

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 ID</u> KMIA	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 12	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> MIAMI	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 9	<u>TDZE</u> 9	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 12	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/18/2008	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 MARCH 2023	<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>
WORPP	IAF	GLRIA		TF	FB	1.00	090.50	23.25	3000
FOGSO	IAF	GLRIA		TF	FB	1.00	035.51	20.36	3000
GLRIA	IF	PIANA		TF	FB	1.00	124.35	6.00	3000
PIANA		VEPCO		TF	FB	1.00	124.35	3.14	2000
VEPCO	FAF	RW12	MAP	TF	FO	0.30	124.42	5.98	
RW12	MAP	391 MSL		CA			124.42		
391 MSL		VAYQO		DF	FO	1.00			
VAYQO		VKZ VOR/DME		TF	FO	1.00	109.11	5.56	3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT VAYQO AND ON 109.11 TRACK TO VKZ VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT GLRIA

3. FAF: 124.42

FAF: VEPCO

DIST FAF TO MAP: 5.98

DIST FAF TO THLD: 5.98

4. MIN ALT: GLRIA 3000, PIANA 3000, VEPCO 2000

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

382 HAT: 1.02

GS ANT:

6. MIN GP INCPT: 2000

GP ALT AT PFAF : VEPCO 2000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 56.4

8. MSA FROM: RW12 2900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 9°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WORPP ON V35 NORTHWEST BOUND AND V529 NORTH BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FOGSO ON V157 SOUTHWEST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 6000, LNAV/VNAV ALL CATS TO 1 3/8 AND LNAV CAT A/B TO 5500.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 300.00 INBOUND.
CHART FAS OBST: 341 CONTROL_TOWER (12-004969) 254737N/0801759W.
CHART VDP AT 1.62 NM TO RW12.
WAAS CHANNEL # 61204
REFERENCE PATH ID: W12A
LTP HAE: -22.4 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	391	4000	382	391	4000	382	391	4000	382	391	4000	382			
LNAV/VNAV DA	512	5500	503	512	5500	503	512	5500	503	512	5500	503			
LNAV MDA	600	4000	591	600	4000	591	600	1 1/4	591	600	1 1/4	591			



CHANGES - REASONS

- TDZE CHANGED FROM 8 TO 9 - UPDATED AIRNAV DATA.
- LPV DA UPDATED FROM 390 TO 391 - TDZE UPDATED.
- RAISED LNAV CAT C/D VISIBILITY FROM RVR 5000 TO 1 1/4 - 8260.3E CALCULATIONS.
- TCH UPDATED FROM 55.6 TO 56.4 - AIRNAV DATA UPDATED.
- ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - 8260.19I.
- ADDED RNP APCH - GPS TO PBN REQUIREMENTS NOTE - 8260.19I.
- REMOVED CHART NOTE: DME/DME RNP-0.3 NA FROM NOTES - 8260.19I.
- CHANGED HELICOPTER VISIBILITY NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA." TO "RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 8260.19I.
- CHANGED UNCOMENSATED BARO-VNAV NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 49°C (120°F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 9°C OR ABOVE 54°C." - 8260.19I.
- CHANGED INOPERATIVE NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV DA AU CATS VISIBILITY TO 11/4, INCREASE LNAV MDA CATS A AND B VISIBILITY TO RVR 5000." TO "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 6000, LNAV/VNAV ALL CATS TO 1 3/8 AND LNAV CAT A/B TO 5500." 8260.19I
- CHANGED FAS OBST FROM "341 CTRL TWR 254737N/0801759W, 147 BLDG 254839N/0801845W." TO "341 CONTROL_TOWER (12-004969) 254737N/0801759W." LNAV/VNAV CONTROLLER NO LONGER DOCUMENTED AS A FAS OBST.
- RAISED LNAV/VNAV DA/HAT FROM 506/498 TO 512/503 - INCORPORATE NOTAM FDC 1/8406 FOR NEW CONTROLLING OBSTACLE.
- LOWERED LNAV/VNAV VISIBILITY FROM "6000" TO "5500" - 8260.3E CALCULATIONS.
- CRC RAMAINDER CHANGED FROM "7E6335A0" TO "28A9B1BB" - LTP/FTP LATITUDE/LONGITUDE CHANGED FROM "254757.4300N/0801808.2500W" TO "254757.4260N/0801808.2435W", FPAP LATTITUDE/LONGITUDE CHANGED FROM "254711.8500N/0801639.1400W" TO "254711.8240N/0801639.0835W", LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "-00226" TO "-00224".

COORDINATED WITH:

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

FLIGHT CHECKED BY

KEVIN RIESE

Digitally signed by

JASON KRETSCHMER

Jan 20, 2023

OFFICE

FPO

DATE

01/19/2023

DEVELOPED BY

CHARLES THIBODEAUX

Digitally signed by

CHARLES J THIBODEAUX

Nov 21, 2022

OFFICE

AJV-A421

DATE

10/17/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Nov 28, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMIA
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	254757.4260N
LTP/FTP LONGITUDE	0801808.2435W
LTP/FTP ELLIPSOIDAL HEIGHT	-00224
FPAP LATITUDE	254711.8240N
FPAP LONGITUDE	0801639.0835W
THRESHOLD CROSSING HEIGHT (TCH)	00056.4
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	28A9B1BB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00028
FPAP ORTHOMETRIC HEIGHT	+00028

