

**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>                    |                                  | <u>AIRPORT ID</u>            | <u>PROCEDURE NAME</u>          | <u>ORIGINAL/AMENDMENT</u> | <u>CITY</u>    | <u>STATE</u>      |
| HARTSFIELD - JACKSON ATLANTA INTL |                                  | KATL                         | RNAV (GPS) RWY 09L             | 4C                        | ATLANTA        | GA                |
| <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SUPERSEDED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> |
| 1026                              | 1019                             | RNAV (GPS) RWY 09L           | 4B                             | 10/12/2017                | 5W             | 2015              |
| <u>FACILITY</u>                   | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> | <u>CANCEL/SUSPEND</u>     |                |                   |
| RNAV                              |                                  | 12 SEPTEMBER 2019            | ROUTINE                        |                           |                |                   |

**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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| RYENN       | IAF             | AAKAY     |                 | TF              | FB           | 1.00       | 094.76        | 3.50            | 6000            |
| AAKAY       |                 | ARRBE     |                 | TF              | FB           | 1.00       | 094.80        | 3.70            | 5000            |
| ARRBE       | IF              | HRDEY     |                 | TF              | FB           | 1.00       | 094.84        | 3.47            | 4000            |
| HRDEY       |                 | VINII     |                 | TF              | FB           | 1.00       | 094.88        | 5.03            | 2700            |
| VINII       | FAF             | RW09L     | MAP             | TF              | FO           | 0.30       | 094.94        | 5.10            |                 |
| RW09L       | MAP             | 1359 MSL  |                 | CA              |              |            | 094.94        |                 |                 |
| 1359 MSL    |                 | LEADR     |                 | DF              | FB           | 1.00       |               |                 |                 |
| LEADR       |                 | CONNI     |                 | TF              | FO           | 1.00       | 092.21        | 25.74           | 4000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW09L

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT LEADR AND ON TRACK 092.21 TO CONNI AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT RYENN

3. FAC: 094.94      FAF: VINII      DIST FAF TO MAP: 5.10      DIST FAF TO THLD: 5.10

4. MIN ALT: RYENN 7000, AAKAY 6000, ARRBE 5000, HRDEY 4000, VINII 2700

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      340 HAT: 0.89      GS ANT:

6. MIN GP INCPT: 2700      GP ALT AT FAF : VINII 2700      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 56.0

8. MSA FROM: RW09L 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: RWY 9L HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 8L OR 8R OR 10, OR RWY 8L AND 10.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, LNAV CAT A/B TO RVR 5500, AND CAT C/D TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART APPROACH TRANSITION FROM AAKAY.  
CHART VDP AT 1.22 NM TO RW09L\*  
\*LNAV ONLY  
WAAS CHANNEL #62800  
REFERENCE PATH ID: W09D  
CHART FAS OBST: 1219 TOWER 333747N/0842909W.  
HOLD E, LT, 272.01 INBOUND  
LTP HAE: 281.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

| 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       | 1359   | 4000 | 340     | 1359   | 4000 | 340     | 1359   | 4000 | 340     | 1359   | 4000 | 340     |        |     |         |
| LNAV/VNAV DA | 1405   | 4000 | 386     | 1405   | 4000 | 386     | 1405   | 4000 | 386     | 1405   | 4000 | 386     |        |     |         |
| LNAV MDA     | 1480   | 4000 | 461     | 1480   | 4000 | 461     | 1480   | 5000 | 461     | 1480   | 5000 | 461     |        |     |         |



CHANGES - REASONS

AMDT 4A:  
DELETED NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS - INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS. RVR 2400 DOES NOT REQUIRE THE NOTE.

AMDT 4B:  
1. CHART \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA - IAW MEMO FROM AFS-400 AUTHORIZING 1800 RVR FOR LPV AND GLS APPROACH PROCEDURES.  
2. CHANGE LPV DA TO LPV DA\*\* - IAW MEMO FROM AFS-400 AUTHORIZING 1800 RVR FOR LPV AND GLS APPROACH PROCEDURES.

AMDT 4C:  
1. CHANGED LPV FROM DA 1219/HAT 200 TO DA 1359/HAT 340 VIS FROM RVR 2400 TO RVR 4000 DUE TO LPV PENETRATOR 1129 FT MSL ELEVATOR (13-002840) (AC 1A) 333806.94N/0842739.25W PENETRATES BY 0.04 FT WHICH RAISES HAT TO 263, THEN BECOMES A MISSED PENETRATION WHICH RAISES THE HAT TO 340.  
2. DELETED FOR INOPERATIVE MALSR NOTE. NEW INOPERATIVE ALS NOTE FOR NEW LPV MINIMUMS AND REVISED .3B VISIBILITY TABLES.  
3. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, LNAV CAT A/B TO RVR 5500, AND CAT C/D TO 1 3/8 SM. NEW INOPERATIVE ALS NOTE PER .3B VISIBILITY TABLES.  
4. DELETE NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. NOT APPLICABLE TO HAT OF 340.  
5. ADDED PBN NOTE: RNP APCH IAW 8260.19H PARA 8-6-8B(1).  
6. CHANGED FINAL TITLE FROM LPV\*\* TO LPV - THE NOTE REF THE RVR 1800 NO LONGER APPLIES WITH LPV HAT OF 340.  
7. DELETED PLANVIEW NOTE: RADAR REQUIRED - PER .19H PARA 8-6-9G NOTE.  
8. CHANGED LINE 5 200 HAT: 0.45 TO 340 HAT: 0.89 - LPV HAT INCREASE REF FINAL/MA OBSTACLE.  
9. LINE 7 ADDED 20:1 IS CLEAR - REVISED CRITERIA.  
10. ADDED RWY 9L TO HELICOPTER NOTE - REVISED CRITERIA.  
11. DELETED NOTE: DME/DME RNP-0.3 NA - REVISED CRITERIA.  
12. DELETED FAHRENHEIT LOW/HIGH TEMPS FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS NOTE - REVISED CRITERIA.  
13. FAS DATA BLOCK INFORMATION CHANGED FPAP LAT/LONG FROM 333804.9300N/0842426.1580W TO 333804.9295N/0842426.1455W AND VERTICAL ALERT LIMIT (VAL) FROM 35 TO 50 AND CRC REMAINDER FROM E01770FD TO BA94536C - FPAP TARGETS DERIVED AND VAL REF LPV HAT INCREASED FROM 200 TO 340.  
14. CHANGED TERMINAL ROUTES "ARRBE TO HRDEY" AND "HRDEY TO VINII" RNP VALUE FROM 0.50 TO 1.00 - REVISED CRITERIA.  
15. CHANGED TERMINAL ROUTE "RW09L TO 1219 MSL" TO "RW09L TO 1359 MSL" AND TERMINAL ROUTE "1219 MSL TO LEADR" TO "1359 MSL TO LEADR" - LPV DA INCREASE.  
16. ADDED (VGSI ANGLE {ANGLE}/TCH {FEET}) TO VGSI NON COINCIDENT NOTE - REVISED CRITERIA.  
17. TERMINAL ROUTE 1359 MSL TO LEADR ADDED RNP VALUE 1.00 - REVISED CRITERIA.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZTL, ATL APP CON, ATL ATCT, AIRPORT MANAGER

FLIGHT CHECKED BY  
JEFFREY ECKMAN

Digitally signed by  
MARK D ADAMS

OFFICE  
FICO

DATE  
6/4/19

DEVELOPED BY  
GEORGE H. TRAMMELL

Jun 07, 2019  
Digitally signed by  
GEORGE H TRAMMELL  
May 10, 2019

OFFICE  
AJV-A412

DATE  
04/02/2019

APPROVED BY  
JULIE MORGAN

Digitally signed by  
MARK D ADAMS  
Jun 07, 2019

OFFICE  
AJV-A410

DATE

TITLE  
MANAGER



**FAS DATA BLOCK INFORMATION**

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|--|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KATL          |
| RUNWAY                                   | RW09L         |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W09D          |
| LTP/FTP LATITUDE                         | 333804.9360N  |
| LTP/FTP LONGITUDE                        | 0842652.6805W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +02811        |
| FPAP LATITUDE                            | 333804.9295N  |
| FPAP LONGITUDE                           | 0842426.1455W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00056.0       |
| 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)               | 50.0          |
| CRC REMAINDER                            | BA94536C      |

**ADDITIONAL PATH POINT RECORD INFORMATION**

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K7     |
| LTP ORTHOMETRIC HEIGHT  | +03105 |
| FPAP ORTHOMETRIC HEIGHT | +03105 |

