

**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> IAD	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 1C	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WASHINGTON	<u>STATE</u> DC
<u>AIRPORT ELEVATION</u> 312	<u>TDZE</u> 286	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 1C	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 10W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1D	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2000
	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024		<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MUDDO	IAF	MRTZY		TF	FB	1.00	010.65	4.90	8000
MRTZY		MOKRR		TF	FB	1.00	010.64	3.70	7000
MOKRR		MAYFR		TF	FB	1.00	010.65	3.10	6000
MAYFR	IAF	MODLL		TF	FB	1.00	010.65	3.74	5000
MODLL		MOOOV		TF	FB	1.00	010.65	3.13	4000
MOOOV	IAF	MATAZ		TF	FB	1.00	010.65	3.29	3000
HUFFF	IAF	JMATZ		TF	FB	1.00	098.32	8.86	6000
JMATZ		LAWWS		TF	FB	1.00	089.53	5.62	6000
LAWWS		MAYFR		TF	FB	1.00	067.12	3.65	6000
GNATZ	IAF	GRASK		TF	FB	1.00	098.62	7.41	5000
GRASK		LAZER		TF	FB	1.00	086.40	5.30	4000
LAZER		MOOOV		TF	FB	1.00	055.70	6.03	4000
MATAZ	IF	MEEST		TF	FB	1.00	010.65	3.14	2000
MEEST		SKINS	PFAF	TF	FB	1.00	010.65	1.46	1800
SKINS	FAF	RW01C	MAP	TF	FO	0.30	010.65	4.58	
RW01C	MAP	486 MSL		CA					
486 MSL		CHDMN		DF	FO	1.00			4000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01C

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT CHDMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT MUDDO					
3.	FAC:	010.65	FAF:	SKINS	DIST FAF TO MAP:	4.58
4.	MIN ALT:	MUDDO 9000, MRTZY 8000, MOKRR 7000, MAYFR 6000, MODLL 5000, MOOOV 4000, MATAZ 3000, MEEST 2000, SKINS 1800				
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT:	0.46
6.	MIN GP INCPT:	1800	GP ALT AT PFAF:	SKINS 1800	OM:	GS ANT:
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR
8.	MSA FROM:	RW01C 3500				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM. INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 191.73 INBOUND.
CHART FAS OBST: 640 CONTROL_TOWER (51-002134) 385621N/0772655W.
CHART R-6608A/B/C.
CHART VDP AT 1.70 NM TO RW01C.
WAAS CHANNEL # 97509
REFERENCE PATH ID: W01B
CHART AT OR ABOVE 9000 AT MUDDO.
CHART AT OR ABOVE 6000 AT HUFFF.
CHART AT OR ABOVE 5000 AT GNATZ.
LTP HAE: 55.3 M



MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: NA ☐ STANDARD; STANDARD - CAT D 900-2 3/4

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	486	1800	200	486	1800	200	486	1800	200	486	1800	200			
LNAV/VNAV DA	801	5500	515	801	5500	515	801	5500	515	801	5500	515			
LNAV MDA	900	2400	614	900	2400	614	900	1 3/8	614	900	1 3/8	614			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	1180	2 3/4	868			



CHANGES - REASONS

1. UPDATED 8260 FORMS TO NEW REPORT FORMATTING – PER CURRENT AUTOMATION.
2. TERMINAL ROUTES REMOVED “GILBY TO KIESS, BARIN TO ERACE, KIESS TO ERACE, ERACE TO CARRY, AND CARRY TO SKINS” – NEW PROCEDURE DESIGN PER ATC REQUEST.
3. TERMINAL ROUTES ADDED “MUDDO TO MRTZY, MRTZY TO MOKRR, MOKRR TO MAYFR, MAYFR TO MODLL, MODLL TO MOOOV, MOOOV TO MATAZ, HUFFF TO JMATZ, JMATZ TO LAWWS, LAWWS TO MAYFR, GNATZ TO GRASK, GRASK TO LAZER, LAZER TO MOOOV, MATAZ TO MEEST, MEEST TO SKINS, SKINS TO RW01C, RW01C TO 486 MSL, 486 MSL TO CHDMN” – NEW PROCEDURE DESIGN PER ATC REQUEST.
4. FIX SKINS MOVED 53.38FT SOUTH – NEW PROCEDURE DESIGN TCH OF 54.2 FT.
5. PROFILE SECTION LINE 1 CHANGED FROM “NA” TO “BLANK”. – IAW 8260.19I.
6. PROFILE SECTION LINE 2 CHANGED FROM “PROFILE STARTS AT ERACE” TO “PROFILE STARTS AT MUDDO.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
7. PROFILE SECTION LINE 3 DIST FAF TO MAP/THLD CHANGED FROM “6.05/6.05” TO “4.58/4.58” RESPECTIVELY. – NEW PROCEDURE DESIGN PER ATC REQUEST.
8. PROFILE SECTION LINE 4 CHANGED FROM “ERACE 4000, CARRY 2900, SKINS 2300” TO “MUDDO 9000, MRTZY 8000, MOKRR 7000, MAYFR 6000, MODLL 5000, MOOOV 4000, MATAZ 3000, MEEST 2000, SKINS 1800”. – NEW PROCEDURE DESIGN PER ATC REQUEST.
9. PROFILE SECTION LINE 5 ADDED DIST TO THLD FROM “200 HAT 0.46”. – IAW 8260.19I.
10. PROFILE SETCION LINE 6 CHANGED MIN GS INTCPT FROM “2300” TO “1800” AND GS ALT AT FROM “SKINS 2300” TO “SKINS 1800”. – NEW PROCEDURE DESIGN AND ALTITUDE PER ATC REQUEST.
11. PROFILE SECTION LINE 7 CHANGED TCH FROM “54.0” TO “54.2” AND ADDED 20:1 “IS CLEAR”. – NEW DESIGN TCH PER AIRNAV DATA AND IAW 8260.19I.
12. PROFILE SECTION LINE 8 CHANGED MSA ALTITUDE FROM “3400” TO “3500”. – PER CURRENT EVALUATION.
13. MINIMUMS SECTION ALTERNATE MINIMUMS CHANGED FROM “STANDARD” TO “STANDARD – CAT D 900-2 3/4”. – PER CURRENT EVALUATION.
14. MINIMUMS SECTION LPV ALL CATS VISIBILITY CHANGED FROM “2400” TO “1800”. – PER CURRENT EVALUATION.
15. MINIMUMS SECTION LNAV/VNAV ALL CATS VISIBILITY CHANGED FROM RVR “6000” TO RVR “5500”. – PER CURRENT EVALUATION.
16. MINIMUMS SECTION LNAV CAT C VISIBILITY CHANGED FROM “6000” TO “1 3/8” AND CAT D VISIBILITY CHANGED FROM “1 1/2” TO “1 3/8”. – PER CURRENT EVALUATION.
17. MINIMUMS SECTION CIRCLING CAT D MDA/VIS/HAA CHANGED FROM “1060/2 1/2/747” TO “1180/2 3/4/868”. – PER CURRENT EVALUATION.
18. MISSED APPROACH SECTION CHANGED FROM “CLIMB TO 3000 DIRECT BOYDS AND HOLD.” TO “CLIMB TO 4000 DIRECT CHDMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
19. ADDITIONAL FLIGHT DATA SECTION CHANGED HOLDING FROM “HOLD N, RT, 190.65 INBOUND.” TO “HOLD N, RT, 191.73 INBOUND.” – NEW PROCEDURE DESIGN PER ATC REQUEST.
20. ADDITIONAL FLIGHT DATA SECTION REMOVED “CHART FAS OBST: 348 TREE 385609N/0772817W” – PER CURRENT EVALUATION.
21. ADDITIONAL FLIGHT DATA SECTION CHANGED AIRSPACE CHART NOTES FROM “CHART R-6608” TO “CHART R-6608A/B/C.” – IAW 8260.19I AND SECTIONAL CHART.
22. ADDITIONAL FLIGHT DATA SECTION DELETED “DISTANCE TO THLD FROM 200 HAT: 0.46 NM.” – NO LONGER REQUIRED IAW 8260.19I.
23. ADDITIONAL FLIGHT DATA SECTION CHANGED VDP NOTE FROM “CHART VDP AT 1.71 MILES TO RW01C* *LNAV ONLY.” TO “CHART VDP AT 1.70 NM TO RW01C.” – PER CURRENT EVALUATION AND IAW 8260.19I.
24. ADDITIONAL FLIGHT DATA SECTION ADDED “CHART AT OR ABOVE 9000 AT MUDDO.” AND “CHART AT OR ABOVE 6000 AT HUFFF.” AND “CHART AT OR ABOVE 5000 AT GNATZ.” – NEW PROCEDURE DESIGN AND PER ATC REQUEST.
25. NOTES SECTION CHANGED UNCOMPENSATED NOTE FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13°C OR ABOVE 54°C.” - PER CURRENT EVALUATION, NEW 5 YEAR ACT CALCULATION, AND IAW 8260.19I.
26. PBN REQUIREMENTS NOTE SECTION CHANGED NOTE FROM “RNP APCH” TO “RNP APCH – GPS.” – IAW 8260.19I.
27. NOTES SECTION DELETED “CHART NOTE: DME/DME RNP-0.3 NA.” –IAW 8260.19I.
28. NOTES SECTION UPDATED NOTE FROM “CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.” TO “VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).” – IAW 8260.19I.
29. NOTES SECTION UPDATED SIMULTANEOUS NOTE FROM “CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC/DME RWY 1L, ILS RWY 1L CAT (II), ILS RWY 1L CAT (III), ILS OR LOC RWY 1R, ILS RWY 1R CAT (II), ILS RWY 1R CAT(III).” TO “CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.” – IAW 8260.19I.
30. NOTES SECTION UPDATED NOTE FROM “USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.” TO “CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.” – IAW 8260.19I.
31. NOTES SECTION REMOVED NOTE “***RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.” – IAW 8260.19I.
32. NOTES SECTION ADDED NOTE “FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM. INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM.” – PER CURRENT EVALUATION AND IAW 8260.19I.
33. FAS DATA BLOCK LTP/FTP LAT/LONG CHANGED FROM “385620.6400N/0772735.2100W” TO “385620.6385N/0772735.1990W” – CURRENT AIRNAV DATA.
34. FAS DATA BLOCK SECTION CHANGED LTP/FTP ELLIPSOIDAL HEIGHT FROM “+00554” TO “+00553” – PER CURRENT EVALUATION/DATA.
35. FAS DATA BLOCK SECTION CHANGED FPAP LAT/LONG FROM “385814.8000N/0772733.5500W” TO “385814.3080N/0772733.5450W” – PER CURRENT EVALUATION/DATA.
36. FAS DATA BLOCK SECTION CHANGED TCH FROM “00054.0” TO “00054.2” – NEW DESIGN TCH USED.
37. FAS DATA BLOCK SECTION COURSE WIDTH AT THRESHOLD CHANGED FROM “106.50” TO “106.75” – PER CURRENT EVALUATION/DATA.
38. FAS DATA BLOCK SECTION LENGTH OFFSET CHANGED FROM “0016” TO “0000” – PER CURRENT EVALUATION.
39. FAS DATA BLOCK SECTION CRC REMAINDER CHANGED FROM “536891A6” TO “135DA309” – PER CURRENT EVALUATION/DATA.
40. FAS DATA BLOCK SECTION CHANGED LTP/FPAP ORTHOMETRIC HEIGHTS FROM “+00873” TO “+00872” – PER CURRENT EVALUATION/DATA.



COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

PCT APCH, LAD ATCT, APT MGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by

ALLAN WILL

Mar 08, 2024

OFFICE

FPO

DATE

03/07/2024

Digitally signed by

RAKE MCGRRAW

Feb 07, 2024

OFFICE

AJV-A422

DATE

11/24/2023

APPROVED BY

RAKE MCGRRAW

Digitally signed by

ALLAN WILL

Mar 08, 2024

OFFICE

AJV-A422

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KIAD
RW01C
0
Y
0
W01B
385620.6385N
0772735.1990W
+00553
385814.3080N
0772733.5450W
00054.2
F
03.00
106.75
0000
40.0
35.0

CRC REMAINDER

135DA309

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00872
+00872

