

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> KHGR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HAGERSTOWN	<u>STATE</u> MD		
<u>AIRPORT ELEVATION</u> 703	<u>TDZE</u> 695	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 OCTOBER 2023	<u>REQUIRED EFFECTIVE DATE</u> 10/5/2023	<u>CANCEL/SUSPEND</u>		

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>
ASUTE		TOMAC		TF	FB	1.00	168.64	16.85	4000
MUMSY		KUTSE		TF	FB	1.00	014.00	11.00	4000
TOMAC	IAF	COVUK	NOPT	TF	FB	1.00	106.99	6.38	3600
KUTSE	IAF	COVUK	NOPT	TF	FB	1.00	064.89	7.79	3600
COVUK	IF/IAF	FODEV		TF	FB	1.00	091.33	3.30	3100
FODEV		HESGI		TF	FB	1.00	091.38	3.35	2500
HESGI	FAF	RW09	MAP	TF	FO	0.30	091.42	5.59	
RW09	MAP	895 MSL		CA			091.42		
895 MSL		HAIGS		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT HAIGS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W COVUK, RT, 091.33 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 091.42FAF: HESGIDIST FAF TO MAP: 5.59DIST FAF TO THLD: 5.59

4. MIN ALT: COVUK 3600, FODEV 3100, HESGI 2500

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.55GS ANT:

6. MIN GP INCPT: 2500GP ALT AT PFAF : HESGI 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 54.9

8. MSA FROM: RW09 3700

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 271.75 INBOUND.
CHART FAS OBST: 762 TREE (24-022253) 394208N/0774407W.
CHART P-40, R-4009.
CHART VDP AT 0.94 NM TO RW09.
WAAS CHANNEL # 49011
REFERENCE PATH ID: W09A
CHART CIRCLING ICON.
LTP HAE: 168.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	895	3/4	200	895	3/4	200	895	3/4	200	895	3/4	200			
LNAV/VNAV DA	945	3/4	250	945	3/4	250	945	3/4	250	945	3/4	250			
LNAV MDA	1020	1	325	1020	1	325	1020	1	325	1020	1	325			
CIRCLING	1160	1	457	1160	1	457	1200	1 1/2	497	1300	2	597			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED TOMAC TO COVUK SGMENT COURSE FROM 105.85 TO 106.99 AND DISTANCE FROM 6.86 TO 6.38 - COVUK IF MOVED 0.5 NM SW.
2. TERMINAL ROUTES: CHANGED KUTSE TO COVUK SGMENT COURSE FROM 066.44 TO 064.89 AND DISTANCE FROM 8.24 TO 7.79 - COVUK IF MOVED 0.5 NM SW.
3. TERMINAL ROUTES: CHANGED COVUK TO FODEV SGMENT COURSE FROM 091.34 TO 091.33 AND DISTANCE FROM 2.80 TO 3.30 - COVUK IF MOVED 0.5 NM SW.
4. TERMINAL ROUTES: CHANGED CA ALTITUDE FROM 864 MSL TO 895 MSL - BASED ON LPV MINIMA.
5. PROFILE LINE 2: ADDED MAX HOLDING 6000 - REQUIRED IN CURRENT CRITERIA, IAW 8260.19I, 8-6-7, B(2).
6. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO PENETRATIONS EXIST.
7. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - PER 8260.19I PARA 8-6-8 B(2).
8. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C (7°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C" - FAHRENHEIT VALUES NO LONGER REQUIRED, NEW EVALUATION WITH UPDATED CRITICAL TEMPERATURES.
9. MOVED BACKUP ALTIMETER NOTE AND "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MARTINSBURG ALTIMETER SETTING" FROM 8260-3 TO 8260-9 PART C: GENERAL REMARKS AS CONTINGENCY NOTE - 8260.19I, 8-6-9F(3).10.
- 10.REMOVED CHART NOTE "RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - NO PENETRATIONS EXIST.
11. REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ASUTE ON V474 WESTBOUND" - V474 CANCELED.
12. ADDITIONAL FLIGHT DATA: ADDED ID TO "CHART FAS OBST: 762 TREE (24-022253) 394208N/0774407W" - PER CURRENT CRITERIA REQUIREMENT.
13. CHANGED LNAV/VNAV ALL CATS DA/HAT FROM 954/259 TO 945/250 - LNAV/VNAV ASC.
14. CHANGED CIRCLING CAT D MDA/HAA FROM 1320/617 TO 1300/597 - NEW CONTROLLING OBSTACLE.
15. CRC REMAINDER CHANGED FROM "59260766" TO "3CCCB4E7" - FPAP COORDINATES CHANGED FROM "394239.7600N/0774224.2800W" TO "394239.7695N 0774224.2795W".
16. CHANGES FROM P-NOTAMS FOR AMDT 1A INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).
17. DELETED CHART NOTE: "CIRCLING TO RWY 20 NA AT NIGHT" - 20:1 PENETRATION IS LIT.

7/24/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 3/2/2023.
ADDED 10/5/2023 TO REQUIRED EFFECTIVE DATE.

COORDINATED WITH:

A4A☒ALPA☒AOPA☒APA☐HAI☐NBAA☒

OTHER: ZDC, KHGR ATCT, ARPT MGR, POTOMAC TRACON

FLIGHT CHECKED BY

PENDING

Digitally signed by
CASIMIR L TABAKA
Jul 24, 2023

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by
CASIMIR L TABAKA

OFFICE
AJV-A432

DATE
03/02/2023

APPROVED BY

CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA
Jun 21, 2023

OFFICE
AJV-A432

DATE

TITLE



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHGR
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	394225.0635N
LTP/FTP LONGITUDE	0774418.1525W
LTP/FTP ELLIPSOIDAL HEIGHT	+01683
FPAP LATITUDE	394239.7695N
FPAP LONGITUDE	0774224.2795W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3CCCB4E7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02025
FPAP ORTHOMETRIC HEIGHT	+02025

