

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RADAR - STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.31**

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.

Initial approach minimum altitude(s) shall correspond with those established for en route operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when; (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach. Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when; (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

| <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>ORIGINAL/AMENDMENT</u> | <u>CITY</u> | <u>STATE</u> | | |
|--------------------------|----------------------------------|------------------------------|--------------------------------|--------------|----------------|-------------------|
| KHSV | RADAR 1 | 12 | HUNTSVILLE | AL | | |
| <u>AIRPORT ELEVATION</u> | <u>TDZE</u> | <u>SUPERSEDED</u> | <u>ORIGINAL/AMENDMENT</u> | <u>DATED</u> | <u>MAG VAR</u> | <u>EPOCH YEAR</u> |
| 629 | | RADAR 1 | 11 | 11/25/2020 | 4W | 2020 |
| <u>FACILITY</u> | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> | | | |
| HSV ASR | | 31 OCTOBER 2024 | ROUTINE | | | |

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES (*Sectors and distances measured from radar antenna*)

| <u>FROM</u> | <u>TO</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|--|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| AS ESTABLISHED BY THE CURRENT HUNTSVILLE ASR MINIMUM VECTORING ALTITUDE CHART. | | | | | | | | | | | |

MISSED APPROACH

MAP:

RWY 18L, 36R, 18R, 36L: THLD

MISSED APPROACH INSTRUCTIONS:

RWY 18L, 18R: CLIMBING LEFT TURN TO 4000 DIRECT RQZ VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

RWY 36L: CLIMB TO 1100, THEN CLIMBING RIGHT TURN TO 4000 DIRECT RQZ VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

RWY 36R: CLIMB TO 4000 ON HEADING 005 TO INTERCEPT RQZ R-234 AND RIGHT TURN DIRECT RQZ VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

NOTES:

CHART NOTE: WHEN CONTROL TOWER CLOSED, ASR NA.

CHART NOTE: CIRCLING NA FOR CAT E EAST OF RWY 18L-36R.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ASR 18L CAT E VISIBILITY TO 1 5/8 SM.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ASR 18R/36R CAT E VISIBILITY TO 1 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ASR 36L CAT E VISIBILITY TO RVR 6000.

RWY 18L/18R: 11 NM FROM THRESHOLD, MINIMUM ALTITUDE 3000.

RWY 18L: FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1760; FINAL APPROACH COURSE 185. RECOMMENDED ALTITUDE: 5 NM 2500; 4 NM 2140; 3 NM 1780. 2 NM 1420.

RWY 18R: FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1640; FINAL APPROACH COURSE 185. RECOMMENDED ALTITUDE: 4 NM 2140; 3 NM 1780; 2 NM 1420.

RWY 36L/36R: 11 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500.

RWY 36L: FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; FINAL APPROACH COURSE 005. RECOMMENDED ALTITUDE: 5 NM 2500; 4 NM 2140; 3 NM 1760; 2 NM 1400; 1 NM 1040.

RWY 36R: FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1740; FINAL APPROACH COURSE 005. RECOMMENDED ALTITUDE: 5 NM 2500; 4 NM 2120; 3 NM 1760; 2 NM 1380.

LOST COMMUNICATIONS (ALL RWYS): AS DIRECTED BY ATC ON INITIAL CONTACT.



ADDITIONAL FLIGHT DATA:

TDZE: 609 RWY: 18L TDZE: 629 RWY: 18R TDZE: 616 RWY: 36L TDZE: 595 RWY: 36R

HOLD N, RT, 183.00 INBOUND.
RWY 18L FAS OBST: 796 POLE (01-061449) 344038N/0864435W.
RWY 18R FAS OBST: 809 TOWER (01-002638) 344133N/0864704W.
RWY 36L FAS OBST: 749 TREE 343637N/0864730W.
RWY 36R FAS OBST: 761 WATER TOWER (01-058134) 343521N/0864434W.
CHART CIRCLING ICON.
CHART: 872 TOWER 344145N/0864420W, 918 TOWER 344410N/0864707W.

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, CAT E 800-2 1/2, NA WHEN CONTROL TOWER CLOSED.

| 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 | |
| ASR 18L | 1160 | 2400 | 551 | 1160 | 2400 | 551 | 1160 | 6000 | 551 | 1160 | 6000 | 551 | 1160 | 6000 | 551 | |
| ASR 18R | 1060 | 2400 | 431 | 1060 | 2400 | 431 | 1060 | 4000 | 431 | 1060 | 4000 | 431 | 1060 | 4000 | 431 | |
| ASR 36L | 1000 | 2400 | 384 | 1000 | 2400 | 384 | 1000 | 3500 | 384 | 1000 | 3500 | 384 | 1000 | 5000 | 384 | |
| ASR 36R | 1020 | 2400 | 425 | 1020 | 2400 | 425 | 1020 | 4000 | 425 | 1020 | 4000 | 425 | 1020 | 4000 | 425 | |
| CIRCLING | 1160 | 1 | 531 | 1160 | 1 | 531 | 1200 | 1 5/8 | 571 | 1340 | 2 1/4 | 711 | 1340 | 2 1/2 | 711 | |

CHANGES - REASONS:

1. RWY 36R MISSED APPROACH INSTRUCTIONS UPDATE: CHANGED MA INSTRUCTION FROM "CLIMBING RIGHT TURN TO 4000 DIRECT RQZ VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000" TO "CLIMB TO 4000 ON HEADING 005 TO INTERCEPT RQZ R-234 THEN RIGHT TURN DIRECT RQZ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000" - PER FPT CHECKLIST. ALLOW FOR IFR SEPARATION REQUIREMENTS FOR SEPARATION FROM RESTRICTED AREAS. MIRRORS KHSV ILS OR LOC RWY 36R MISSED APPROACH.
2. RWY 36R NOTES UPDATE: CHANGED NOTES FROM "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1760; FINAL APPROACH COURSE 005. RECOMMENDED ALTITUDE: 4 NM 2140; 3 NM 1760; 2 NM 1400; 1 NM 1040" TO "RWY 36R: FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1740; FINAL APPROACH COURSE 005. RECOMMENDED ALTITUDE: 5 NM 2500; 4 NM 2120; 3 NM 1760; 2 NM 1380" - PER CURRENT TARGET RESULTS.
3. CHANGED NOTES FROM RWY 36L/36R: 10 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500" TO "RWY 36L/36R: 11 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500" - PER TARGET RESULTS. RWY 36R LENGTH OF INTERMEDIATE LEG FROM THRESHOLD CHANGED FROM 9.97 NM TO 10.97 NM. RWY 36L LENGTH OF INTERMEDIATE LEG FROM THRESHOLD CHANGED FROM 10 NM TO 11.10 NM.
4. ADDITIONAL FLIGHT DATA UPDATE: CHANGED RWY 36R FAS OBST FROM 761 WATER TOWER 343521N/0864434W TO 761 WATER TOWER (01-058134) 343521N/0864434W - ADDED OBSTACLE ID PER CURRENT CRITERIA.
5. RWY 36L NOTES UPDATE: CHANGED FROM "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; FINAL APPROACH COURSE 005. RECOMMENDED ALTITUDE: 4 NM 2140; 3 NM 1760; 2 NM 1400; 1 NM 1040" TO "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; FINAL APPROACH COURSE 005. RECOMMENDED ALTITUDE: 5 NM 2500; 4 NM 2140; 3 NM 1760; 2 NM 1400; 1 NM 1040"- PER CURRENT TARGETS RESULTS.
6. CHANGED NOTES FROM "RWY 18L/18R: 10 NM FROM THRESHOLD, MINIMUM ALTITUDE 3000; MINIMUM ALTITUDE 7 NM FIX 3000" TO "RWY 18L/18R: 11 NM FROM THRESHOLD, MINIMUM ALTITUDE 3000" - PER CURRENT TARGETS RESULTS. RWY 18L/18R LENGTH OF INTERMEDIATE LEG FROM THRESHOLD CHANGED FROM 10 NM TO 11 NM.
7. RWY 18R NOTES UPDATE: CHANGED NOTES FROM "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1780; FINAL APPROACH COURSE 185. RECOMMENDED ALTITUDE: 4 NM 2140; 3 NM 1780; 2 NM 1420" TO "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1640; FINAL APPROACH COURSE 185. RECOMMENDED ALTITUDE: 4 NM 2140; 3 NM 1780; 2 NM 1420" - PER CURRENT TARGET RESULTS.
8. ADDITIONAL FLIGHT DATA UPDATE: CHANGED RWY 18L/18R FAS OBST FROM "809 TOWER 344133N/0864704W" TO "809 TOWER (01-002638) 344133N/0864704W" - ADDED OBSTACLE ID PER CURRENT CRITERIA.
9. RWY 18L NOTES UPDATE: CHANGED CHART NOTES FROM "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1760; FINAL APPROACH COURSE 185. RECOMMENDED ALTITUDE: 4 NM 2140; 3 NM 1760; 2 NM 1420" TO "FAF 5 NM FROM THRESHOLD, MINIMUM ALTITUDE 2500; MINIMUM ALTITUDE 3 NM FIX 1760; FINAL APPROACH COURSE 185. RECOMMENDED ALTITUDE: 5 NM 2500; 4 NM 2140; 3 NM 1780. 2 NM 1420" - PER CURRENT TARGETS RESULTS.
10. ADDITIONAL FLIGHT DATA UPDATE: CHANGED CHART FROM "860 TOWER 344146N/0864419W, 809 TOWER 344133N/0894704W, 880 AAO 343224N/0864709W" TO "872 TOWER 344145N/0864420W, 918 TOWER 344410N/0864707W" - NEW OBSTACLE EVALUATION UPDATE.

8/13/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 8/12/2024.

1. ADDED RADAR 1 TO SUPERSEDED.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZME, HSV APP CON, HSV ATCT, AMGR

FLIGHT CHECKED BY
WILLIAM M YINGLING

Digitally signed by
ROBERT G HAMILTON

OFFICE
FPO

DATE
08/10/2024

DEVELOPED BY
KWEKU DONKOR

Digitally signed by
KWEKU DONKOR
Jun 12, 2024

OFFICE
AJV-A433

DATE
6/10/2024

APPROVED BY
BEV BRODY

Digitally signed by
ROBERT G HAMILTON
Aug 12, 2024

OFFICE
AJV-A430

DATE

TITLE
MANAGER

