RNP 0.30 FROM ALL CATS 740/6000/468 TO 702/4			
		ITY ALL CATS TO RVR 4500. AND RNP 0.25 VISIBILITY AL	L CATS TO RVR 5500" - 8260.19I 8-6	5-11.D
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03/22/2024: THIS IS A CORR	ECTED COPY OF THE FORM APPROVED ON 02/22	/2024.		
		TO VOSLAND DNAV CUDEDATH NOT CONCIDENT		

CHANGED PROFILE NOTE "VGSI AND DESCENT ANGLES NOT COINCIDENT... TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT...

# COORDINATED WITH:

A4A X ALPA X AOPA	X APA X HAI NBAA X OTHER:	POTOMAC TRACON, APT MGR		
FLIGHT CHECKED BY ANTHONY D VALLERA	Digitally signed by <b>CASIMIR L TABAKA</b> Mar 08, 2024	OFFICE FPO	<b>DATE</b> 03/07/2024	
DEVELOPED BY JOSEPH BLANCO	<i>Digitally signed by</i> <b>JOSEPH A BLANCO</b> Feb 20, 2024	OFFICE AJV-A432	<b>DATE</b> 10/26/2023	
APPROVED BY BEV L BORDY	<i>Digitally signed by</i> <b>CASIMIR L TABAKA</b> Feb 22, 2024	OFFICE AJV-A430	DATE	<u>TITLE</u> MANAGER