

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MIAMI	THREE	MIA3.MIA	TWO	12/26/2024	

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**

MIA:

TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED TRANSITION. JETS CLIMB AND MAINTAIN 5000, PROPS AND TURBOPROPS CLIMB AND MAINTAIN 3000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TMB:

TAKEOFF RWY 9L: CLIMB ON HEADING 093.31 TO 800 BEFORE TURNING RIGHT, THENCE...

TAKEOFF RWY 9R: CLIMB ON HEADING 093.31 TO 900 BEFORE TURNING RIGHT, THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING 133.34 TO 1400 BEFORE TURNING RIGHT, THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING 273.32 TO 1400 BEFORE TURNING LEFT, THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING 273.32 TO 1300 BEFORE TURNING LEFT, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 313.35 TO 900 BEFORE TURNING LEFT, THENCE...

...ON TRANSITION, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

HWO:

TAKEOFF RWY 1L: CLIMB ON HEADING 006.34 TO 900 BEFORE TURNING RIGHT, THENCE...

TAKEOFF RWY 1R: CLIMB ON HEADING 006.35 TO 900 BEFORE TURNING RIGHT, THENCE...

TAKEOFF RWY 10L, 10R: CLIMB ON HEADING 096.34 TO 1400 BEFORE TURNING RIGHT, THENCE...

TAKEOFF RWY 19L, 19R: CLIMB ON HEADING 186.34 TO 1300 BEFORE TURNING LEFT, THENCE...

TAKEOFF RWY 28L, 28R: CLIMB ON HEADING 276.34 TO 1000, THENCE...

...ON TRANSITION, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

OPF:

TAKEOFF RWY 9L: CLIMB ON HEADING 092.94 TO 1100 BEFORE TURNING NORTH, THENCE...

TAKEOFF RWY 9R: CLIMB ON HEADING 092.96 TO 1000 BEFORE TURNING NORTH, THENCE...

TAKEOFF RWY 12: CLIMB ON HEADING 127.84 TO 600 BEFORE TURNING NORTH, THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING 272.97 THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING 272.95 TO 500 BEFORE TURNING NORTH, THENCE...

TAKEOFF RWY 30: CLIMB ON HEADING 307.84, THENCE...

...ON TRANSITION, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TNT, X51:

TAKEOFF ALL RWYS: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
BEECH	MIA3.BEECH	FLL VOR/DME	BEECH	103.79 (FLL R-104)	42.69	3000	1500	

QUALITY  
23  
CHECKED

<u>DP NAME</u>			<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MIAMI			THREE	MIA3.MIA	TWO	12/26/2024	
FREEPORT	MIA3.ZFP	DHP VORTAC		TALKY	065.42 (DHP R-065)	46.23	1800 1700
		TALKY		FOLZZ	065.35 (DHP R-065)	15.22	1900 1300
		FOLZZ		ZFP VOR/DME	068.71 (ZFP R-249)	38.53	3200 1300
FOLZZ	MIA3.FOLZZ	DHP VORTAC		TALKY	065.42 (DHP R-065)	46.23	1800 1700
		TALKY		FOLZZ	065.35 (DHP R-065)	15.22	1900 1300
ALTNN	MIA3.ALTNN	FLL VOR/DME		PERTS	357.58 (FLL R-358)	29.50	2600 2600
		PERTS		ALTNN	357.57 (FLL R-358)	8.77	2600 2600
DORRL	MIA3.DORRL	DHP VORTAC		BOGY	002.70 (DHP R-003)	42.72	3000 1500
		BOGY		DORRL	002.70 (DHP R-003)	11.03	4000 1500
FLMGO	MIA3.FLMGO	DHP VORTAC		ALNZO	348.18 (DHP R-348)	42.57	3000 1400
		ALNZO		FLMGO	348.18 (DHP R-348)	26.57	3000 1500
HURCN	MIA3.HURCN	DHP VORTAC		HURCN	331.70 (DHP R-332)	50.18	3000 1400
BNGOS	MIA3.BNGOS	DHP VORTAC		MRENO	321.27 (DHP R-321)	45.90	2000 1600
		MRENO		BNGOS	321.20 (DHP R-321)	12.31	2000 1500
MAYNR	MIA3.MAYNR	DHP VORTAC		MAYNR	195.94 (DHP R-196)	59.91	2900 2900
GWAVA	MIA3.GWAVA	DHP VORTAC		GWAVA	150.79 (DHP R-151)	38.10	1700 1500
KETLL	MIA3.KETLL	VKZ VORTAC		KLADA	114.48 (VKZ R-114)	26.32	2100 2100
		KLADA		KETLL	114.48 (VKZ R-114)	23.71	2100 1300

**PBN REQUIREMENT NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

RADAR AND DME REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: FILE DP IN REMARKS SECTION OF FLIGHT PLAN.

NOTE: SPECIAL INSTRUCTIONS UNLESS OTHERWISE ASSIGNED, USE DEPARTURE FREQUENCY DEPICTED ASSOCIATED WITH THE TRANSITION IN CLEARANCE.

MIAMI INTL NOTE: ACCELERATE TO 250 K UNTIL LEAVING 10000, IF UNABLE, ADVISE ATC.

**TAKEOFF MINIMUMS:**

MIA:



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MIAMI	THREE	MIA3.MIA	TWO	12/26/2024	

RWY 26L/R, 27, 30: STANDARD.  
RWY 8L/R, 9, 12: STANDARD WITH MINIMUM CLIMB OF 300 FT/NM TO 1400.

TMB:  
RWY 9L/R, 13, 27L/R, 31: STANDARD.

HWO:  
RWY 1L/R, 28L/R: STANDARD.  
RWY 10L/R: STANDARD WITH MINIMUM CLIMB OF 420 FT/NM TO 1400.  
RWY 19L/R: 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 500.

OPF:  
RWY 9L/R, 12, 27L/R, 30: STANDARD.

TNT:  
RWY 9, 27: STANDARD.

X51:  
RWY 10: STANDARD WITH MINIMUM CLIMB OF 515 FT/NM TO 2500.  
RWY 18: STANDARD WITH MINIMUM CLIMB OF 350 FT/NM TO 2400.  
RWY 28: STANDARD WITH MINIMUM CLIMB OF 380 FT/NM TO 2400.  
RWY 36: STANDARD WITH MINIMUM CLIMB OF 440 FT/NM TO 2400.

**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURE (ODP).

**CONTROLLING OBSTACLES:**

MIA:  
RWY 8L/R: 1049 FT MSL BUILDING 254649.65N/0801106.99W.  
RWY 9,12: 1049 FT MSL BUILDING 254542.37N/0801135.45W.

HWO:  
RWY 10L, 10R: 1049 FT MSL TOWER 255935.28N/0801026.00W.  
RWY 19L, 19R: 376 FT MSL BUILDING 255732.11N/0801421.50W.

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:**

TMB:  
RWY 9L/R, 13, 27L/R, 31: 1849 FT MSL TOWER 253225.39N/0802806.20W.

HWO:  
RWY 1L/R, 10L/R, 19L/R, 28L/R: 1049 FT MSL TOWER 255808.33N/0801319.18W.

OPF:  
RWY 9L/R, 12, 27R: 1049 FT MSL TOWER 255730.88N/0801243.20W.

**MSA:**

MIA: MSA FROM MIA, 2900  
TMB: MSA FROM TMB, 2900  
HWO: MSA FROM HWO, 2100  
OPF: MSA FROM OPF, 2900  
TNT: MSA FROM TNT, 1600  
X51: MSA FROM X51, 2900

**LOST COMMUNICATIONS PROCEDURES:**



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MIAMI	THREE	MIA3.MIA	TWO	12/26/2024	

**ADDITIONAL FLIGHT DATA:**

MIA - CHART: TOP ALTITUDE: (JETS) 5000/(TURBO-PROPS) 3000.  
 TMB, HWO, OPF, TNT, X51 - CHART: TOP ALTITUDE: AS ASSIGNED BY ATC.  
 AIRPORT MV: MIA 5W/2000, TMB 6W/2010, HWO 6W/2015, OPF 6W/2010, TNT 5W/2005, X51 6W/2010.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
MIA	MIAMI	FL
TMB	MIAMI	FL
HWO	HOLLYWOOD	FL
OPF	MIAMI	FL
TNT	MIAMI	FL
X51	HOMESTEAD	FL

**COMMUNICATIONS:**

MIA: CHART: ATIS, CLNC DEL, GND CON, TOWER.  
 TMB: CHART: ATIS, CLNC DEL, GND CON, TOWER.  
 HWO: CHART: ATIS, GND CON, TOWER, UNICOM.  
 OPF: CHART: ATIS, CLNC DEL, GND CON, TOWER.  
 TNT: CHART: CLNC DEL, UNICOM.  
 X51: CHART: CLNC DEL, UNICOM.  
 ALL AIRPORTS: CHART: MIA DEP CON NORTH FOR BEECH TRANSITIONS.  
 ALL AIRPORTS: CHART: MIA DEP CON SOUTH FOR GWAVA, KETLL, MAYNR TRANSITIONS.

**FIXES AND/OR NAVAIDS:**

PBI VORTAC, ZBV VOR/DME

**REMARKS:**

75 FT VEGETATION USED PER FPT.  
 LETTER OF APPROVAL X51: CLIMB GRADIENT EXCEEDS 500 FT/NM.  
 WAIVER: ATC REQUESTED ALTITUDE LOWER THAN UNRESTRICTED CLIMB ALLOWED BY TERPS EVALUATION.  
 MIA MINIMUMS COMBINED TO REDUCE CHART CLUTTER: RWY 26L/R, 27, 30 - STANDARD. RWY 8L/R, 9, 12: 300 FT/NM TO 1400.  
 LOWEST ALTITUDE ATC WILL ASSIGN FOR X51, TMB, OPF, TNT, HWO IS 2000 MSL. ATC WILL NOT DEVIATE FROM THE MIA DRD ALTITUDES.  
 ATC IS NOT ALLOWED TO LET AN AIRCRAFT CLIMBING TO THE LOWEST ALTITUDES ASSIGNED ENTER A HIGHER MVA UNLESS ATC HAS ASSIGNED AND THE PILOT REACHED THE ALTITUDE EQUAL TO OR HIGHER THAN THE MVA SECTOR THEY ARE ENTERING OR FAA ORDER 7110.65, PARAGRAPH 5-6-3.A.(1) OR (2) IS BEING APPLIED (ATC IS RESPONSIBLE FOR OBSTACLE SEPARATION UNTIL THE AIRCRAFT REACHES THE MVA ALTITUDE OR HIGHER).  
 DO NOT CHART MOCA: DHP VORTAC TO TALKY, FLL VOR/DME TO PERTS, PERTS TO ALTNN, DHP VORTAC TO MRENO, DHP VORTAC TO MAYNR, DHP VORTAC TO GWAVA, VKZ VOR/DME TO KLADA.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MIAMI	THREE	MIA3.MIA	TWO	12/26/2024	

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
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<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
RAKE MCGRAW (DEXTER SWEETING)		AJV-A431	11/21/2025

<u>APPROVED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
RAKE MCGRAW		AJV-A422		MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**     **ALPA**     **AOPA**     **APA**     **HAI**     **NBAA**     **OTHER:**ZMA, MIA DEP CON, MIA ATCT, TMB ATCT, OPF ATCT, HWO ATCT, TNT ATCT, X51 ATCT, AMGR

**CHANGES - REASONS:**

WHOLE PROCEDURE: ADDED X51 & TNT AIRPORTS AND ALL ASSOCIATED DATA - PER ATC REQUEST TO ADD AIRPORT TO MIAMI SID DP AND IAW 8260.46K.

WHOLE PROCEDURE: UPDATED ALL AIRPORT IDENTIFIER TO THREE LETTER IDENTIFIER; REMOVED ALL AIRPORT NAMES - IAW 8260.46K.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): FREEPORT AND FOLZZ TRANSITION: UPDATED DHP VORTAC TO TALKY MEA FROM 1700 TO 1800 - UPDATED AIRSPACE EVALUATION.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): FREEPORT AND FOLZZ TRANSITION: UPDATED TALKY TO FOLZZ MOCA FROM 1200 TO 1300 - NEW CONTROLLING OBSTACLE IDENTIFIED.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): FREEPORT TRANSITION: UPDATED FOLZZ TO ZFP VOR/DME FROM 1500 TO 1300 - NEW CONTROLLING OBSTACLE IDENTIFIED.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): ALTNN TRANSITION: UPDATED FLL VOR/DME TO PERTS DISTANCE FROM 29.51 TO 29.50 - UPDATED DME DISTANCE AND ROUNDING.

TAKEOFF MINIMUMS: MIA: RWY 8L/R, 9, 12: COMBINED AND ROUNDED CLIMB GRADIENTS TO 300 FT/NM - COMBINED MINIMUMS TO REDUCE CHART CLUTTER CONTROLLING OBSTACLES REMAIN THE SAME AS PREVIOUS AMENDMENT.

REMARKS: ADDED NOTES 75 FT VEGETATION USED PER FPT, LETTER OF APPROVAL X51: CLIMB GRADIENT EXCEEDS 500 FT/NM, WAIVER: ATC REQUESTED ALTITUDE LOWER THAN UNRESTRICTED CLIMB ALLOWED BY TERPS EVALUATION, ATC IS NOT ALLOWED TO LET AN AIRCRAFT CLIMBING TO THE LOWEST ALTITUDES ASSIGNED ENTER A HIGHER MVA UNLESS ATC HAS ASSIGNED AND THE PILOT REACHED THE ALTITUDE EQUAL TO OR HIGHER THAN THE MVA SECTOR THEY ARE ENTERING OR FAA ORDER 7110.65, PARAGRAPH 5-6-3.A.(1) OR (2) IS BEING APPLIED (ATC IS RESPONSIBLE FOR OBSTACLE SEPARATION UNTIL THE AIRCRAFT REACHES THE MVA ALTITUDE OR HIGHER).

01/27/2026: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/21/2025.

NOTES: REMOVED NOTE TURBOPROPS OPERATE IN A MANNER THAT WILL RESULT IN BEST FORWARD SPEED AND CLIMB RATE.

NOTES: CHANGED MIAMI INTL NOTE FROM "TURBOJETS ACCELERATE TO 250 KIAS AS RAPIDLY AS FEASIBLE UNTIL REACHING 10,000 MSL, UNLESS REQUESTED BY ATC TO DO OTHERWISE" TO "ACCELERATE TO 250 K UNTIL LEAVING 10000, IF UNABLE, ADVISE ATC."

REMARKS: ADDED "LOWEST ALTITUDE ATC WILL ASSIGN FOR X51, TMB, OPF, TNT, HWO IS 2000 MSL. ATC WILL NOT DEVIATE FROM THE MIA DRD ALTITUDES"; REMOVED "ABBREVIATED AMENDMENT."

