

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

| TERMINAL ROUTES | | | | MISSED APPROACH | | | |
|---|------------|---|--|--|------------|--|--------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | |
| HGR VOR | HAIGS (FO) | 089.29 / 23.28 | 5000 | LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3600 DIRECT COVUK AND HOLD. | | | |
| HAIGS (IF/IAF) | NOLIN (FB) | 268.74 / 10.00 | 2900 | | | | |
| | | | | ADDITIONAL FLIGHT DATA: HOLD W, RT, 088.34 INBOUND. CHART FAS OBST: 839 TREE 394310N/0774247W CHART P-40, R-4009. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.13 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 86911 REFERENCE PATH ID: W27A | | | |
| | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E HAIGS, RT, 268.74 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>268.60</u> FAF: <u>NOLIN</u> DIST FAF TO MAP: <u>6.66</u> THLD: <u>6.66</u> 4. MIN. ALT: HAIGS 4000, NOLIN 2900, WORUL/1.90 NM TO RW27 1320 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>NOLIN 2900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW27 3700</u> | | | | | | | |
| | | | | MAG VAR: 8W EPOCH YEAR: 1980 | | | |
| MINIMUMS | | | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @ | | |
| CATEGORY ==> | A | | B | | C | | E |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA |
| LPV DA | 901 | 1/2 | 200 | 901 | 1/2 | 200 | 901 |
| LNAV/VNAV DA | 1105 | 1 | 404 | 1105 | 1 | 404 | 1105 |
| LNAV MDA | 1100 | 1/2 | 399 | 1100 | 1/2 | 399 | 1100 |
| | | | | | | | |
| CIRCLING | 1140 | 1 | 437 | 1160 | 1 | 457 | 1260 |
| | | | | | | | |
| | | | | | | | |
| NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HGR VOR ON AIRWAY RADIALS 052 CW 113. SEE 8260-10 | | | | | | | |
| CITY AND STATE | | ELEVATION: 703 TDZE: 701 | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
| HAGERSTOWN, MD | | AIRPORT NAME: HAGERSTOWN RGNL-RICHARD A HENSON FLD | | | | RNAV (GPS) RWY 27, ORIG 12 MAR 2009 | |
| | | | | | | SUP: AMDT: NONE DATED | |

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARTINSBURG ALTIMETER SETTING AND INCREASE LPV DA TO 971, LNAV/VNAV DA TO 1175, AND ALL MDA 80 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MARTINSBURG ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MARTINSBURG ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2.

CITY AND STATE

HAGERSTOWN, MD

ELEVATION: 703 TDZE: 701

AIRPORT NAME:

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FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

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FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KHGR |
| RUNWAY | RW27 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | 0 |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W27A |
| LTP/FTP LATITUDE | 394236.4740N |
| LTP/FTP LONGITUDE | 0774249.8180W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01748 |
| FPAP LATITUDE | 394225.0500N |
| FPAP LONGITUDE | 0774418.2000W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00055.0 |
| 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 F0E1CEAD

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +02090 |
| FPAP ORTHOMETRIC HEIGHT | +02090 |

| | | | | |
|----------------------------------|---|---------------------------------|--|------------|
| CITY AND STATE HAGERSTOWN, MD | ELEVATION: 703 TDZE: 701 AIRPORT NAME: HAGERSTOWN RGNL-RICHARD A HENSON FLD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 12 MAR 2009 | SUP: |
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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|------|--------------------|---------|------------|-------|----------|---|--------------|---|-------|------|----------|---|
| SUSAP KHGRK6FR27 | AHGR | 010HGR | K6D 0V | IF | | | | | | 18000 | | A JS | |
| SUSAP KHGRK6FR27 | AHGR | 020HAIGSK6EA0EY | A 020TF | | | 08930233 | | + 05000 | | | | A JS | |
| SUSAP KHGRK6FR27 | AHGR | 030HAIGSK6EA0EB | CR HF | | | 26870040 | | + 04000 | | | | A JS | |
| SUSAP KHGRK6FR27 | R | 010HAIGSK6EA0E | I IF | | | | | + 04000 | | 18000 | | A JS | |
| SUSAP KHGRK6FR27 | R | 020NOLINK6EA1E | F 051TF | | | 26870100 | | + 02900 | | | RW27 | K6PGA JS | |
| SUSAP KHGRK6FR27 | R | 020NOLINK6EA2WALPV | | ALNAV/VNAV | ALNAV | | | | | | | JS | |
| SUSAP KHGRK6FR27 | R | 021WORULK6EA0E | S 031TF | | | 26860048 | | V 0132001349 | | -300 | | A JS | |
| SUSAP KHGRK6FR27 | R | 030RW27 K6PGOGY | M 031TF | | | 26860019 | | 00741 | | -300 | | A JS | |
| SUSAP KHGRK6FR27 | R | 040COVUKK6EA0EYM | 010DF | | | | | + 03600 | | | | A JS | |
| SUSAP KHGRK6FR27 | R | 050COVUKK6EA0EE | HR020HM | | | 08830040 | | + 03600 | | | | A JS | |

[illegible][illegible]

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| | | |
|------------------|-----------|---|
| SUSAP KHGRK6PR27 | RW27 001 | 0000W27A0N3942364740W07742498180+017480300N3942250500W07744182000106750000000550F400350FoE1CEAD |
| SUSAP KHGRK6PR27 | RW27 002E | +02090+02090LPV 86911 000 |

[illegible]

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE |
|--------|------------|-------|-----|------|------|------|-------|-----|--------------|----------|------------|
| | HGR | HGR | 010 | | IF | | FB | | | | |
| | HGR | HAIGS | 020 | IAF | TF | | FO | 2.0 | 089.3 (081T) | 023.3 | 05000 |
| | HGR | HAIGS | 030 | | HF | R | FO | | 268.7 (261T) | 004.0 | 04000 |
| | | HAIGS | 010 | FACF | IF | | FB | | | | 04000 |
| | | NOLIN | 020 | FAP | TF | | FB | 0.5 | 268.7 (261T) | 010.0 | 02900 |
| | | WORUL | 021 | SDF | TF | | FB | 0.3 | 268.6 (261T) | 004.8 | 0132001349 |
| | | RW27 | 030 | MAP | TF | | FO | 0.3 | 268.6 (261T) | 001.9 | 00741 |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE |
|-----------------|-------|-----|-----|------|------|-------|-----|--------------|----------|----------|
| | COVUK | 040 | | DF | | FO | 1.0 | | | 03600 |
| | COVUK | 050 | | HM | R | FO | 2.0 | 088.3 (080T) | 004.0 | 03600 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|------------|----------|-------------|--------------|-------------|--------------|
| | HGR | N394151.82 | W0775120.56 | N3941.864 | W07751.343 |
| | COVUK | N394027.71 | W0775918.10 | N3940.462 | W07759.302 |
| | HAIGS | N394519.46 | W0772131.42 | N3945.324 | W07721.524 |
| | NOLIN | N394342.07 | W0773419.15 | N3943.701 | W07734.319 |
| | WORUL | N394255.26 | W0774024.11 | N3942.921 | W07740.402 |
| | RW27 | N394236.47 | W0774249.82 | N3942.608 | W07742.830 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|-------------|------|------------------------|-----|
| | RW27 | 00686 | 55 |

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