

**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.

<b>AIRPORT ID</b> IAD	<b>PROCEDURE NAME</b> RNAV (GPS) Y RWY 1R	<b>ORIGINAL/AMENDMENT</b> 2A	<b>CITY</b> WASHINGTON	<b>STATE</b> DC
<b>AIRPORT ELEVATION</b> 312	<b>TDZE</b> 312	<b>SUPERSEDED</b> RNAV (GPS) Y RWY 1R	<b>DATED</b> 05/16/2024	<b>MAG VAR</b> 10W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 17 APRIL 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2000
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EEERS	IAF	ELLLA		TF	FB	1.00	010.66	3.71	7000
ELLLA		FAWLR		TF	FB	1.00	010.66	3.10	6000
FAWLR	IAF	TREAA		TF	FB	1.00	010.67	3.76	5000
TREAA		TWOOT		TF	FB	1.00	010.66	3.11	4000
TWOOT	IAF	ESTYN		TF	FB	1.00	010.67	3.29	3000
HELMZ	IAF	GRASK		TF	FB	1.00	098.62	7.41	5000
GRASK		LAZER		TF	FB	1.00	086.40	5.30	4000
LAZER		TWOOT		TF	FB	1.00	062.15	6.86	4000
HUFFF	IAF	JMATZ		TF	FB	1.00	098.32	8.86	6000
JMATZ		LAWWS		TF	FB	1.00	089.53	5.62	6000
LAWWS		FAWLR		TF	FB	1.00	074.56	4.62	6000
ESTYN	IF	EDSCO		TF	FB	1.00	010.67	3.15	2000
EDSCO		WAXIN	PFAF	TF	FB	1.00	010.66	1.57	1500
WAXIN	FAF	RW01R	MAP	TF	FO	0.30	010.67	3.56	
RW01R	MAP	780 MSL		CA					780
780 MSL		JCOBY		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW01R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 780, THEN CLIMBING RIGHT TURN TO 3000 DIRECT JCOBY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- |              |   |                                   |                              |                          |                      |                |  |            |  |
|--------------|---|-----------------------------------|------------------------------|--------------------------|----------------------|----------------|--|------------|--|
| 1. <b>PT</b> | <b>SIDE OF COURSE</b>   | <b>OUTBOUND</b>                   | <b>FT WITHIN</b>             | <b>MILES OF</b>          | (IAF)                |                |  |            |  |
| 2.           | PROFILE STARTS AT EERRS   |                                   |                              |                          |                      |                |  |            |  |
| 3.           | <b>FAC:</b> 010.67  | <b>FAF:</b> WAXIN                 | <b>DIST FAF TO MAP:</b> 3.56 | <b>DIST FAF TO THLD:</b> | 3.56                 |                |  |            |  |
| 4.           | <b>MIN ALT:</b> EERRS 7000, ELLLA 7000, FAWLR 6000, TREA 5000, TROOT 4000, ESTYN 3000, EDSCO 2000, WAXIN 1500 |                                   |                              |                          |                      |                |  |            |  |
| 5.           | <b>DIST TO THLD FROM OM:</b>  | <b>MM:</b>                        | <b>IM:</b>                   | <b>150 HAT:</b>          | <b>200 HAT:</b> 0.46 | <b>GS ANT:</b> |  |            |  |
| 6.           | <b>MIN GP INCPT:</b> 1500   | <b>GP ALT AT PFAF:</b> WAXIN 1500 |                              | <b>OM:</b>               |                      | <b>MM:</b>     |  | <b>IM:</b> |  |
| 7.           | <b>GP ANGLE:</b> 3.00   | <b>34:1:</b> IS CLEAR             | <b>20:1:</b> IS CLEAR        | <b>TCH:</b> 55.2         |                      |                |  |            |  |
| 8.           | <b>MSA FROM:</b> RW01R 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: SIMULTANEOUS APPROACH AUTHORIZED.  
 CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
 CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000 AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD W, LT, 096.17 INBOUND.  
 CHART FAS OBST: 514 BUILDING (51-020315) 385502N/0772539W.  
 CHART R-6608A/B/C.  
 CHART VDP AT 1.24 NM TO RW01R.  
 WAAS CHANNEL # 56409  
 REFERENCE PATH ID: W01A  
 CHART AT OR ABOVE 7000 AT EERRS.  
 CHART AT OR ABOVE 5000 AT HELMZ.  
 CHART AT OR ABOVE 6000 AT HUFFF.  
 LTP HAE: 63.1 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												
LPV DA	512	1800	200	512	1800	200	512	1800	200	512	1800	200				
LNAV/VNAV DA	728	4000	416	728	4000	416	728	4000	416	728	4000	416				
LNAV MDA	780	2400	468	780	2400	468	780	5000	468	780	5000	468				
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	1180	2 3/4	868				

**CHANGES - REASONS**

1. CHANGED ALL REFERENCES FROM FIX NAME GNATZ TO FIX NAME HELMZ - PER ATC REQUEST.
2. CHANGED ALL REFERENCES FROM FIX NAME ESPNN TO FIX NAME EERRS - PER ATC REQUEST.



**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** PCT APCH, LAD ATCT, AMGR, VA DOT

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE**

*Digitally signed by*

**ERIC N SUSKI**

Dec 13, 2024

**DATE**

**DEVELOPED BY**

PARNELL PRASSADA

*Digitally signed by*

**PARNELL R PRASSADA**

Sep 19, 2024

**OFFICE**

AJV-A431

**DATE**

09/13/2024

**APPROVED BY**

ERIC N SUSKI

*Digitally signed by*

**ERIC N SUSKI**

Dec 13, 2024

**OFFICE**

AJV-A431

**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  
RW01R  
0  
Y  
0  
W01A  
385525.5240N  
0772611.2130W  
+00631  
385719.1840N  
0772609.5085W  
00055.2  
F  
03.00  
106.75  
0000  
40.0  
35.0

**CRC REMAINDER**

BDE3BB86

**ADDITIONAL PATH POINT RECORD INFORMATION**

**ICAO CODE**  
**LTP ORTHOMETRIC HEIGHT**  
**FPAP ORTHOMETRIC HEIGHT**

K6  
+00950  
+00950

