

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</u> MIAMI INTL	<u>AIRPORT ID</u> KMIA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 9	<u>ORIGINAL/AMENDMENT</u> 10B	<u>CITY</u> MIAMI	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 9	<u>TDZE</u> 7	<u>SUPERSEDED</u> ILS OR LOC RWY 9	<u>ORIGINAL/AMENDMENT</u> 10A	<u>DATED</u> 03/30/2017	<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>	<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>
GRITT/I-BUL 11.11 DME/RADAR	IF	INESS/I-BUL 6.12 DME/RADAR					092.38	4.99 (I-BUL)	1500

MISSED APPROACH

MAP:

ILS: DA

LOC: 3.99 NM AFTER INESS/I-BUL 6.12 DME/RADAR OR AT I-BUL 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 GRITT
- 3. FAC:** 092.38 **FAF:** INESS/I-BUL 6.12 DME/RADAR **DIST FAF TO MAP:** 3.99 **DIST FAF TO THLD:** 3.99
- 4. MIN ALT:** GRITT/I-BUL 11.11 DME/RADAR 3000, INESS/I-BUL 6.12 DME/RADAR 1500
- 5. DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1071
- 6. MIN GS INCPT:** 1500 **GS ALT AT FAF :** **OM:** **MM:** **IM:**
- 7. GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 56.0
- 8. MSA FROM:** DHP VORTAC 090-270 2900, 270-090 2100

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 AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: ZOMGU/DHP 10.90 DME
CHART VDP AT 3.38 DME*
DISTANCE VDP TO THLD 1.25 NM
* LOC ONLY
FAS OBST: 214 AAO 254700N/0802233W.
CHART 271 TOWER 254623N/0802513W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ZOMGU/DHP 10.90 DME, LT, 289.22 INBOUND.
HOLD SE, LT, 300.00 INBOUND

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**	207	2400	200	207	2400	200	207	2400	200	207	2400	200	207	2400	200
S-LOC 09	480	2400	473	480	2400	473	480	5000	473	480	5000	473		NA	

CHANGES - REASONS

1. REMOVED ALL REFERNCES TO INESS OM AND REPLACED WITH INESS. - INESS OM BEING DECOMMISSIONED.
2. ADDED EQUIPMENT REQUIREMENTS NOTE - REQUIRMENT AS PER 8260-19H PARA 8-6-8.

10/16/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/11/2018.
1. DELETED S-LOC 09 CAT E MINIMUMS - CAT E MINIMUMS DO NOT APPLY.
2. CHANGED INOPERATIVE TABLE NOTE FROM "FOR INOPERATIVE ALS, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT C/D/E VISIBILITY TO 1 3/8 SM" TO "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" - S-LOC 09 CAT E MINIMUMS REMOVED.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZMA, MIA ATCT, MIA AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

LONNIE EVERHART (JOSHUA DUGAN)

APPROVED BY

LONNIE EVERHART

OFFICE

AJV-5400

OFFICE

AJV-5400

DATE

08/29/2018

DATE

Oct 16, 2018

Digitally signed by

ROBERT G HAMILTON

Oct 16, 2018

Digitally signed by

ROBERT G HAMILTON

Oct 16, 2018

TITLE

MANAGER



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

<u>AIRPORT</u> MIAMI INTL	<u>AIRPORT ID</u> KMIA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 9	<u>AMDT NO.</u> 10B	<u>CITY</u> MIAMI	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 9	<u>FACILITY</u> I-BUL
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

<u>FROM</u> GRITT/I-BUL 11.11 DME/RADAR	<u>TO</u> INESS/I-BUL 6.12 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 4.99	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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>
1.TOWER (12-000221)	254624.36N/0802516.20W	549	250	50	4D	500					1100
2.TERRAIN	254627.00N/0802520.00W	10 (0)								AS1500	1500

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>
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SEGMENT
REMARKS:

FINAL: ILS

<u>FROM</u> GP INTCP	<u>TO</u> DA
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<u>RNP</u>	<u>DISTANCE</u> 4.51	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200	<u>HMAS</u>
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<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				207

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>
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SEGMENT
REMARKS:



<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>
3.AAO	254700.00N/0802233.00W	214	50	20	2C	250					480

RF CENTER FIX/DISTANCE[illegible]RF CENTER FIX/DISTANCE

REMARKS:

MISSED APPROACH : LOC

FROM
3.99 NM AFTER INESS/I-BUL 6.12 DME/RADAR OR AT I-BUL 2.13 DME

TO
VKZ VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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				3000
4.BLDG (12-026968)	254641.23N/0801102.87W		1049	20	3	1A	1000					2100
5.TERRAIN	254503.00N/0801230.00W		20 (0)								AS1500	1500

COMPUTATIONS

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

MISSED APPROACH ALTERNATE : ILS

FROM
DA

TO
ZOMGU/DHP 10.90 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
39												
<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				3000
4.BLDG (12-026968)	254641.23N/0801102.87W		1049	20	3	1A	1000					2100
5.TERRAIN	254503.00N/0801230.00W		20 (0)								AS1500	1500

COMPUTATIONS

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



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QUALITY
41
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"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CLASS B AIRSPACE

NO ADDITIONAL AIRSPACE REQUIRED.



<u>AIRPORT</u> MIAMI INTL	<u>AIRPORT ID</u> KMIA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 9	<u>AMDT NO.</u> 10B	<u>CITY</u> MIAMI	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 9	<u>FACILITY</u> I-BUL
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PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART (JOSHUA DUGAN)	AJV-5400	08/29/2018	AERONAUTICAL INFORMATION SPECIALIST

QUALITY
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FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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