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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
1244	1244	RNAV (GPS) RWY 36	2A	08/11/2022	9W	2000

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV			ROUTINE	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 315/30 CW 135/30	NOPT	315/5 CW 135/5		6000
2. 315/5 CW 135/5		DOCAY	IF/IAF	4500
3. 135/30 CW 225/30		135/5 CW 225/5		5200
4. 135/5 CW 225/5		ROEDS	IAF	4500
5. 225/30 CW 315/30		225/5 CW 315/5		6400
6. 225/5 CW 315/5		MTNER	IAF	4900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ROEDS	IAF	DOCAY	NOPT	TF	FB	1.00	134.61	7.00	4500
MTNER	IAF	DOCAY	NOPT	TF	FB	1.00	314.77	7.00	4500
DOCAY	IF/IAF	KIRGE		TF	FB	1.00	044.69	5.61	3200
KIRGE	FAF	FEGOV/3.03 NM TO GIVVE		TF	FB	0.30	015.17	2.15	
FEGOV/3.03 NM TO GIVVE		GIVVE	MAP	TF	FO	0.30	015.17	3.03	
GIVVE	MAP	1700 MSL		CA			015.17		1700
1700 MSL		JOHNB		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: GIVVE
LNAV: GIVVE

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 DIRECT JOHNB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD SW DOCAY, LT, 044.69 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 015.17 **FAF:** KIRGE **DIST FAF TO MAP:** 5.17 **DIST FAF TO THLD:** 5.67
4. **MIN ALT:** DOCAY 4500, KIRGE 3200, FEGOV/3.03 NM TO GIVVE 2480
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
6. **MIN GP INCPT:** **GP ALT AT FAF:** **OM:** **MM:** **IM:**
7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 13.79 DEGREES.

ADDITIONAL FLIGHT DATA:

FICTITIOUS THRESHOLD POINT (CFDWF) DO NOT CHART.
HOLD N, RT, 181.37 INBOUND.
CHART FAS OBST: 1660 TREE (54-037100) 393519N/0795431W, 1387 TREE (54-047514) 393711N/0795505W.
CHART VDP AT 0.59 NM TO GIVVE.
WAAS CHANNEL # 53642
REFERENCE PATH ID: W36A
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
KIRGE TO RW36: 3.17/52.
CHART CIRCLING ICON.
FTP HAE: 346.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-3, CAT D 1500-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LP MDA	1640	1	396	1640	1	396	1640	1 1/8	396	1640	1 1/8	396			
LNAV MDA	1920	1	676	1920	1	676	1920	1 7/8	676	1920	1 7/8	676			
CIRCLING	1920	1	676	1920	1	676	2200	3	956	2660	3	1416			

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV

CHANGES - REASONS

1. TERMINAL ROUTES IAF FROM ROEDS TO DOCAY: REPLACED FEEDER ROUTE FROM TEDDS WITH ROEDS (TAA LEFT BASE IAF); COURSE CHANGED FROM 162.05 TO 134.61, DISTANCE CHANGED FROM 12.40 NM TO 7.00 NM, ALTITUDE CHANGED FROM 4200 TO 4500 – ADDED TAA PER ATC REQUEST.
2. TERMINAL ROUTES IAF FROM MTNER TO DOCAY: ADDED MTNER (TAA RIGHT BASE IAF) – ADDED TAA PER ATC REQUEST.
3. TERMINAL ROUTES IF FROM DOCAY TO KIRGE: REMOVED STEPDOWN FIX DOUBT FROM PROCEDURE; COURSE CHANGED FROM 45.86 TO 44.69, DISTANCE CHANGED FROM 4.00 NM TO 5.61 NM – PER ATC REQUEST.
4. TERMINAL ROUTES FAF KIRGE TO SDF: CHANGED STEPDOWN “FEGOV/2.29 NM TO GIVVE” TO “FEGOV/3.03 NM TO GIVVE” – NEW CONTROLLING OBSTACLE; RAISED FIX ALTITUDE TO MAINTAIN 3.17 DEGREE GLIDEPATH.
5. TERMINAL ROUTES FROM SDF TO GIVVE: CHANGED FROM POINT “FEGOV/2.29 NM TO GIVVE” TO “FEGOV/3.03 NM TO GIVVE” – NEW CONTROLLING OBSTACLE; RAISED FIX ALTITUDE TO MAINTAIN 3.17 DEGREE GLIDEPATH.
6. TERMINAL ROUTES FROM MAP GIVVE TO CA ALT 1700FT: COURSE CHANGED FROM 016.77 TO 001.37 – NEW HOLDING FIX JOHNB PER ATC REQUEST.
7. TERMINAL ROUTES CA ALT 1700FT TO JOHNB: REMOVED TEDDS AND ADDED JOHNB - PER ATC REQUEST.
8. MISSED APPROACH INSTRUCTIONS: CHANGED “CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 DIRECT TEDDS AND HOLD” TO “CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 4000 DIRECT JOHNB AND HOLD” – NEW HOLDING FIX PER ATC REQUEST.
9. PROFILE LINE 2: CHANGED H-I-L OF PT AT DOCAY COURSE/ALTITUDE FROM “045.86 INBOUND, 4000 FT” TO “044.69 INBOUND, 4500 FT”; FIX MOVED .54 NM TO THE SOUTHEAST AND RAISED ALTITUDE – PER ATC REQUEST.
10. PROFILE LINE 3: CHANGED FAC FROM 016.77 TO 015.17; DIST FAF TO MAP FROM 4.54 TO 5.17; DIST FAF TO THLD FROM 5.05 TO 5.67 – FIXES MOVED PER ATC REQUEST.
11. PROFILE LINE 7: CHANGED MIN ALTS DOCAY FROM 4000 TO 4500, KIRGE FROM 3000 TO 3200, STEPDOWN FROM FEGOV/2.29 NM TO GIVVE 2240 TO FEGOV/3.03 NM TO GIVVE 2480 – NEW EVALUATION; 8260.19 PARA 8-6-7 D.
12. PROFILE LINE 8: REMOVED MSA - 8260.19 PARA 8-6-7 G(4).
13. PBN REQUIREMENT NOTE: CHANGED “RNP APCH” TO “RNP APCH – GPS” – 8260.19 PARA 8-6-8D
14. NOTES: REMOVED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEDDS ON V144 WESTBOUND AND V37 NORTHBOUND – FIX REMOVED PER ATC REQUEST
15. NOTES: ADDED CHART NOTE: VDP NA WHEN USING CKB ALIMETER SETTING – 8260.19 PARA E(9).
16. NOTES: CHANGED CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.39 DEGREES TO FINAL APPROACH COURSE OFFSET 13.79 DEGREES – FINAL APPROACH SEGMENT SHIFTED DUE TO NEW FIX PLACEMENTS PER ATC REQUEST.
17. ADDITIONAL FLIGHT DATA: CHANGED “HOLD W, LT, 109.41 INBOUND” TO “HOLD N, RT, 181.37 INBOUND” – MISSED APPROACH HOLDING MOVED FROM TEDDS TO DOCAY.
18. ADDITIONAL FLIGHT DATA: REMOVED “CHART FAS OBST: 1459 TOWER 393623N0795536W, 1374 TREE 393711N/0795505W” – NEW EVALUATION, 8260.19 PARA 8-6-11(M).
19. ADDITIONAL FLIGHT DATA: ADDED “CHART FAS OBST: 1660 TREE (54-037100) 393519N/0795431W, 1387 TREE (54-047514) 393711N/0795505W - NEW EVALUATION, 8260.19 PARA 8-6-11(M).
20. ADDITIONAL FLIGHT DATA: REMOVED “CHART 1656 TREE 393519N/0795430W, 2323 AAO 393221N/0795403W, 2007 AAO 393314N/0795436W.” - NEW EVALUATION, 8260.19 PARA 8-6-11(M).
21. ADDITIONAL FLIGHT DATA: MOVED 7:1 OBSTACLES "2136 AAO 393215.00N/0795439.00W, 1726 AAO 393448.00N/0795457.00W, 2310 AAO 393157.00N/0795415.00W, 1756 AAO 393424.00N/0795503.00W" TO GENERAL REMARKS - NEW EVALUATION, 8260.19 PARA 8-6-11(M).
22. ADDITIONAL FLIGHT DATA: UPDATED VDP FROM “1.08 NM TO GIVVE” TO “0.59 NM TO GIVVE” – NEW EVALUATION, 8260.19 PARA 8-6-11(M).
23. ADDITIONAL FLIGHT DATA: UPDATED FAC CROSSES RWY C/L EXTENDED FROM 3100 FT TO 3000 FT – NEW EVALUATION, 8260.19 PARA 8-6-11(M).
24. ADDITIONAL FLIGHT DATA: UPDATED “KIRGE TO RW36: 3.18/52” TO “KIRGE TO RW36 3.17/52” – NEW EVAUALTION, 8260.19 PARA 8-6-11(M).
25. MINIMUMS: INCREASED LNAV MDA MINIMUMS ALL CATS DA/MDA FROM “1720/476” TO “1920/676” AND INCREASED VIS MINIMUMS CAT C/D FROM “1 3/8” TO “1 7/8” – NEW EVALUATION AND CONTROLLING OBSTACLE, 8260.3 TABLE 3-3-1.
26. MINIMUMS: INCREASED CIRLCLING DA/MDA CAT A FROM “1800” TO “1920”, CAT B FROM “1840” TO “1920”, CAT C FROM “2160” TO “2200”, CAT D FROM “2640” TO “2660” - NEW EVALUATION AND CONTROLLING OBSTACLE, 8260.3 TABLE 3-3-1.
27. MINIMUMS: INCREASED CIRLCLING VIS CAT C FROM “2 ¾” TO “3” - NEW EVALUATION AND CONTROLLING OBSTACLE, 8260.3 TABLE 3-3-1.
28. FAS DATA BLOCK: CHANGED CRC REMAINDER FROM 2CACA68D TO 19811D4A, FTP CHANGED FROM 393811.4670N/0795448.1560W TO 393811.5685N/0795449.5585W, FPAP CHANGED FROM 393939.8195N/0795432.5350W TO 393940.2235N/0795437.1370W, GPA CHANGED FROM 3.18 TO 3.17.

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [X] **APA** [ ] **HAI** [ ] **NBAA** [X] **OTHER:** ZOB, CKB APP CON, MGW ATCT, ARPT MGR.

FLIGHT CHECKED BY	*Digitally signed by* ***RAKE MCGRAW*** May 01, 2025	**OFFICE**	**DATE**	
JEREMY R VIRTS		AJF	04/30/2025	
DEVELOPED BY	*Digitally signed by* ***DUSTIN J HILLEY*** Jan 10, 2025	**OFFICE**	**DATE**	
JOHN BORDY (DUSTIN HILLEY)		AJV-A422	08/23/2024	
APPROVED BY	*Digitally signed by* ***RAKE MCGRAW*** May 01, 2025	**OFFICE**	**DATE**	**TITLE**
JOHN BORDY		AJV-33		MANAGER

QUALITY 19 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMGW
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	393811.5685N
LTP/FTP LONGITUDE	0795449.5585W
LTP/FTP ELLIPSOIDAL HEIGHT	+03466
FPAP LATITUDE	393940.2235N
FPAP LONGITUDE	0795437.1370W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.17
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	19811D4A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03790
FPAP ORTHOMETRIC HEIGHT	+03790

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
315/30 CW 135/30

TO
315/5 CW 135/5

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (54-000964)	390933.00N/0793333.00W	3988	500	125	5E	2000					6000
TERRAIN	390624.00N/0793606.00W	3664 (3700)								AS1500	5200

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
315/5 CW 135/5

TO
DOCAY

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (54-000764)	392700.65N/0795558.57W	2462	50	20	2C	2000					4500
TERRAIN	392630.00N/0795754.00W	1981 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM
135/30 CW 225/30

TO
135/5 CW 225/5

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (42-020773)	394538.02N/0794258.07W	3164	500	125	5E	2000					5200
TERRAIN	394812.00N/0794142.00W	2762 (2800)								AS1500	4300

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM
135/5 CW 225/5

TO
ROEDS

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392757.00N/0800027.00W	1992	215	8	4B	2000				AT508	4500
TERRAIN	393515.00N/0801051.00W	1564 (1600)								AS1500	3100

COMPUTATIONS

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

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
225/30 CW 315/30

TO
225/5 CW 315/5

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	390251.00N/0792248.00W	4377	215	8	4B	2000					6400
TERRAIN	390951.00N/0791921.00W	4068 (4100)								AS1500	5600

COMPUTATIONS

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

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
225/5 CW 315/5

TO
MTNER

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392003.00N/0794500.00W	2842	215	8	4B	2000					4900
TERRAIN	392427.00N/0794618.00W	2168 (2200)								AS1500	3700

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

INITIAL

FROM	TO
ROEDS	DOCAY

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	7.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392630.00N/0795815.00W	2103	215	8	4B	1000				AT1397	4500
TERRAIN	392621.00N/0795933.00W	1824 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
MTNER	DOCAY

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	7.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (54-000764)	392700.65N/0795558.57W	2462	50	20	2C	1000				AT1038	4500
TERRAIN	392754.00N/0795609.00W	2135 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

INTERMEDIATE

FROM	TO
DOCAY (IF/IAF)	KIRGE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.61				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (54-000789)	392932.00N/0795434.00W	2453	500	125	5E	500				AC125	3100
TERRAIN	392936.00N/0795433.00W	2178 (2200)								AS1000	3200

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LP

FROM	TO
KIRGE	FEGOV/3.03 NM TO GIVVE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.15				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	393318.00N/0795442.00W	1962	215	8	4B	250				RA80 DG188	2480

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

FINAL: LP STEPDOWN

FROM	TO
FEGOV/3.03 NM TO GIVVE	GIVVE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	3.03		GIVVE	396	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (54-047514)	393711.24N/0795504.84W	1387	20	3	1A	250					1640

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM	TO
KIRGE	FEGOV/3.03 NM TO GIVVE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.15				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	393245.00N/0795421.00W	2149	215	8	4B	250				RA80	2480

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM	TO
FEGOV/3.03 NM TO GIVVE	GIVVE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	3.03		GIVVE	676	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (54-037100)	393518.80N/0795431.47W	1660	20	3	1A	250					1920

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

HOLD-IN-LIEU OF PT

FROM	TO
DOCAY	P-6

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-6			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (54-000764)	392700.65N/0795558.57W	2462	50	20	2C	1000				AT1038	4500
TERRAIN	392936.00N/0795433.00W	2178 (2200)								AS1500	3700

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LP

FROM	TO
GIVVE	JOHNB

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					1540

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	395012.00N/0795915.00W	1680	215	8	4B	1000					2700
TERRAIN	395012.00N/0795918.00W	1479 (1500)								AS1500	3000

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

MISSED APPROACH: LNAV

FROM	TO
GIVVE	JOHNB

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					1820

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	395012.00N/0795915.00W	1680	215	8	4B	1000					2700
TERRAIN	395012.00N/0795918.00W	1479 (1500)								AS1500	3000

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	393727.00N/0795342.00W	1.31	676	1501	215	8	4B	300		SI	1920
CATEGORY B											
TREE	393721.00N/0795333.00W	1.85	676	1524	215	8	4B	300		SI	1920
CATEGORY C											
TREE	393542.00N/0795303.00W	2.91	956	1885	215	8	4B	300			2200
CATEGORY D											
AAO	393633.00N/0795030.00W	3.84	1416	2356	215	8	4B	300			2660

CIRCLING REMARKS:

MSA/ESA

CENTER	RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MGW	RNAV (GPS) RWY 36	3	MORGANTOWN	WV	1244	RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZOB ARTCC, CKB APP CON, MGW TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	MGW	24	MGW	0	Y	0
BACK-UP WX SERVICE	**LOCATION**	**HRS OPERATION**	**ALTIMETER SOURCE**	**DISTANCE**	**WMSCR**	**ADJUSTMENTS**
ASOS	CKB	24	CKB	25.25	Y	61

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMGW 1244, KCKB 1224
RA = 61.0.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW18 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	
RW36 - REIL (PCL), HIRL (PCL), VASI-4L (PCL)	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	52.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	3000 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	LP AND LNAV
20:1	
.	
FINAL TYPE	LP AND LNAV
34:1	
1322 TREE (54-057454) 393753.4000N/0795500.3200W (31.43)	1321 TREE (54-057476) 393753.7000N/0795458.8700W (30.87)
1316 TREE (54-030187) 393754.6000N/0795458.5200W (28.42)	1321 TREE (54-058118) 393752.6500N/0795459.3400W (27.91)

1316 TREE (54-057465) 393753.7300N/0795458.7100W (25.91)	1317 TREE (54-037115) 393753.3100N/0795458.5300W (25.61)
1318 TREE (54-058107) 393752.9200N/0795458.8600W (25.56)	1317 TREE (54-057646) 393753.0700N/0795458.8000W (24.99)
1313 TREE (54-057513) 393754.0800N/0795458.7800W (23.96)	1307 TREE (54-057695) 393755.6300N/0795459.0000W (22.6)
1317 TREE (54-036183) 393751.8500N/0795502.6400W (22.56)	1308 TREE (54-057475) 393755.1900N/0795459.0600W (22.32)
1306 TREE (54-030185) 393755.8800N/0795458.8200W (22.28)	1305 TREE (54-057744) 393756.1400N/0795459.1100W (22.14)
1312 TREE (54-057798) 393753.8000N/0795458.3100W (21.99)	1304 TREE (54-057345) 393755.8900N/0795459.1100W (20.4)
1316 TREE (54-057615) 393751.2300N/0795504.1600W (20.19)	1307 TREE (54-058103) 393754.8000N/0795458.5700W (20.02)
1307 TREE (54-057916) 393754.6000N/0795458.9700W (19.55)	1312 TREE (54-057820) 393752.9200N/0795458.5900W (19.48)
1310 TREE (54-057773) 393753.3700N/0795458.7900W (18.87)	1304 TREE (54-057833) 393755.2400N/0795458.7600W (18.38)
1310 TREE (54-057386) 393753.1800N/0795458.1900W (18.13)	1310 TREE (54-057635) 393752.2700N/0795500.8900W (16.27)
1297 TREE (54-058084) 393756.4700N/0795459.0800W (15.1)	1306 TREE (54-057544) 393753.4000N/0795458.0400W (14.73)
1294 TREE (54-057980) 393757.2200N/0795459.0300W (14.3)	1300 TREE (54-057445) 393754.7500N/0795501.5800W (13.79)
1306 TREE (54-047515) 393752.5400N/0795459.9500W (12.78)	1304 TREE (54-057459) 393753.3500N/0795458.3300W (12.67)
1299 TREE (54-036589) 393754.6900N/0795500.1400W (12.18)	1305 TREE (54-034635) 393752.7300N/0795459.0900W (12.07)
1297 TREE (54-034632) 393754.5200N/0795501.0100W (9.94)	1298 TREE (54-057813) 393754.3000N/0795458.4500W (9.51)
1299 TREE (54-057514) 393753.9800N/0795458.0400W (9.44)	1298 TREE (54-058076) 393753.1900N/0795501.7800W (7.25)
1287 TREE (54-057758) 393757.0000N/0795459.1600W (6.69)	1293 TREE (54-058064) 393755.0800N/0795457.7700W (6.6)
1287 TREE (54-057412) 393756.9100N/0795458.9100W (6.35)	1297 TREE (54-034634) 393753.3600N/0795500.3400W (6.31)
1295 TREE (54-030188) 393753.8700N/0795500.4000W (5.84)	1290 TREE (54-033907) 393755.3200N/0795500.5600W (5.16)
1298 TREE (54-024515) 393752.5400N/0795500.3200W (4.89)	1293 TREE (54-057403) 393754.4000N/0795458.1500W (4.71)
1290 TREE (54-057457) 393755.2400N/0795458.3900W (4.26)	1288 TREE (54-057736) 393755.4700N/0795458.8400W (3.08)
1294 TREE (54-057709) 393753.4500N/0795457.9000W (2.83)	1288 TREE (54-035501) 393755.2200N/0795457.4800W (1.93)
1293 TREE (54-033908) 393753.4500N/0795457.7400W (1.79)	1288 TREE (54-057481) 393754.7600N/0795458.2200W (0.8)
1291 TREE (54-057460) 393753.7600N/0795457.3900W (0.59)	1295 TREE (54-035503) 393752.0700N/0795500.3000W (0.5)
1292 TREE (54-057769) 393752.6800N/0795503.5600W (0.29)	
PENETRATIONS REMARKS:	

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.

CONTINGENCY ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CKB ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET; INCREASE LP CATS C/D AND LNAV CATS B/C/D VISIBILITY 1/4 SM AND CIRCLING CAT B VISIBILITY 1/4 SM.
CHART NOTE: VDP NA WHEN USING CKB ALTIMETER SETTING.

VDA/TCH 3.17/52.
TAA DEVELOPED, AIR TRAFFIC REQUEST, FINAL OFFSET 13.79 DEGREES WEST, AND INTERMEDIATE OFFSET 29.52 DEGREES WEST BECAUSE OF HIGH TERRAIN SOUTHEAST OF THE AIRPORT.
ORDER 8260.3 CHAPTER 2 APPLIED TO 2136 AAO 393215.00N/0795439.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1726 AAO 393448.00N/0795457.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 2310 AAO 393157.00N/0795415.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1756 AAO 393424.00N/0795503.00W.

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	MAP	**TO 1000FT POINT**	5.00
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	2.00
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	006.17
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	2000
DISTANCE FROM	MAP	**TO 1500FT POINT**	9.68
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	8.00
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	039.69
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	2200

THRESHOLD COORDINATES (IF STR-IN)	393811.48N/0795458.77W
ARP COORDINATES	393836.94N/0795503.17W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 18 DISTANCE 0.43 NM
FAF COORDINATES	393233.31N/0795536.87W
FIX NAME COORDINATES	IF/IAF DOCAY 392759.99N/0795950.53W

REMARKS

FINAL OFFSET 13.79 DEGREES AND INTERMEDIATE OFFSET 29.52 DEGREES
1500 FT POINT IS 4 NM FROM THE FAF
FAC TURNS 29.56 DEGREES FROM THE INTERMEDIATE SEGMENT, THE ACTUAL WIDTH OF THE INTERMEDIATE SEGMENT FROM THE 1500 PT IS 4NM. THE CHARTED INTERMEDIATE SEGMENT WIDTH WILL BE 8 NM TO ACCOUNT FOR THE TURN EXPANSION AREAS FOR NEW PROCEDURE DESIGN.
NO ADDITIONAL AIRSPACE REQUIRED

TAA:
IAF ROEDS 393205.00N 0800711.43W 30 NM RADIUS
IAF MTNER 392354.51N 0795230.49W 30 NM RADIUS
IF/IAF DOCAY 392759.99N 0795950.53W 30 NM RADIUS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOHN BORDY (DUSTIN HILLEY)	AJV-A422	08/23/2024	AERONAUTICAL INFORMATION SPECIALIST