

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
IAD	RNAV (GPS) Y RWY 19L	3	WASHINGTON	DC		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
312	302	RNAV (GPS) Y RWY 19L	2C	07/15/2021	10W	2000
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		16 MAY 2024	ROUTINE			

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>
LOGOW	IAF	PATWY		TF	FB	1.00	095.19	7.84	6000
PATWY		HOSTT		TF	FB	1.00	097.33	3.67	6000
HOSTT		FORKL		TF	FB	1.00	161.79	3.00	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		TOOPR		TF	FB	1.00	142.48	5.98	4000
LEMIU	IAF	LEFVR		TF	FB	1.00	190.68	3.73	6000
LEFVR		FORKL		TF	FB	1.00	190.67	3.20	6000
FORKL	IAF	THRET		TF	FB	1.00	190.65	3.45	5000
THRET		TOOPR		TF	FB	1.00	190.69	3.06	4000
TOOPR	IAF	LEFFY		TF	FB	1.00	190.67	3.28	3000
LEFFY	IF	LOOOT		TF	FB	1.00	190.67	3.20	2000
LOOOT		DOMSE		TF	FB	1.00	190.66	2.48	1500
DOMSE	FAF	RW19L	MAP	TF	FO	0.30	190.67	3.62	
RW19L	MAP	800 MSL		CA			190.67		800
800 MSL		ASPER		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW19L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT ASPER AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
35
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT LEMIU														
3.	FAC:	190.67	FAF:	DOMSE	DIST FAF TO MAP:	3.62	DIST FAF TO THLD:	3.62							
4.	MIN ALT:	LEMIU 7000, LEFVR 6000, FORKL 6000, THRET 5000, TOOPR 4000, LEFFY 3000, LOOOT 2000, DOMSE 1500													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.48	GS ANT:				
6.	MIN GP INCPT:	1500	GP ALT AT PFAF:	DOMSE 1500			OM:				MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.3							
8.	MSA FROM:	RW19L 3500													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13°C OR ABOVE 54°C.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART SPEED ICON IN PLANVIEW AT HOSTT: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 220.00 INBOUND.
CHART FAS OBST: 498 BUILDING (51-020635) 385733N/0772528W.
540 AAO 390107N/0772444W.
CHART VDP AT 1.23 NM TO RW19L.
WAAS CHANNEL # 58105
REFERENCE PATH ID: W19A
CHART AT OR ABOVE 6000 AT LOGOW.
CHART AT OR ABOVE 5000 AT DUBBV.
CHART AT OR ABOVE 7000 AT LEMIU.
LTP HAE: 57.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ 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*	502	2400	200	502	2400	200	502	2400	200	502	2400	200			
LNAV/VNAV DA	760	4500	458	760	4500	458	760	4500	458	760	4500	458			
LNAV MDA	760	2400	458	760	2400	458	760	4500	458	760	4500	458			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	1180	2 3/4	868			



CHANGES - REASONS

1. FIELD ELEVATION CHANGED FROM 313 TO 312. – NEW SURVEY/DATA PULL.
2. THIS AMENDMENT IS A COMPLETE REDESIGN WITH THE ONLY REMAINING FIX BEING THE FAF DOMES. INITIAL YYANG TO IZUMI, INTERMEDIATE IZUMI TO DOMES HAVE BEEN REMOVED AND REPLACED. SEE TERMINAL ROUTES FOR NEW ROUTING. – FPT/ATC REDESIGN.
3. FEEDERS SHNON, DRUZZ, CRVER, AND MULRR HAVE BEEN REMOVED AND WILL NOT BE REPLACED. – FPT/ATC REDESIGN.
4. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMB TO 2000 DIRECT WAXIN AND HOLD TO CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT ASPER AND HOLD. – FPT/ATC REDESIGN.
5. PBN REQUIREMENT NOTE CHANGED FROM RNP APCH TO RNP APCH-GPS. – 8260.19I COMPLIANCE.
6. NOTE CHANGED FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 48°C. TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13°C OR ABOVE 54°C. – NEW FIVE YEAR TEMPERATURE HISTORY.
7. NOTE DELETED: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC/DME RWY 19R, ILS RWY 19R CAT (II), ILS RWY 19R CAT (III). – 8260.19I COMPLIANCE.
8. NOTE DELETED: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS. – 8260.19I/7110.803 COMPLIANCE.
9. NOTE ADDED: SIMULTANEOUS APPROACH AUTHORIZED. – 8260.19I COMPLIANCE.
10. NOTE CHANGED FROM ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA TO * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. – SINGLE SPLAT LNAV ONLY REMOVED/8260.19I COMPLIANCE.
11. PROFILE LINE 2 CHANGED FROM FPRFILE STARTS AT IZUMI TO PROFILE STARTS AT LEMIU. – FPT/ATC REDESIGN.
12. PROFILE LINE 3 CHANGED DIST FAF TO MAP: 4.20, THLD: 4.20 TO 3.62, 3.62. – ACCOMMODATE LOWER FAF ALTITUDE.
13. PROFILE LINE 4 CHANGED FROM IZUMI 3000, DOMES 1400 TO PATWY 6000, LEFVR 6000, FORKL 6000, THRET 5000, TOOPR 4000, LEFFY 3000, LOOOT 2000, DOMSE 1500. – FPR/ATC REDESIGN.
14. PROFILE LINE 5 ADDED 200 HAT: 0.48. – 8260.19I COMPLIANCE.
15. PROFILE LINE 6 CHANGED FROM 1700, DOMSE TO 1500 DOMSE 1500. – 8260.19I COMPLIANCE.
16. PROFILE LINE 7 ADDED 20:1 IS CLEAR. – 8260.19I COMPLIANCE.
17. PROFILE LINE 8 MSA CHANGED FROM 3400 TO 3500. – NEW CONTROLLING OBSTACLE.
18. ADDITIONAL FLIGHT DATA FAS OBST CHANGED FROM 510 TANK 390000N/0772459W TO 498 BUILDING (51-020635) 385733N/0772528W. – NEW CONTROLLING OBSTACLE.
19. ADDITIONAL FLIGHT DATA 7:1 OBSTACLE ADDED. - 540 AAO 390107N/0772444W. – NEW EVALUATION.
20. ADDITIONAL FLIGHT DATA DISTANCE TO THLD FROM 200 HAT: 0.48 REMOVED. – CONTAINED IN PROFILE LINE 5.
21. ADDITIONAL FLIGHT DATA CHART VDP AT 1.42 MILES TO RW19L *LNAV ONLY TO CHART VDP AT 1.23 NM TO RW19L. – LOWER MDA/SPLAT NO LONGER USED TO INDICATE LNAV ONLY 8260.19I COMPLIANCE.
22. ADDITIONAL FLIGHT DATA HOLDING CHANGED FROM HOLD S, LT, 010.67 INBOUND TO HOLD NE, RT 222.00 INBOUND. – NEW HOLDING LOCATION.
23. ADDITIONAL FLIGHT DATA ADDED: CHART AT OR ABOVE 6000 AT LOGOW. - FPT/ATC REDESIGN/8260.19I COMPLIANCE.
24. ADDITIONAL FLIGHT DATA ADDED: CHART AT OR ABOVE 5000 AT DUBBV. - FPT/ATC REDESIGN/8260.19I COMPLIANCE.
25. ADDITIONAL FLIGHT DATA ADDED: CHART AT OR ABOVE 7000 AT LEMIU. - FPT/ATC REDESIGN/8260.19I COMPLIANCE.
26. ALTERNATE MINIMUMS CHANGED FROM STANDARD EXCEPT CAT D 800 – 2 1/2. TO 900 – 2 3/4 – NEW MINIMUMS.
27. MINIMUMS LPV DA SPLAT SPLAT CHANGED TO LPV DA SPLAT. - SINGLE SPLAT LNAV ONLY REMOVED/8260.19I COMPLIANCE.
28. MINIMUMS LNAV/VNAV DA/VIS/HAT ALL CATS CHANGED FROM 829/6000/527 TO 760/4500/458. – NEW CONTROLLING OBSTACLE.
29. MINIMUMS CIRCLING CATS A/C/D HAA CHANGED FROM 627 TO 628. – NEW FIELD ELEVATION.
30. MINIMUMS CIRCLING CAT D MDA/VIS/HAA CHANGED FROM 1060/2 1/2 /747 TO 1180/ 2 3/4 / 868. – CANCEL T-NOTAM 3/1790.
31. FAS DATA LTP LAT/LONG CHANGED FROM 385719.1800N/0772609.5300W TO 385719.1865N/0772609.5058W. – NEW SURVEY
32. FAS DATA FPAP LAT/LONG CHANGED FROM 385521.6900N/0772611.2900W TO 385525.5270N/0772611.2130W. – NEW SURVEY.
33. FAS DATA CRC REMAINDER CHANGED FROM 3CE2E809 TO 097494C9. – NEW FPAP COORDINATES.
34. ADDITIONAL FLIGHT DATA REMOVED FAS OBSTACLE 498 ANT ON BLDG. 385733N/0772528W. - NO LONGER DOCUMENT LNAV/VNAV FAS OBSTACLE.
35. ADDED CHART SPEED ICON IN PLANVIEW AT HOSTT: MAX 210 KIAS. - NEW REDESIGN.
36. ADDED CHART NOTE USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS. - 80260.19I COMPLIANCE.
37. LNAV MINIMUMS CHANGED MDA/VIS/HAT FROM 820/2400/518 TO 760/2400/458. - NEW CONTROLLING OBSTACLE.



COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

PCT APP CON, IAD ATCT, AIRPORT MGR, VA DOT

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by
CASIMIR L TABAKA
Mar 08, 2024

OFFICE

FPO

DATE

03/07/2024

DEVELOPED BY

JOHN KEEFER

Digitally signed by
JOHN A KEEFER
Jan 29, 2024

OFFICE

AJV-A432

DATE

12/06/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Feb 06, 2024

OFFICE

AJV-A430

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
RW19L
0
Y
0
W19A
385719.1865N
0772609.5085W
+00574
385525.5270N
0772611.2130W
00055.3
F
03.00
106.75
0000
40.0
35.0

CRC REMAINDER

097494C9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00893
+00893

