

**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> KMIA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 9	<u>ORIGINAL/AMENDMENT</u> 11A	<u>CITY</u> MIAMI	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 9	<u>TDZE</u> 8	<u>SUPERSEDED</u> ILS OR LOC RWY 9	<u>ORIGINAL/AMENDMENT</u> 11	<u>DATED</u> 05/19/2022	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-BUL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 29 DECEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**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>
LLEGG/I-BUL 16.13 DME/RADAR	IAF	GRITT/I-BUL 11.36 DME/RADAR					092.37	4.78 (I-BUL)	3000
GRITT/I-BUL 11.36 DME/RADAR	IF	INESS/I-BUL 6.64 DME/RADAR					092.37	4.72 (I-BUL)	1500

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: 4.51 NM AFTER INESS/6.64 DME/RADAR OR AT I-BUL LOC/DME 2.13 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VKZ VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON DHP VORTAC R-109 TO ZOMGU/DHP 10.90 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. (DME REQUIRED)

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT LLEGG
- FAC: 092.37 FAF: INESS/I-BUL 6.64 DME/RADAR DIST FAF TO MAP: 4.51 DIST FAF TO THLD: 4.51
- MIN ALT: LLEGG/I-BUL 16.13 DME/RADAR 4000, GRITT/I-BUL 11.36 DME/RADAR 3000, INESS/I-BUL 6.64 DME/RADAR 1500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1071
- MIN GS INCPT: 1500 GS ALT AT PFAF: INESS/I-BUL 6.64 DME/RADAR 1500 OM: MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 56.0
- MSA FROM: DHP VORTAC 090-270 2900, 270-090 2100

QUALITY  
10  
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.  
DME REQUIRED FOR LOC ONLY.

NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: CAUTION: LIGHTS ON HIGHWAY 1/4 MILE SOUTH OF FINAL APPROACH COURSE MAY BE MISTAKEN FOR RUNWAY.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT C/D VISIBILITY TO 1 3/8 SM.  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 300.00 INBOUND.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ZOMGU/DHP 10.90 DME, LT, 289.22 INBOUND.  
FAS OBST: 214 AAO 254706N/0802247W.  
CHART VDP AT 3.38 DME  
DISTANCE VDP TO THLD 1.25 NM.  
CHART IN PLANVIEW: ZOMGU/DHP 10.90 DME.  
CHART MANDATORY 4000 AT LLEGG.

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: 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
S-ILS 09**	208	2400	200	208	2400	200	208	2400	200	208	2400	200	208	2400	200
S-LOC 09	480	2400	472	480	2400	472	480	5000	472	480	5000	472		NA	

CHANGES - REASONS

CHANGE NOTE FROM "CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA." TO "CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR HUD TO DA." - IAW 8260.19I 8-6-11.  
IN PROFILE, REMOVED DUPLICATE "GRITT/I-BUL 11.36 DME/RADAR 3000" FROM MIN ALT.  
IN PROFILE, CHANGED PROFILE STARTS AT FROM "GRITT" TO "LLEGG".

COORDINATED WITH:

A4A ☐ ALPA ☐ AOPA ☐ APA ☐ HAI ☐ NBAA ☐ OTHER:

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

STEVEN M. BARNETT (TEVAR MALONE)

APPROVED BY

JOHNNIE BAKER

*Digitally signed by*  
**DAVID TEFFETELLER**  
*Digitally signed by*  
**DAVID TEFFETELLER**  
Aug 17, 2022

**OFFICE** *Digitally signed by* **DATE**  
**DAVID TEFFETELLER**  
Aug 17, 2022

**OFFICE** **DATE**  
AJV-A433  
**OFFICE** **DATE**  
AJV-A430 12/29/2022

**TITLE**  
MANAGER



**AIRPORT ID**  
KMIA

**PROCEDURE NAME**  
ILS OR LOC RWY 9

**ORIGINAL/AMENDMENT**  
11A

**CITY**  
MIAMI

**STATE**  
FL

