

**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</u> MORGANTOWN MUNI-WALTER L BILL HART FLD	<u>AIRPORT ID</u> KMGW	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> MORGANTOWN	<u>STATE</u> WV
<u>AIRPORT ELEVATION</u> 1244	<u>TDZE</u> 1240	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 9W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-19 AND AS A CORRECTED COPY IN TL 19-21.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MGW VOR/DME		JOHNB		TF	FO	1.00	355.10	17.59	4000
TEDDS		OBEID		TF	FB	1.00	049.21	15.51	4000
OBEID	IAF	JOHNB	NOPT	TF	FB	1.00	095.19	5.00	3000
OTOWN	IAF	JOHNB	NOPT	TF	FB	1.00	262.73	7.95	3000
JOHNB	IF/IAF	BSTAF		TF	FB	1.00	181.37	6.88	2800
BSTAF	FAF	RW18	MAP	TF	FO	0.30	181.38	4.67	
RW18	MAP	1446 MSL		CA			181.38		
1446 MSL		BAGVE		DF	FB ←	1.00			
BAGVE		AFXAD		TF	FB ←	1.00	224.91	7.00	
AFXAD		TEDDS		TF	FO	1.00	310.36	15.05	4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT BAGVE AND RIGHT TURN ON TRACK 224.91 TO AFXAD AND RIGHT TURN ON TRACK 310.36 TO TEDDS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
18
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD N JOHNB, RT, 181.37 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 181.38 FAF: BSTAF DIST FAF TO MAP: 4.67 DIST FAF TO THLD: 4.67
4. MIN ALT: JOHNB 3000, BSTAF 2800
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT:
6. MIN GP INCPT: 2800 GP ALT AT FAF : BSTAF 2800 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 59.1
8. MSA FROM: RW18 4500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 46°C. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MGW VOR/DME ON AIRWAY RADIALS 307 CW 048.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 2.21 NM TO RW18*
*LNAV ONLY
WAAS CHANNEL #50412
REFERENCE PATH ID: W18A
CHART FAS OBST: 1579 TREE 394129N/0795518W.
HOLD W, LT, 109.41 INBOUND
LTP HAE: 344.2 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 1000-2 3/4, CAT D 1400-3, 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
LPV DA	1446	1/2	206	1446	1/2	206	1446	1/2	206	1446	1/2	206			
LNAV/VNAV DA	1869	1 3/4	629	1869	1 3/4	629	1869	1 3/4	629	1869	1 3/4	629			
LNAV MDA	2000	1/2	760	2000	3/4	760	2000	1 3/4	760	2000	2	760			
CIRCLING	2000	1	756	2000	1 1/4	756	2160	2 3/4	916	2640	3	1396			



AIRPORTMORGANTOWN MUNI-WALTER L BILL
HART FLDAIRPORT ID

KMGW

PROCEDURE NAME

RNAV (GPS) Z RWY 18

ORIGINAL/AMENDMENT

ORIG-B

CITY

MORGANTOWN

STATE

WV

CHANGES - REASONS

1. ALL REFERENCES TO MGW VORTAC CHANGED TO MGW VOR/DME - TACR PROJECT.
2. RAISED CAT C CIRCLING CMDA/HAA FROM 2000/752 TO 2160/916 AND CAT D FROM 2100/852 TO 2640/1396 - NEW CIRCLING CRITERIA APPLIED AND TO MATCH RNAV (GPS) RWY 36, AMDT 1 CIRCLING.
3. RAISED CAT C CIRCLING VISIBILITY FROM 2 1/4 TO 2 3/4 MILES AND CAT D CIRCLING FROM 2 3/4 TO 3 MILES - NEW CIRCLING CRITERIA APPLIED AND TO MATCH RNAV (GPS) RWY 36, AMDT 1 CIRCLING.
4. ADDED CHART CIRCLING ICON - NEW CIRCLING RADII APPLIED AND TO MATCH RNAV (GPS) RWY 36, AMDT 1 CIRCLING.
5. REMOVED ALL REFERENCE OF BACK-UP ALTIMETER SETTING - LOCAL WEATHER ON ASOS AND TRANSMITTED ON WMSCR.
6. REPLACED CHART NOTE: DME/DME RNP-0.3 NA WITH PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H PARA 8-6-8B(1).
7. INCORPORATED P-NOTAM 5/4618 - 8260.19H PARA 8-4-C(2).
8. REMOVED FAHRENHEIT TEMPS FROM UNCOMPENSATED BARO-VNAV NOTE - NO LONGER REQUIRED.
9. REMOVED PLANVIEW NOTE AT OBEID - AIRWAYS BEING CANCELLED.

THIS DOES NOT QUALIFY AS A PERIODIC REVIEW - TACR PROJECT.

08/08/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 05/21/2019.

1. CHANGED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 46°C." TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 46°C."

08/29/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 08/16/2019.

1. CHANGED FIX BAGVE AND AFXAD FROM FO TO FB.

COORDINATED WITH:

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☐ ~~HAI~~ ☐ ~~NBAA~~ ☒ OTHER: ZOB, CKB APP CON, MGW ATCT, ARPT MGR.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by
DONALD H LANIER

Aug 29, 2019

OFFICE

AJV-A432

DATE

01/03/2019

DEVELOPED BY

WARDELL HENNING (CHARLES THIBODEAUX)

*Digitally signed by***DONALD H LANIER**

Aug 29, 2019

OFFICE

AJV-A430

DATEAPPROVED BY

LONNIE EVERHART

*Digitally signed by***DONALD H LANIER**

Aug 29, 2019

DATETITLE
MANAGER

AIRPORTMORGANTOWN MUNI-WALTER L BILL
HART FLDAIRPORT ID

KMGW

PROCEDURE NAME

RNAV (GPS) Z RWY 18

ORIGINAL/AMENDMENT

ORIG-B

CITY

MORGANTOWN

STATE

WV

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMGW
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	393902.4100N
LTP/FTP LONGITUDE	0795507.5700W
LTP/FTP ELLIPSOIDAL HEIGHT	+03442
FPAP LATITUDE	393811.3900N
FPAP LONGITUDE	0795458.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00059.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 66318678

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03768
FPAP ORTHOMETRIC HEIGHT	+03768

