

**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>	
W41	RNAV (GPS)-B	1	CRISFIELD	MD	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
4		RNAV (GPS)-B	11/05/2020	10W	1985
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
RNAV			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>
ZJAAY	IAF	HIMBA		TF	FB	1.00	235.77	13.67	2000
ARICE	IAF	HIMBA		TF	FB	1.00	029.84	13.04	2000
HIMBA	IF	JOMUG		TF	FB	1.00	321.74	6.26	1700
JOMUG	FAF	RW32	MAP	TF	FO	0.30	321.83	4.82	
RW32	MAP	404 MSL		CA			321.83		
404 MSL		ZJAAY		DF	FO	1.00			2000

MISSED APPROACH

MAP:

RW32

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2000 DIRECT ZJAAY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HIMBA
- FAC: 321.83 FAF: JOMUG DIST FAF TO MAP: 4.82 DIST FAF TO THLD:
- MIN ALT: HIMBA 2000, JOMUG 1700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- MIN GP INCPT: GP ALT AT FAF: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- GP ANGLE:
- MSA FROM: RW32 1800



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 06 AND 24.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: USE WAL ALTIMETER SETTING.
CHART NOTE: RWY 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART WAL ASOS.
CHART R-4006, R-6604, W-386.
HOLD NE, RT, 235.77 INBOUND.
FAS OBST: 207 AAO 375945N/0754739W.
CHART CIRCLING ICON.
JOMUG TO RW32: 3.25/33.

MINIMUMS:

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

ALTERNATE: NA ☒

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
CIRCLING	520	1	516	560	1	556		NA			NA				

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED IAF FROM "SWL VORTAC TO HIMBA" AND ADDED "ZJAAY TO HIMBA" - SWL VORTAC DECOM.
2. TERMINAL ROUTES: UPDATED INTERMEDIATE COURSE/DISTANCE FROM "321.81/5.86" TO "321.74/6.26" - FAF POSITION MOVED 0.40 NM NW, AIRNAV RWY DATA.
3. TERMINAL ROUTES: JOMUG MOVED 0.40 NM NW FROM "375730.9400N0754428.3400W" TO "375746.5474N0754451.2066W" - VDA SET TO 3.25 TO MATCH VGSI.
4. TERMINAL ROUTES: UPDATED FINAL LEG SEGMENT TO RW32 FROM "JOMUG - RW32, 321.75/5.20" TO "JOMUG - RW32 321.83/4.82 - FAF POSITION MOVED 0.40 NM NW, AIRNAV RWY DATA.
5. TERMINAL ROUTES: UPDATED LEG FROM "404 MSL TO SWL VORTAC" TO " 404 MSL TO ZJAAY" - SWL VORTAC DECOM.
6. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMBING RIGHT TURN TO 2000 DIRECT SWL VORTAC AND HOLD" TO "CLIMBING RIGHT TURN TO 2000 DIRECT ZJAAY AND HOLD" - PER FPT CHECKLIST, SWL VORTAC DECOM.
7. PROFILE LINE 3: UPDATED FAC, DIST FAF TO MAP FROM "321.75, 5.20" TO "321.83, 4.82" - FAF POSITION MOVED 0.40 NM NW, AIRNAV RWY DATA.
8. PROFILE LINE 3: REMOVED "DIST FAF TO THLD 5.20" - IAW 8260.19J PARA 8-6-7.C.(4).
9. PROFILE LINE 8: UPDATED MSA FROM "RW32 1600" TO "RW32 1800" - NEW CONTROLLING OBSTACLE.
10. PBN REQUIREMENTS NOTE: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19J PARA 8-6-8.B.
11. CHART NOTE: ADDED "RWY 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - IAW 8260.19J PARA 8-6-12(K).
12. ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART WALLOPS ISLAND ASOS" TO "CHART WAL ASOS" - IAW 8260.19J 8-2-4.B.(3).
13. ADDITIONAL FLIGHT DATA: CHANGED "HOLD NE, RT, 232.00 INBOUND" TO "HOLD NE, RT, 235.77 INBOUND" - NEW HOLDING ESTABLISHED AT ZJAAY, SWL VORTAC DECOM.
14. ADDITIONAL FLIGHT DATA: UPDATED "FAS OBST: 205 AAO 375915N/0754548W" TO "FAS OBST: 207 AAO 375945N/0754739W" - NEW CONTROLLING OBSTACLE.
15. ADDITIONAL FLIGHT DATA: ADDED "JOMUG TO RW32 3.25/33" - IAW 8260.19J PARA 8-6-11.O.(1).
16. ADDITIONAL FLIGHT DATA: REMOVED "CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES" - PROCEDURE REDESIGNED, VDA SET TO 3.25 TO MATCH VGSI.
17. MINIMUMS: UPDATED CIRCLING CAT B MDA/HAA FROM "520/516" TO "560/556" - NEW CONTROLLING OBSTACLE.

04/05/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/01/2025.
1. REMOVED THE TDZE FROM THE FRONT OF THE 8260-5.
2. PROFILE LINE 4: ADDED HIMBA 2000.



COORDINATED WITH:

A4A

ALPA

AOPA

X

APA

HAI

NBAA

X

OTHER: ZDC, PXT APCH, ARPT MGR

FLIGHT CHECKED BY

JEREMY R VIRTIS

Digitally signed by

ROBERT G HAMILTON

May 01, 2025

OFFICE

AJF

DATE

04/29/2025

DEVELOPED BY

ROBERT G HAMILTON (PHILLIP T. HILL)

Digitally signed by

ROBERT G HAMILTON

May 01, 2025

OFFICE

AJV-A433

DATE

09/09/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

May 01, 2025

OFFICE

AJV-A433

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>
W41	RNAV (GPS)-B	1	CRISFIELD	MD	4	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM ZJAAY **TO** HIMBA

RNP 1.00 **DISTANCE** 13.67 **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 (24-044729)	380135.40N/0753158.20W	372	20	3	1A	1000				AT628	2000
TERRAIN	374209.00N/0754230.00W	68 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM ARICE **TO** HIMBA

RNP 1.00 **DISTANCE** 13.04 **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 (51-001247)	374201.00N/0754135.00W	339	500	50	5D	1000				AT661	2000
TERRAIN	374209.00N/0754230.00W	68 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
39
CHECKED

INTERMEDIATE: LNAV

FROM

HIMBA

TO

JOMUG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	7.35										
<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	375530.00N/0754330.00W	220	215	8	4B	500				AT980	1700
TERRAIN	375524.00N/0754336.00W	19 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

JOMUG

TO

RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.82		RW32		516						
<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	375945.00N/0754739.00W	207	215	8	4B	250				RA46	520

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV

FROM

RW32

TO

ZJAAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30-1.00										358	
<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				2000
TOWER (24-000906)	380144.50N/0754504.00W	480	500	50	5D	1000					1500
TERRAIN	380406.00N/0753024.00W	42 (0)								AS1500	1500

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											
TREE (24-033122)	380034.09N/0754945.46W	1.30	516	123	20	3	1A	300		SI/RA46	520
CATEGORY B											
AAO	380136.00N/0754727.00W	1.80	556	210	215	8	4B	300		RA46	560

CIRCLING REMARKS:

MSA

CENTER

RW32

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (51-069946)	375030.59N/0752854.06W	133	19.3	749	20	3	1A	1000			1800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

POTOMIC APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	WAL	24	WAL	17.72	Y	46
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SBY	24	SBY	24.51	Y	63

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
W41 4, WAL 40
RA = 45.9
W41 4, SBY 47
RA = 62.2
62.2 - 45.9 = 16.4 (17)

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW24			
RW06			
RW32 - REIL (PCL), MIRL (PCL), PAPI-2L		NPI-F	
RW14 - MIRL (PCL), REIL (PCL), PAPI-2L		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.25	33.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
--------------	---------------	-----	---------

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 14		
20:1			
70 TREE (24-033526) 380124.9200N/0754954.3200W (19.39)			
FINAL TYPE	LNAV, CIRCLING RWY 32		

QUALITY

39

CHECKED



<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>
W41	RNAV (GPS)-B	1	CRISFIELD	MD	4	RNAV
20:1						
77 TREE (24-033377) 380046.5100N/0754912.4300W (5.32)			101 TREE (24-033389) 380046.5300N/0754903.9500W (4.08)			
17 POLE (24-033546) 380057.0500N/0754918.9600W (0.32)			17 POLE (24-033560) 380055.9200N/0754920.2100W (0.24)			
<u>PENETRATIONS REMARKS:</u>						

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.

THE VDP IS NOT PUBLISHABLE DUE TO: REMOTE PRIMARY ALTIMETER, PROCEDURE IS CIRCLING-ONLY.

STRAIGHT IN MINIMUMS NOT DEVELOPED AT THIS TIME PER FPT.

CONTINGENCY ALTIMETER NOTE:

USE WAL ALTIMETER SETTING; WHEN NOT RECEIVED, USE SBY ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.

100' VEGETATION USED.

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	2.49
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	311.82
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	0
DISTANCE FROM	THLD	TO 1500FT POINT	4.42
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	311.77
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD COORDINATES (IF STR-IN)	380059.52N/0754923.84W
ARP COORDINATES	380105.40N/0754936.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 14 DISTANCE 0.21 NM
FAF COORDINATES	375746.55N/0754451.21W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ROBERT G HAMILTON (PHILLIP T. HILL)	AJV-A433	09/09/2024	AERONAUTICAL INFORMATION SPECIALIST

