

**FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 ILS STANDARD INSTRUMENT APPROACH PROCEDURE
 TITLE 14 CFR PART 97.29**

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> KATL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 27R	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> ATLANTA	<u>STATE</u> GA		
<u>AIRPORT ELEVATION</u> 1026	<u>TDZE</u> 27R 985 27L 999	<u>SUPERSEDED</u> ILS OR LOC RWY 27R	<u>ORIGINAL/AMENDMENT</u> 7	<u>DATED</u> 08/12/2021	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-AFA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 04/20/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
YOUYU/RADAR	IAF	MMCAP/GSU 17.64 DME/RADAR					275.02	3.45 (I-AFA)	6000
MMCAP/GSU 17.64 DME/RADAR		MAASN/GSU 14.18 DME/RADAR					275.02	3.46 (I-AFA)	5000
MAASN/GSU 14.18 DME/RADAR	IF	MRCER/GSU 10.42 DME/RADAR					275.02	3.76 (I-AFA)	4000
MRCER/GSU 10.42 DME/RADAR		OSTRR/GSU 5.40 DME/RADAR					275.02	5.03 (I-AFA)	2700

MISSED APPROACH

MAP:

ILS: DA
 LOC: 5.23 NM AFTER OSTRR/GSU 5.40 DME/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 265 AND RMG VORTAC R-165 TO DUTIE/RMG 31.29 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. PROFILE STARTS AT YOUYU
- 3. **FAC:** 275.02 **FAF:** OSTRR/GSU 5.40 DME/RADAR **DIST FAF TO MAP:** 5.23 **DIST FAF TO THLD:** 5.23
- 4. **MIN ALT:** YOUYU/RADAR 7000, MMCAP/GSU 17.64 DME/RADAR 6000, MAASN/GSU 14.18 DME/RADAR 5000, MRCER/GSU 10.42 DME/RADAR 4000, OSTRR/GSU 5.40 DME/RADAR 2700
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1020
- 6. **MIN GS INCPT:** 2700 **GS ALT AT PFAF :** OSTRR/GSU 5.40 DME/RADAR 2700 **OM:** **MM:** **IM:**
- 7. **GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 55.8
- 8. **MSA FROM:** ARP KATL 3100

EQUIPMENT REQUIREMENTS NOTE:

DME AND RADAR REQUIRED.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 27R ALL CATS.
 CHART NOTE: DME FROM GSU DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-AFA AND GSU DME.

ADDITIONAL FLIGHT DATA:

CODE APPROACH TRANSITION FROM MMCAP.
 HOLD S, LT, 345.00 INBOUND.
 FAS OBST: 1160 AAO 333740N/0841951W.
 CHART 1195 TOWER 333739N/0841741W.
 CHART VDP AT 1.32 DME.
 DISTANCE VDP TO THLD 1.16 NM.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD

CATEGORY:	A			B			C			D			E		
	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
S-ILS 27R	1185	4000	200	1185	4000	200	1185	4000	200	1185	4000	200			
S-LOC 27R	1420	4000	435	1420	4000	435	1420	5000	435	1420	5000	435			
SIDESTEP 27L	1420	5500	421	1420	5500	421	1420	5500	421	1420	1 1/2	421			



CHANGES - REASONS

1. CHANGED ALL REFERENCES FROM "MMCAP/ATL 18.79 DME/RADAR" TO "MMCAP/GSU 17.64 DME/RADAR" - ATL DME DECOMMISSIONED AND GSU DME INSTALLED.
2. CHANGED ALL REFERENCES FROM "MAASN/ATL 15.34 DME/RADAR" TO "MAASN/GSU 14.18 DME/RADAR" - ATL DME DECOMMISSIONED AND GSU DME INSTALLED.
3. CHANGED ALL REFERENCES FROM "MRCER/ATL 11.58 DME/RADAR" TO "MRCER/GSU 10.42 DME/RADAR" - ATL DME DECOMMISSIONED AND GSU DME INSTALLED.
4. CHANGED ALL REFERENCES FROM "OSTRR/ATL 6.55 DME/RADAR" TO "OSTRR/GSU 5.40 DME/RADAR" - ATL DME DECOMMISSIONED AND GSU DME INSTALLED.
5. CHANGED VDP FROM "CHART VDP AT ATL 2.50 DME" TO "CHART VDP AT 1.32 DME" - DME SOURCE CHANGED FROM ATL DME TO GSU DME AND RELOCATED.
6. ADDED TO ADDITIONAL FLIGHT DATA: CHART 1195 TOWER 333739N/0841741W - IAW 8260.19I, PARA 8-6-10 D AND E.
7. DELETED EQUIPMENT REQUIREMENTS NOTES: "RADAR REQUIRED FOR PROCEDURE ENTRY" AND "DME OR RADAR REQUIRED" AND ADDED NOTE "DME AND RADAR REQUIRED" - IAW 8260.19 PARA 8-6-8 A.
8. DELETED CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 27R CATS A AND B VISIBILITY TO RVR 5500 - INOPERATIVE TABLE PROVIDES SUFFICIENT INCREASE TO MINIMUMS.
9. ADDED CHART NOTE: DME FROM GSU DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-AFA AND GSU DME - NON-PAIRED DME FACILITY AND IAW 8260.19 PARA 8-6-9 K.
10. UPDATED FAS OBSTACLE LAT/LONGS FROM "1160 AAO 333743N/0842014W" TO "1160 AAO 333740N/0841951W - NEW MAP STUDY.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
OTHER: ZTL, ATL APP CON, AMGR, ATLANTA ATCT

FLIGHT CHECKED BY
PENDING

ERIC N SUSKI

Jan 30, 2023
Digitally signed by

OFFICE

DATE

DEVELOPED BY
FRANK JACKSON JR

FRANK JACKSON

Jan 26, 2023

OFFICE

AJV-A431

DATE

09/02/2022

APPROVED BY
JOHNNIE BAKER

Digitally signed by

ERIC N SUSKI

Jan 27, 2023

OFFICE

AJV-A430

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> KATL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 27R	<u>AMDT NO.</u> 8	<u>CITY</u> ATLANTA	<u>STATE</u> GA	<u>AIRPORT ELEVATION</u> 1026	<u>FACILITY</u> I-AFA
---------------------------	---	----------------------	------------------------	--------------------	----------------------------------	--------------------------

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM YOUYU/RADAR **TO** MMCAP/GSU 17.64 DME/RADAR

RNP DISTANCE PAT MAP HAT HMAS
 3.45

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (13-003664)	333856.00N/0835842.00W	1356	250	50	4D	1000				AT3644	6000
TERRAIN	334036.00N/0840333.00W	935 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM MMCAP/GSU 17.64 DME/RADAR **TO** MAASN/GSU 14.18 DME/RADAR

RNP DISTANCE PAT MAP HAT HMAS
 3.46

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (13-001958)	333751.00N/0840454.00W	1422	50	20	2C	1000				AT2578	5000
TERRAIN	334115.00N/0840706.00W	1026 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

MAASN/GSU 14.18 DME/RADAR

TO

MRCER/GSU 10.42 DME/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.76				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	334115.00N/0840709.00W	1224	164	98	4E	500				AC98 AT2178	4000
TERRAIN	334015.00N/0840833.00W	954 (1000)								AS1500	2500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

MRCER/GSU 10.42 DME/RADAR

TO

OSTRR/GSU 5.40 DME/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	5.03				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (13-001800)	333739.37N/0841740.57W	1195	20	3	1A	500				AT1005	2700
TERRAIN	333836.00N/0841542.00W	967 (1000)								AS1500	2500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT REMARKS:



AIRPORT ID
KATL

PROCEDURE NAME
ILS OR LOC RWY 27R

AMDT NO.
8

CITY
ATLANTA

STATE
GA

AIRPORT ELEVATION
1026

FACILITY
I-AFA

MISSED APPROACH : LOC

FROM
5.23 NM AFTER OSTRR/GSU 5.40 DME/RADAR

TO
DUTIE/RMG 31.29 DME/RADAR

RNP DISTANCE PAT MAP HAT HMAS
1170

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
TOWER (13-001534)	333627.00N/0845412.00W	1966	50	20	2C	1000					3000
TERRAIN	333624.00N/0845518.00W	1312 (1300)								AS1500	2800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

MSA

CENTER RADIUS
ARP KATL 25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TOWER (13-000006)	334751.00N/0842002.00W	031	10.7	2049	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PER FPT REQUEST, THE MISSED APPROACH WAS DEVELOPED WITH A 26 NM DEAD RECKONING SEGMENT (265 MAGNETIC) TO INTERCEPT THE RMG R-165. TO ACCOUNT FOR DRIFT WITHIN THIS SEGMENT, THE OBSTACLE EVALUATION AREA WAS EVALUATED WITH A CONTINUOUSLY EXPANDING 15 DEG SPLAY EACH SIDE OF THE 265 HEADING COURSE UNTIL INTERSECTION WITH THE RMG R-165.

MMCAP CODED AS AN APPROACH TRANSITION FOR FMS CONTINUITY.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZTL ARTCC, ATL APP CON, ATL TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KATL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KATL	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

BACK-UP ALTIMETER NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.

<u>PRIMARY NAVAID</u> I-AFA	<u>MONITOR POINT</u> KATL ATCT	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
--------------------------------	-----------------------------------	----------------------------	-----------------

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08L - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW08R - HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW09L - HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW09R - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW10 - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW26L - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW26R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW27L - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW27R - MALS, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW28 - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 978.2	<u>TCH</u> 55.8	<u>ELEV GS ANTENNA</u> 977.7	<u>DISTANCE FROM RWY</u> 1020	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 72.2
---------------------------------	------------------------------------	--------------------	---------------------------------	----------------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	DISPLACED THRESHOLD DISTANCE 500



AIRPORT ID
KATL

PROCEDURE NAME
ILS OR LOC RWY 27R

AMDT NO.
8

CITY
ATLANTA

STATE
GA

AIRPORT ELEVATION
1026

FACILITY
I-AFA

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION HEIGHT USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1195 TOWER (13-001800) 333739.37N/0841740.57W.



AIRPORT ID
KATL

PROCEDURE NAME
ILS OR LOC RWY 27R

AMDT NO.
8

CITY
ATLANTA

STATE
GA

AIRPORT ELEVATION
1026

FACILITY
I-AFA

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.03
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.88
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	270.02
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	4.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.26
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	270.02
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1000

**THRESHOLD
COORDINATES
(IF STR-IN)** 333804.93N/0842432.07W

ARP COORDINATES 333812.12N/0842540.31W

**RUNWAY APCH END
AND DIST FURTHEST
FROM ARP** RUNWAY 10 DISTANCE 1.40 NM

**FAF
COORDINATES** 333804.66N/0841816.13W

**FIX NAME
COORDINATES**

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 500FT, ACTUAL COORDINATES: 333804.93N/0842426.16W.



AIRPORT ID
KATL

PROCEDURE NAME
ILS OR LOC RWY 27R

AMDT NO.
8

CITY
ATLANTA

STATE
GA

AIRPORT ELEVATION
1026

FACILITY
I-AFA

PART E: PREPARED BY

NAME
FRANK JACKSON JR

OFFICE
AJV-A431

DATE
09/02/2022

TITLE
AERONAUTICAL INFORMATION SPECIALIST

