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 statue miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE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

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	☐	☐	☒	☐	☐

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):

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

QUALITY 23 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE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

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	BOGYY	002.70 (DHP R-003)	42.72	3000	1500
		BOGYY	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 VOR/DME	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:
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:

QUALITY 23 CHECKED

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:

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:

AIRPORT ID	CITY	STATE

QUALITY 23 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE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

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 TH 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.

FLIGHT INSPECTED BY	SIGNATURE	OFFICE	DATE
JAMES HAWLEY	*Digitally signed by* ***ALLAN WILL*** Sep 04, 2026	AJF	08/11/2026

DEVELOPED BY	SIGNATURE	OFFICE	DATE
RAKE MCGRAW (DEXTER SWEETING)	*Digitally signed by* ***ALLAN WILL*** Sep 04, 2026	AJV-A431	11/21/2025

APPROVED BY	SIGNATURE	OFFICE	DATE	TITLE
RAKE MCGRAW	*Digitally signed by* ***ALLAN WILL***	AJV-A422		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

Sep 04, 2026

COORDINATED WITH:

QUALITY 23 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE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

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 AIPORT 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 UNTILTHE 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 NOT**E** 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 TH MIA DRD ALTITUDES"; REMOVED "ABBREVIATED AMENDMENT."

06/16/2026: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/21/2025>
TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): REMOVED FREEPORT TRANSITION - FREEPORT (ZFP) VOR/DME OUT OF SERVICE SINCE 2019 NO DATE OF RETURN.

09/02/2026: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/11/2026.
TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): KETLL TRANSITION CHANGED FROM FIX/NAVAID FROM "VKZ VORTAC" TO "VKZ VOR/DME".

QUALITY 23 CHECKED