

RADIO FIX AND HOLDING DATA RECORD

NAME: HENDERSON DME STATE: WV COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 384515.00N/0820134.00W TYPE:

AIRSPACE DOCKET: 20-AEA-18 FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | MRA | MAA |
|-----|-----------|-------|------|-------|---------|----------|-----|------------------|------|-----|-------|
| 1 | HENDERSON | HNN | DME | | | | | | | | 45000 |

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | DME | HOLDING ALTITUDES MIN | MAX | TEMPLATES MIN | MAX |
|-----|-----|-------|------|-------------|-------------|---------------|-----------------|-----|-----------------------|-------|---------------|-----|
| 1 | SW | | WP | 236.67 | 056.67 | R | | 4 | 2700 | 10000 | 5 | 10 |
| 2 | SE | | WP | 129.70 | 309.70 | R | | 4 | 2700 | 6000 | 4 | 5 |
| 3 | S | | WP | 194.10 | 014.10 | R | | 4 | 2700 | 6000 | 5 | 6 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | TOWER (54-000633) | 384532.16N/0815731.48W | 1279 | 1A |
| 2 | 200 | TOWER (54-000633) | 384532.16N/0815731.48W | 1279 | 1A |
| 3 | 200 | TOWER (54-000633) | 384532.16N/0815731.48W | 1279 | 1A |

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 ASSIGNED FACILITY MAG VAR: W03/1965.
 HOLDING PAT 1,2,3 RETAINED FOR ATC.
 HOLDING RESTRICTIONS: HOLDING LIMITED TO ESTABLISHED PATTERNS.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------|-----|-----|---------------|------------|---------|
| EN ROUTE | Q176 | | | | | (US) |
| EN ROUTE | Q67 | | | | | (US) |
| STAR | GAVNN (RNAV) | | | KCVG | COVINGTON | KY (US) |
| STAR | FEWGA (RNAV) | | | KPIT | PITTSBURGH | PA (US) |

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23 DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

CHANGED NAME FROM HENDERSON VORTAC TO HENDERSON DME.
 L/L CHANGED FROM 384514.85N/0820134.20W TO 384515.00N/0820134.00.(22 FT) PER AIRNAV DATA.
 UPDATED AIRSPACE DOCKET # TO 20-AE-18.
 UPDATED FAC 1 FROM HNN VORTAC TO HNN DME.
 UPDATED HOLDING PATTERN 2 TYPE FROM VORTAC TO WP.
 UPDATED REMARKS TO INCLUDE PAT 2 AND 3 RETAINED FOR ATC AND ADDED HOLDING RESTRICTION REMARKS.
 FIX USE: DELETED KCVG COVINGTON RHOMM DP.
 FIX USE: DELETED KCVG COVINGTON BRUSH STAR.
 FIX USE: DELETED KK62 FALMOUTH BRUSH STAR.
 FIX USE: DELETED KI69 BATAVIA BRUSH STAR.
 FIX USE: DELETED KLUK CINCINNATI BRUSH STAR.
 FIX USE: DELETED KHAO HAMILTON BRUSH STAR.
 FIX USE: DELETED IAP NDB RWY 25 AT KUNI.
 FIX USE: DELETED IAP RNAV GPS RWY 4 AT KI18.
 FIX USE: DELETED IAP RNAV GPS RWY 23 AT KGAS.
 FIX USE: DELETED KCMH, KLCK, KOSU, KTZR AT COLUMBUS FOR BRUSH STAR.
 REMOVED J91, J134, V119,V45 AND V174 FROM FIX USE.
 ADDED Q176 TO FIX USE.

| | | | |
|-----------------------------------|-------|------------------|-----------------------|
| INITIATED BY: | DATE: | ORGANIZATION: | NAME: |
| OFFICE OF PRIMARY RESPONSIBILITY: | | AJV-A423 | NAME: MICHAEL HARRIS |
| APPROVED BY: | DATE: | OFFICE: AJV-A420 | NAME: MARLON ROBINSON |
| SIGNATURE: | | | |

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZID
 ATC FACILITY: HTS ATCT
 OTHER: CRW APP CON, UNI ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: ST LOUIS VORTAC **STATE:** MO **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 385138.48N/0902856.52W **TYPE:**

AIRSPACE DOCKET: 20-ACE-26 **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | MRA FEET | MAA |
|-----|----------|-------|--------|-------|---------|----------|-----|------------------|----------|-------|
| 1 | ST LOUIS | STL | VORTAC | H | | | | | | 45000 |

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME DME | HOLDING ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| 1 | SE | STL | VORTAC | 150.00 | 330.00 | R | 1 | 3000 6000 | 4 5 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1 | 200 | AAO | 385012.00N/0902039.00W | 873 | 4E |
| 1 | 310 | TOWER (17-001582) | 390014.00N/0902958.00W | 1150 | 5E |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE | AIRPORT IDENT | CITY | STATE |
|-----|--------------------|---------------|----------|---------|
| 1 | ILS OR LOC RWY 30L | KSTL | ST LOUIS | MO (US) |
| 1 | ILS OR LOC RWY 6 | KSTL | ST LOUIS | MO (US) |

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
STL MAGVAR 1995/E1.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-----------|-----|-----|---------------|------------------|---------|
| DP | GATEWAY | | | KALN | ALTON/ST LOUIS | IL (US) |
| DP | LINDBERGH | | | KALN | ALTON/ST LOUIS | IL (US) |
| DP | OZARK | | | KALN | ALTON/ST LOUIS | IL (US) |
| DP | PLESS | | | KALN | ALTON/ST LOUIS | IL (US) |
| DP | GATEWAY | | | KBLV | BELLEVILLE | IL (US) |
| DP | LINDBERGH | | | KBLV | BELLEVILLE | IL (US) |
| DP | OZARK | | | KBLV | BELLEVILLE | IL (US) |
| DP | PLESS | | | KBLV | BELLEVILLE | IL (US) |
| DP | GATEWAY | | | KCPS | CAHOKIA/ST LOUIS | IL (US) |
| DP | LINDBERGH | | | KCPS | CAHOKIA/ST LOUIS | IL (US) |
| DP | OZARK | | | KCPS | CAHOKIA/ST LOUIS | IL (US) |
| DP | PLESS | | | KCPS | CAHOKIA/ST LOUIS | IL (US) |
| DP | ROCKY | | | KEYE | INDIANAPOLIS | IN (US) |
| DP | ROCKY | | | KHFY | INDIANAPOLIS | IN (US) |
| DP | ROCKY | | | KIND | INDIANAPOLIS | IN (US) |
| DP | ROCKY | | | KMQJ | INDIANAPOLIS | IN (US) |
| DP | ROCKY | | | KTYQ | INDIANAPOLIS | IN (US) |
| DP | ROCKY | | | KUMP | INDIANAPOLIS | IN (US) |
| DP | ROCKY | | | KGEZ | SHELBYVILLE | IN (US) |
| DP | GATEWAY | | | KSTL | ST LOUIS | MO (US) |
| DP | LINDBERGH | | | KSTL | ST LOUIS | MO (US) |
| DP | OZARK | | | KSTL | ST LOUIS | MO (US) |
| DP | PLESS | | | KSTL | ST LOUIS | MO (US) |
| DP | GATEWAY | | | KSUS | ST LOUIS | MO (US) |
| DP | LINDBERGH | | | KSUS | ST LOUIS | MO (US) |
| DP | OZARK | | | KSUS | ST LOUIS | MO (US) |
| DP | PLESS | | | KSUS | ST LOUIS | MO (US) |
| EN ROUTE | J101 | | | | | (US) |
| EN ROUTE | J110 | | | | | (US) |
| EN ROUTE | J134 | | | | | (US) |
| EN ROUTE | J151 | | | | | (US) |
| EN ROUTE | J19 | | | | | (US) |
| EN ROUTE | J233 | | | | | (US) |
| EN ROUTE | J24 | | | | | (US) |
| EN ROUTE | J35 | | | | | (US) |
| EN ROUTE | J45 | | | | | (US) |
| EN ROUTE | J8 | | | | | (US) |
| EN ROUTE | Q176 | | | | | (US) |
| EN ROUTE | Q19 | | | | | (US) |
| EN ROUTE | V125 | | | | | (US) |
| EN ROUTE | V14 | | | | | (US) |
| EN ROUTE | V4 | | | | | (US) |
| EN ROUTE | V52 | | | | | (US) |
| EN ROUTE | V580 | | | | | (US) |

| | | | | |
|----------|----------------------------|--------|------------------|---------|
| EN ROUTE | V582 | | | (US) |
| EN ROUTE | V9 | | | (US) |
| IAP | ILS OR LOC RWY 29 | KALN | ALTON/ST LOUIS | IL (US) |
| IAP | NDB RWY 17 | KALN | ALTON/ST LOUIS | IL (US) |
| IAP | VOR-A | KALN | ALTON/ST LOUIS | IL (US) |
| IAP | VOR RWY 18 | KSET | ST CHARLES | MO (US) |
| IAP | ILS OR LOC RWY 12L | KSTL | ST LOUIS | MO (US) |
| IAP | ILS OR LOC RWY 12R | KSTL | ST LOUIS | MO (US) |
| IAP | ILS OR LOC RWY 24 | KSTL | ST LOUIS | MO (US) |
| IAP | ILS OR LOC RWY 30L | 1 KSTL | ST LOUIS | MO (US) |
| IAP | ILS OR LOC RWY 6 | 1 KSTL | ST LOUIS | MO (US) |
| IAP | ILS RWY 12L (CAT II & III) | KSTL | ST LOUIS | MO (US) |
| IAP | TACAN RWY 12R | KSTL | ST LOUIS | MO (US) |
| IAP | TACAN RWY 30L | KSTL | ST LOUIS | MO (US) |
| IAP | ILS OR LOC RWY 26L | KSUS | ST LOUIS | MO (US) |
| IAP | ILS OR LOC RWY 8R | KSUS | ST LOUIS | MO (US) |
| STAR | BUUDD (RNAV) | KBLV | BELLEVILLE | IL (US) |
| STAR | BUUDD (RNAV) | KPCS | CAHOKIA/ST LOUIS | IL (US) |
| STAR | BRADFORD | KORD | CHICAGO | IL (US) |
| STAR | SHAIN (RNAV) | KORD | CHICAGO | IL (US) |
| STAR | TRTLL (RNAV) | KORD | CHICAGO | IL (US) |
| STAR | KOOOP | KSTL | ST LOUIS | MO (US) |
| STAR | VANDALIA | KSTL | ST LOUIS | MO (US) |
| STAR | BUUDD (RNAV) | KSUS | ST LOUIS | MO (US) |
| STAR | GAILL (RNAV) | KCMH | COLUMBUS | OH (US) |
| STAR | GAILL (RNAV) | KLCK | COLUMBUS | OH (US) |
| STAR | GAILL (RNAV) | KOSU | COLUMBUS | OH (US) |
| STAR | GAILL (RNAV) | KTZR | COLUMBUS | OH (US) |
| STAR | GAILL (RNAV) | KLHQ | LANCASTER | OH (US) |
| STAR | GAILL (RNAV) | KVTA | NEWARK | OH (US) |

REQUIRED CHARTING: DP, STAR, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET NUMBER 20-ACE-26.
2. FIX USE: REMOVED V335 AND ADDED Q176.
3. FIX USE: REMOVED DP LAKES AT ALL AIRPORTS.
4. FIX USE: REMOVED IAP LOC BC RWY 11 AT KALN AND ILS RWY 11 (CAT II & III) AT KSTL.
5. CHARTING: REMOVED MILITARY IAP.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** TARA MARTINELLI

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER: