

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 30	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WASHINGTON	<u>STATE</u> DC
<u>AIRPORT ELEVATION</u> 312	<u>TDZE</u> 288	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u> 10W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 2000
			<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
COINZ	IAF	LOFFT		TF	FB	1.00	012.62	11.89	4000
LOFFT	IF	FUDDY		TF	FB	1.00	012.97	6.94	2000
FUDDY		NOYZZ	PFAF	TF	FB	1.00	314.26	2.00	1400
NOYZZ	FAF	RW30	MAP	TF	FO	0.30	300.70	3.34	
RW30	MAP	712 MSL		CA			300.70		
712 MSL		HARPP		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LNAV/VNAV: DA
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT HARPP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT LOFFT
- FAC: 300.70 FAF: NOYZZ DIST FAF TO MAP: 3.34 DIST FAF TO THLD: 3.34
- MIN ALT: LOFFT 4000, FUDDY 2000, NOYZZ 1400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 513 HAT: 1.46 GS ANT: MM: IM:
- MIN GP INCPT: 1400 GP ALT AT PFAF: NOYZZ 1400 OM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 50.0
- MSA FROM: RW30 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 SPEED ICON IN PLANVIEW AT COINZ: AT 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 313.20 INBOUND.
CHART FAS OBST: 640 CONTROL_TOWER (51-002134) 385621N/0772655W.
CHART VDP AT 1.62 NM TO RW30.
CHART MANDATORY 6000 AT COINZ.

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
LNAV/VNAV DA	801	1 3/8	513	801	1 3/8	513	801	1 3/8	513	801	1 3/8	513			
LNAV MDA	900	5500	612	900	5500	612	900	1 3/4	612	900	1 3/4	612			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	1180	2 3/4	868			

CHANGES - REASONS

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: PCT APP CON, IAD ATCT, AMGR

FLIGHT CHECKED BY

GARY BELL

Digitally signed by
BEV L BORDY
May 09, 2024

OFFICE

FICO

DATE

4/30/2024

DEVELOPED BY

JOSHUA DUGAN

Digitally signed by
CASIMIR L TABAKA
Apr 08, 2024

OFFICE

AJV-A431

DATE

04/03/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by
CASIMIR L TABAKA
Apr 08, 2024

OFFICE

AJV-A431

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
IAD	RNAV (GPS) Y RWY 30	ORIG	WASHINGTON	DC	312	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM COINZ **TO** LOFFT

RNP 1.00 DISTANCE 11.89 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (51-001597)	384716.27N/0771946.37W	939	20	3	1A	1000				AT2061	4000
TERRAIN	384639.00N/0771933.00W	429 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM LOFFT **TO** FUDDY

RNP 1.00 DISTANCE 6.94 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (51-001597)	384716.27N/0771946.37W	939	20	3	1A	500				AT561	2000
TERRAIN	385112.00N/0772248.00W	564 (600)								AS1000	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

FUDDY

TO

NOYZZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	2.00				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	385248.00N/0772206.00W	706	215	8	4B	500					1300
TERRAIN	385312.00N/0772236.00W	482 (500)								AS900	1400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CONTROLLED AIRSPACE TO SURFACE.

FINAL: LNAV/VNAV

FROM

NOYZZ

TO

RW30

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	3.34		DA	513	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CONTROL_TOWER (51-002134)	385620.68N/0772655.19W	640	20	3	1A	161					801

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

NOYZZ

TO

RW30

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	3.34		RW30	612	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CONTROL_TOWER (51-002134)	385620.68N/0772655.19W	640	20	3	1A	250					900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

HARPP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30-1.00					640

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				5000
AAO	390942.00N/0774857.00W	1897	215	8	4B	1000					2900
TERRAIN	390942.00N/0774857.00W	1696 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV

FROM

RW30

TO

HARPP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											790
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				5000
AAO	390942.00N/0774857.00W	1897	215	8	4B	1000					2900
TERRAIN	390942.00N/0774857.00W	1696 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
CONTROL_TOWER (51-002134)	385620.68N/0772655.19W	1.30	628	640	20	3	1A	300			940
CATEGORY B											
CONTROL_TOWER (51-002134)	385620.68N/0772655.19W	1.82	628	640	20	3	1A	300			940
CATEGORY C											
CONTROL_TOWER (51-002134)	385620.68N/0772655.19W	2.85	628	640	20	3	1A	300			940
CATEGORY D											
BUILDING (51-090167)	385719.00N/0772145.50W	3.73	868	878	50	20	2C	300			1180

CIRCLING REMARKS:

MSA

CENTER

RW30

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	385724.00N/0780127.00W	283	26.6	2401	215	8	4B	1000			3500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

IAD TOWER, PCT APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	IAD	24	IAD	1.32	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

REDUNDANT ALTIMETER SOURCES LOCATED AT KIAD, BACK-UP NOT REQUIRED.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW01L - ALSF-2, TDZ, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW01C - MALSR, C/LINE, HIRL, TDZ, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW01R - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4R		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW12 - MALSR, C/LINE, HIRL, TDZ, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW19L - ALSF-2, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW19C - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4R		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW19R - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4L		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW30 - REIL, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	84.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-13C	+54C	-13C	+14.38C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 958 HIGH TEMP 1264.

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT: 100 FT.

NO LPV LINES OF MINIMA REQUESTED BY FPT.

PROCEDURE TIED TO CAVLR (RNAV) STAR AT COINZ ALT 6000 210 KTAS.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.34
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	290.70
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	4.34
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.77
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	304.26
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	385601.00N/0772721.23W
ARP COORDINATES	385650.84N/0772735.74W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 1R DISTANCE 1.80 NM
FAF COORDINATES	385450.28N/0772321.31W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOSHUA DUGAN	AJV-A431	04/03/2024	AERONAUTICAL INFORMATION SPECIALIST

