

**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SUPERSEDED NUMBER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>        |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| MAYNR (RNAV)             | TWO                      | MAYNR2.MAYNR                        | ONE                      | 05/19/2022               | <b>21 Mar 2024</b>                  |
| <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"/> | <input checked="" type="checkbox"/> |

**DP ROUTE DESCRIPTION:**

MIAMI INTL:

TAKEOFF RWY 8L: CLIMB ON HEADING 092.38 TO INTERCEPT COURSE 144.21 TO BALLR, THEN ON TRACK 183.06 TO MYNNT, THEN ON TRACK 192.01 TO RUUMM, THEN ON TRACK 214.84 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 8R: CLIMB ON HEADING 092.38 TO INTERCEPT COURSE 146.09 TO BALLR, THEN ON TRACK 183.06 TO MYNNT, THEN ON TRACK 192.01 TO RUUMM, THEN ON TRACK 214.84 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 9: CLIMB ON HEADING 092.37 TO INTERCEPT COURSE 136.36 TO BALLR, THEN ON TRACK 183.06 TO MYNNT, THEN ON TRACK 192.01 TO RUUMM, THEN ON TRACK 214.84 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 12: CLIMB ON HEADING 124.46 TO 520, THEN DIRECT BALLR, THEN ON TRACK 183.06 TO MYNNT, THEN ON TRACK 192.01 TO RUUMM, THEN ON TRACK 214.84 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 26L: CLIMB ON HEADING 272.39 TO INTERCEPT COURSE 259.98 TO KSENS, THEN ON TRACK 231.23 TO COOZY, THEN ON TRACK 184.89 TO HAMAK, THEN ON TRACK 124.51 TO LONZO, THEN ON TRACK 201.65 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 26R: CLIMB ON HEADING 272.39 TO INTERCEPT COURSE 258.12 TO KSENS, THEN ON TRACK 231.23 TO COOZY, THEN ON TRACK 184.89 TO HAMAK, THEN ON TRACK 124.51 TO LONZO, THEN ON TRACK 201.65 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 27: CLIMB ON HEADING 272.39 TO 520, THEN DIRECT KSENS, THEN ON TRACK 231.23 TO COOZY, THEN ON TRACK 184.89 TO HAMAK, THEN ON TRACK 124.51 TO LONZO, THEN ON TRACK 201.65 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 30: CLIMB ON HEADING 304.47 TO INTERCEPT COURSE 254.09 TO KSENS, THEN ON TRACK 231.23 TO COOZY, THEN ON TRACK 184.89 TO HAMAK, THEN ON TRACK 124.51 TO LONZO, THEN ON TRACK 201.65 TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

...ON TRACK 201.61 TO MAYNR, THEN ON ASSIGNED TRANSITION, MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

FORT LAUDERDALE/HOLLYWOOD INTL:

TAKEOFF RWY 10L: CLIMB ON HEADING 096.36 TO 580, THEN DIRECT MRLEE, THEN ON TRACK 096.36, FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 10R: CLIMB ON HEADING 096.37 TO 580, THEN DIRECT CLPSO, THEN ON TRACK 096.37, FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 28L: CLIMB ON HEADING 276.38 TO 580, THEN DIRECT TIDEZ, THEN ON TRACK 274.22, FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 28R: CLIMB ON HEADING 276.37 TO 580, THEN DIRECT SEAZZ, THEN ON TRACK 274.32, FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE ...

FORT LAUDERDALE EXEC:

TAKEOFF RWY 9: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 27: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

HOMESTEAD ARB:

TAKEOFF RWY 6: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 24: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

MIAMI EXEC:

TAKEOFF RWY 9L: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 9R: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...



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| MAYNR (RNAV)   | TWO           | MAYNR2.MAYNR            | ONE                      | 05/19/2022   | <b>21 Mar 2024</b>           |

**MIAMI HOMESTEAD GENERAL AVIATION:**

TAKEOFF RWY 10: CLIMB ON HEADING 095.69 TO 2000, THEN AS ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 18: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

**MIAMI-OPA LOCKA EXEC:**

TAKEOFF RWY 9L: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 9R: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 12: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 30: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

**POMPANO BEACH AIRPARK:**

TAKEOFF RWY 6: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 10: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 15: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 24: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 33: CLIMB ON HEADING ASSIGNED BY ATC FOR VECTORS TO CROSS AUSTI AT OR ABOVE 5000, THENCE...

...ON TRACK 201.61 TO MAYNR, THEN ON ASSIGNED TRANSITION, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

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

| <u>TRANSITION NAME</u> | <u>TRANSITION<br/>COMPUTER CODE</u> | <u>FROM<br/>FIX/NAVAID</u> | <u>TO<br/>FIX/NAVAID</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING<br/>ALTITUDE/FIXES</u> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
| FUNDI                  | MAYNR2.FUNDI                        | MAYNR                      | MCLAW                    | 242.61        | 28.54           | 15800      | 1300        |                                    |
|                        |                                     | MCLAW                      | FUNDI                    | 184.56        | 33.71           | FL180      | 1300        |                                    |
| CANOA                  | MAYNR2.CANOA                        | MAYNR                      | MCLAW                    | 242.61        | 28.54           | 15800      | 1300        |                                    |
|                        |                                     | MCLAW                      | SLIPT                    | 264.73        | 36.05           | FL180      | 1300        |                                    |
|                        |                                     | SLI-PT                     | JABOX                    | 249.75        | 40.10           | FL180      | 1300        |                                    |
|                        |                                     | JABOX                      | CANOA                    | 261.03        | 41.02           | FL180      | 1300        |                                    |
| MAXIM                  | MAYNR2.MAXIM                        | MAYNR                      | MCLAW                    | 242.61        | 28.54           | 15800      | 1300        |                                    |
|                        |                                     | MCLAW                      | SLIPT                    | 264.73        | 36.05           | FL180      | 1300        |                                    |
|                        |                                     | SLIPT                      | JABOX                    | 249.75        | 40.10           | FL180      | 1300        |                                    |

QUALITY  
19  
CHECKED

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| MAYNR (RNAV)   | TWO           | MAYNR2.MAYNR            | ONE                      | 05/19/2022   | <b>21 Mar 2024</b>           |
| JABOX          | MAXIM         | 231.73                  | 14.59                    | FL180        | 1300                         |

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

FROM SLIPT TO MAXIM: RNAV 1 - GPS.

FROM SLIPT TO CANOA: RNAV 1 - GPS.

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY

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

**TAKEOFF MINIMUMS:****KMIA:**

RWY 8L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 215 FT/NM TO 1400.

RWY 8R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 235 FT/NM TO 1400.

RWY 9: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 240 FT/NM TO 1400.

RWY 12: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 230 FT/NM TO 1400.

RWY 26L, 26R, 27, 30: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

**KFLL:**

RWY 10L, 10R, 28L, 28R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 580.

**KHST:**

RWY 6: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1800.

RWY 24: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 2200.

**KTMB:**

RWY 9L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1300.

RWY 9R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1500.

RWY 13: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1800.

RWY 27L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1900.

RWY 27R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1700.

RWY 31: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1400.

**KFXE:**

RWY 9, 13, 27, 31: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

**KX51:**

RWY 10: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 2400.

RWY 18: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1800.

RWY 28: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1900.

RWY 36: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 2200.

**KOPF:**

RWY 9L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1000.

RWY 9R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 700.

RWY 12, 27R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 600.

RWY 27L, 30: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

**KPMP:**

RWY 6, 10, 15, 24, 28, 33: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.



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**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:****MIAMI INTL:**

RWY 8L, 8R: 1049 FT MSL BUILDING 254649.65N/0801106.99W.

RWY 9, 12: 1049 FT MSL BUILDING 254542.37N/0801135.45W.

**KFLL:**

RWY 28L, 28R: 1049 MSL TOWER 255935.28N/0801026.00W.

**KHST:**

RWY 6, 24: 1849 FT MSL TOWER 253223.94N/0802806.43W.

**KTMB:**

RWY 9L, 9R, 13, 27L, 27R, 31: 1849 FT MSL TOWER 253223.94N/0802806.43W.

**KFXE:**

RWY 27: 411 FT MSL TOWER 261047.32N/0801314.71W.

**KX51:**

RWY 10, 18, 28, 36: 1849 FT MSL TOWER 253223.94N/0802806.43W.

**KOPF:**

RWY 9L, 9R, 12, 27R: 1050 FT MSL ANTENNA 255730.91N/0801243.24W.

**KPMP:**

RWY 10: 213 FT MSL BUILDING 261438.31N/0800513.80W.

RWY 15: 308 FT MSL BUILDING 261351.00N/0800526.00W

**MSA:**

KMIA: MSA FROM KMIA, 2900

KFLL: MSA FROM KFLL, 2900

KHST: MSA FROM KHST, 2900

KTMB: MSA FROM KTMB, 2900

KFXE: MSA FROM KFXE, 2900

KX51: MSA FROM KX51, 2900

KOPF: MSA FROM KOPF, 2900

KPMP: MSA FROM KPMP, 2900

**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

MIAMI INTL - CHART: TOP ALTITUDE: 5000.

FORT LAUDERDALE/HOLLYWOOD INTL - CHART: TOP ALTITUDE: 4000.

FORT LAUDERDALE EXEC - CHART: TOP ALTITUDE: ASSIGNED BY ATC

HOMESTEAD ARB - CHART: TOP ALTITUDE: ASSIGNED BY ATC

MIAMI-OPA LOCKA EXEC - CHART: TOP ALTITUDE: ASSIGNED BY ATC

POMPANO BEACH AIRPARK - CHART: TOP ALTITUDE: ASSIGNED BY ATC

MIAMI EXEC - CHART: TOP ALTITUDE: ASSIGNED BY ATC

MIAMI HOMESTEAD GENERAL AVIATION - CHART: TOP ALTITUDE: ASSIGNED BY ATC

CHART: MINIMUM CROSSING ALTITUDE AT AUSTI - AT OR ABOVE 5000.

DME/DME ASSESSMENT: SAT RNP 2.0

AIRPORT MV: MIA 5W/2000, HST 6W/2015, TMB 6W/2010, X51 6W/2010, OPF 6W/2010, FXE 7W/2015, PMP 7W/2015, FLL 6W/2015

**AIRPORTS SERVED:**

| <u>AIRPORT ID</u> | <u>CITY</u> | <u>STATE</u> |
|-------------------|-------------|--------------|
|-------------------|-------------|--------------|



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|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| MAYNR (RNAV)   | TWO           | MAYNR2.MAYNR            | ONE                      | 05/19/2022   | <b>21 Mar 2024</b>           |
| KMIA           |               | MIAMI                   |                          |              | FL                           |
| KFLL           |               | FORT LAUDERDALE         |                          |              | FL                           |
| KHST           |               | HOMESTEAD               |                          |              | FL                           |
| KTMB           |               | MIAMI                   |                          |              | FL                           |
| KFXE           |               | FORT LAUDERDALE         |                          |              | FL                           |
| KX51           |               | MIAMI                   |                          |              | FL                           |
| KOPF           |               | MIAMI                   |                          |              | FL                           |
| KPMP           |               | POMPANO BEACH           |                          |              | FL                           |

**COMMUNICATIONS:**

KMIA: CHART: ATIS, AWOS/ASOS, CLNC DEL, GND CON, TOWER.

KFLL: CHART: ATIS, CLNC DEL, GND CON, KFLL ATCT, KFXE ATCT, KPMP ATCT.

KHST: CHART: ATIS, CLNC DEL, GND CON, TOWER.

KTMB: CHART: ATIS, TOWER, GND CON, CLNC DEL.

KFXE: CHART: ATIS, GND CON, TOWER, CLNC DEL.

KX51: CHART: AWOS, CTAF.

KOPF: CHART: ATIS/ASOS, CLNC DEL, GND CON, TOWER.

KPMP: CHART: ATIS, GND CON, CTAF, TOWER.

**FIXES AND/OR NAVAIDS:****REMARKS:**

ABBREVIATED AMENDMENT

CHART NOTE: KMIA/KFLL ONLY: SEE ADDITIONAL REQUIREMENTS ON AAUP

ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION)

REQUIREMENTS WORKSHEET AND NOISE SCREENING HAVE BEEN ACCOMPLISHED

250 FEET SHIP HEIGHT USED

**FLIGHT INSPECTED BY****SIGNATURE****OFFICE****DATE**PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE  
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION*Digitally signed by*  
**CASIMIR L TABAKA**

Jan 23, 2024

**DEVELOPED BY****SIGNATURE****OFFICE****DATE**

CHRISTOPHER SCHONES

*Digitally signed by*  
**CHRISTOPHER SCHONES**

Jan 22, 2024

AJV-A432

10/03/2023

**APPROVED BY****SIGNATURE****OFFICE****DATE****TITLE**

CASIMIR L TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**

Jan 23, 2024

AJV-A432

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
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**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:**ZMA, MIA ATCT, AMGR

**CHANGES - REASONS:**

1. KMIA: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "CROSS AUSTI AT 5000" TO "AT OR ABOVE 5000" - ATC REQUEST.
2. KFLI: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "CROSS AUSTI AT 5000" TO "AT OR ABOVE 5000" - ATC REQUEST.
3. KFXE, KHST, KTMB, KX51, KOPF, KPMP: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "CROSS AUSTI AT 5000" TO "AT OR ABOVE 5000" - ATC REQUEST.
4. PROCEDURAL DATA NOTE: UPDATED FROM "ACCELERATE TO 250 KIAS, IF UNABLE, ADVISE ATC" TO "ACCELERATE TO 250 KIAS UNTIL LEAVING 10000, IF UNABLE, ADVISE ATC" - ATC REQUEST.
5. ADDED MSA INFORMATION -8260.46J.
6. TAKEOFF MINIMUMS: ALL AIRPORTS AND RUNWAYS: UPDATED ALL FROM "FT PER NM" TO "FT/MN" - 8260.46J.
7. ADDED AIRPORT MAGVARS IN ADDITIONAL FLIGHT DATA - IAW MEMO 283.
8. UPDATED TOP ALTITUDE FORMAT - IAW 8260.46J



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

| <u>DP NAME</u>    |                         | <u>NUMBER</u> |              | <u>DP COMPUTER CODE</u> |           | <u>SUPERSEDED NUMBER</u> |                 | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u>                                |
|-------------------|-------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|---|
| MAYNR (RNAV)      |                         | TWO           |              | MAYNR2.MAYNR            |           | ONE                      |                 | 05/19/2022   | <b>21 Mar 2024</b>  |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u>         | <u>C</u>      | <u>FO/FB</u> | <u>LEG TYPE</u>         | <u>TC</u> | <u>DIST (NM)</u>         | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u>  |
| MIAMI INTL (KMIA) |                         |               |              |                         |           |                          |                 |              |   |
| RW08L (AER)       | 254810.43N/0801805.55W  | N             | -            | -                       | -         | -                        |                 |              |   |
| -                 | 254817.12N/0801523.65W  | -             | -            | VI                      | 087.38    | 02.44                    |                 |              | CG 500 FT/NM TO 520 THEN MINIMUM CLIMB OF 215 FT/NM TO 1400 |
| BALLR             | 254414.81N/0801132.65W  | Y             | FB           | CF                      | 139.21    | 05.32                    |                 |              |   |
| MYNNT             | 254036.40N/0801124.47W  | Y             | FB           | TF                      | 178.06    | 03.63                    |                 |              |   |
| RUUMM             | 253710.85N/0801152.34W  | Y             | FB           | TF                      | 187.01    | 03.44                    |                 |              |   |
| AUSTI             | 251405.56N/0802625.74W  | Y             | FB           | TF                      | 209.84    | 26.52                    | AT/ABOVE 5000   |              |   |
|                   |                         |               |              |                         |           |                          |                 |              |   |
| RW08R (AER)       | 254802.52N/0801805.16W  | N             | -            | -                       | -         | -                        |                 |              |   |
| -                 | 254810.06N/0801502.44W  | -             | -            | VI                      | 087.38    | 02.75                    |                 |              | CG 500 FT/NM TO 520 THEN MINIMUM CLIMB OF 235 FT/NM TO 1400 |
| BALLR             | 254414.81N/0801132.65W  | Y             | FB           | CF                      | 141.09    | 05.02                    |                 |              |   |
| MYNNT             | 254036.40N/0801124.47W  | Y             | FB           | TF                      | 178.06    | 03.63                    |                 |              |   |
| RUUMM             | 253710.85N/0801152.34W  | Y             | FB           | TF                      | 187.01    | 03.44                    |                 |              |   |
| AUSTI             | 251405.56N/0802625.74W  | Y             | FB           | TF                      | 209.84    | 26.52                    | AT/ABOVE 5000   |              |   |
|                   |                         |               |              |                         |           |                          |                 |              |   |
| RW09 (AER)*       | 254710.56N/0801838.57W* | N             | -            | -                       | -         | -                        |                 |              | *DISPL THLD (1358.0 FT)                                     |
| -                 | 254718.63N/0801523.31W  | -             | -            | VI                      | 087.37    | 02.94                    |                 |              | CG 500 FT/NM TO 520 THEN MINIMUM CLIMB OF 240 FT/NM TO 1400 |
| BALLR             | 254414.81N/0801132.65W  | Y             | FB           | CF                      | 131.36    | 04.62                    |                 |              |   |
| MYNNT             | 254036.40N/0801124.47W  | Y             | FB           | TF                      | 178.06    | 03.63                    |                 |              |   |
| RUUMM             | 253710.85N/0801152.34W  | Y             | FB           | TF                      | 187.01    | 03.44                    |                 |              |   |
| AUSTI             | 251405.56N/0802625.74W  | Y             | FB           | TF                      | 209.84    | 26.52                    | AT/ABOVE 5000   |              |   |

QUALITY  
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| DP NAME      |                         | NUMBER |       |          |        |           | DP COMPUTER CODE |       | SUPERSEDED NUMBER   |  | DATED      | ACTUAL EFFECTIVE DATE |
|--------------|-------------------------|--------|-------|----------|--------|-----------|------------------|-------|---|--|------------|-----------------------|
| MAYNR (RNAV) |                         | TWO    |       |          |        |           | MAYNR2.MAYNR     |       | ONE   |  | 05/19/2022 | 21 Mar 2024           |
| FIX/NAVAID   | LAT/LONG                | C      | FO/FB | LEG TYPE | TC     | DIST (NM) | ALTITUDE         | SPEED | REMARKS   |  |            |                       |
| RW12 (AER)   | 254757.43N/0801808.24W  | N      | -     | -        | -      | -         |                  |       |   |  |            |                       |
| 520 MSL      | -                       | -      | -     | VA       | 119.46 | -         | AT/ABOVE 520     |       | CG 500 FT/NM TO 520 THEN MINIMUM CLIMB OF 230 FT/NM TO 1400 |  |            |                       |
| BALLR        | 254414.81N/0801132.65W  | Y      | FB    | DF       | -      | -         |                  |       |   |  |            |                       |
| MYNNT        | 254036.40N/0801124.47W  | Y      | FB    | TF       | 178.06 | 03.63     |                  |       |   |  |            |                       |
| RUUMM        | 253710.85N/0801152.34W  | Y      | FB    | TF       | 187.01 | 03.44     |                  |       |   |  |            |                       |
| AUSTI        | 251405.56N/0802625.74W  | Y      | FB    | TF       | 209.84 | 26.52     | AT/ABOVE 5000    |       |   |  |            |                       |
|              |                         |        |       |          |        |           |                  |       |   |  |            |                       |
| RW26L (AER)  | 254807.27N/0801610.33W  | N      | -     | -        | -      | -         |                  |       |   |  |            |                       |
| -            | 254759.70N/0801913.10W  | -      | -     | VI       | 267.39 | 02.76     |                  |       | CG 500 FT/NM TO 520   |  |            |                       |
| KSENO        | 254658.40N/0802325.68W  | Y      | FB    | CF       | 254.98 | 03.92     |                  |       |   |  |            |                       |
| COOZY        | 254411.04N/0802638.54W  | Y      | FB    | TF       | 226.23 | 04.02     |                  |       |   |  |            |                       |
| HAMAK        | 253947.34N/0802637.96W  | Y      | FB    | TF       | 179.89 | 04.38     |                  |       |   |  |            |                       |
| LONZO        | 253559.29N/0801913.96W  | Y      | FB    | TF       | 119.51 | 07.69     |                  |       |   |  |            |                       |
| AUSTI        | 251405.56N/0802625.74W  | Y      | FB    | TF       | 196.65 | 22.78     | AT/ABOVE 5000    |       |   |  |            |                       |
|              |                         |        |       |          |        |           |                  |       |   |  |            |                       |
| RW26R (AER)  | 254814.32N/0801631.55W  | N      | -     | -        | -      | -         |                  |       | *DISPL THLD (261.0 FT)                                      |  |            |                       |
| -            | 254807.60N/0801913.86W  | -      | -     | VI       | 267.39 | 02.44     |                  |       | CG 500 FT/NM TO 520   |  |            |                       |
| KSENO        | 254658.40N/0802325.68W  | Y      | FB    | CF       | 253.12 | 03.96     |                  |       |   |  |            |                       |
| COOZY        | 254411.04N/0802638.54W  | Y      | FB    | TF       | 226.23 | 04.02     |                  |       |   |  |            |                       |
| HAMAK        | 253947.34N/0802637.96W  | Y      | FB    | TF       | 179.89 | 04.38     |                  |       |   |  |            |                       |
| LONZO        | 253559.29N/0801913.96W  | Y      | FB    | TF       | 119.51 | 07.69     |                  |       |   |  |            |                       |
| AUSTI        | 251405.56N/0802625.74W  | Y      | FB    | TF       | 196.65 | 22.78     | AT/ABOVE 5000    |       |   |  |            |                       |
|              |                         |        |       |          |        |           |                  |       |   |  |            |                       |
| RW27 (AER)*  | 254715.72N/0801634.02W* | N      | -     | -        | -      | -         |                  |       | *DISPL THLD (945.0 FT)                                      |  |            |                       |

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|---|-------------------------|---|-------|----------|--------|-----------|---------------|------------------|------------------------|------------|-----------------------|
| NFDD No. 018                              |                         |   |       |          |        |           | 01/26/2024    |                  | 107                    |            |                       |
| DP NAME                                   |                         |   |       |          |        |           | NUMBER        | DP COMPUTER CODE | SUPERSEDED NUMBER      | DATED      | ACTUAL EFFECTIVE DATE |
| MAYNR (RNAV)                              |                         |   |       |          |        |           | TWO           | MAYNR2.MAYNR     | ONE                    | 05/19/2022 | 21 Mar 2024           |
| FIX/NAVAID                                | LAT/LONG                | C | FO/FB | LEG TYPE | TC     | DIST (NM) | ALTITUDE      | SPEED            | REMARKS                |            |                       |
| 520 MSL                                   | -                       | - | -     | VA       | 267.39 | -         | AT/ABOVE 520  |                  | CG 500 FT/NM TO 520    |            |                       |
| KSENO                                     | 254658.40N/0802325.68W  | Y | FB    | DF       | -      | -         |               |                  |                        |            |                       |
| COOZY                                     | 254411.04N/0802638.54W  | Y | FB    | TF       | 226.23 | 04.02     |               |                  |                        |            |                       |
| HAMAK                                     | 253947.34N/0802637.96W  | Y | FB    | TF       | 179.89 | 04.38     |               |                  |                        |            |                       |
| LONZO                                     | 253559.29N/0801913.96W  | Y | FB    | TF       | 119.51 | 07.69     |               |                  |                        |            |                       |
| AUSTI                                     | 251405.56N/0802625.74W  | Y | FB    | TF       | 196.65 | 22.78     | AT/ABOVE 5000 |                  |                        |            |                       |
|   |                         |   |       |          |        |           |               |                  |                        |            |                       |
| RW30 (AER)*                               | 254716.43N/0801648.08W* | N | -     | -        | -      | -         |               |                  | *DISPL THLD (945.0 FT) |            |                       |
| -   | 254827.67N/0801907.39W  | - | -     | VI       | 299.47 | 02.42     |               |                  | CG 500 FT/NM TO 520    |            |                       |
| KSENO                                     | 254658.40N/0802325.68W  | Y | FB    | CF       | 249.09 | 04.15     |               |                  |                        |            |                       |
| COOZY                                     | 254411.04N/0802638.54W  | Y | FB    | TF       | 226.23 | 04.02     |               |                  |                        |            |                       |
| HAMAK                                     | 253947.34N/0802637.96W  | Y | FB    | TF       | 179.89 | 04.38     |               |                  |                        |            |                       |
| LONZO                                     | 253559.29N/0801913.96W  | Y | FB    | TF       | 119.51 | 07.69     |               |                  |                        |            |                       |
| AUSTI                                     | 251405.56N/0802625.74W  | Y | FB    | TF       | 196.65 | 22.78     | AT/ABOVE 5000 |                  |                        |            |                       |
|   |                         |   |       |          |        |           |               |                  |                        |            |                       |
| FORT LAUDERDALE/<br>HOLLYWOOD INTL (KFLL) |                         |   |       |          |        |           |               |                  |                        |            |                       |
| RW10L (AER)*                              | 260436.98N/0800953.22W* | N | -     | -        | -      | -         |               |                  | *DISPL THLD (576.0 FT) |            |                       |
| 580 MSL                                   | -                       | - | -     | VA       | 090.36 | -         | AT/ABOVE 580  |                  | CG 500 FT/NM TO 580    |            |                       |
| MRLEE                                     | 260442.12N/0800025.43W  | Y | FB    | DF       | -      | -         |               |                  |                        |            |                       |
| MRLEE                                     | 260442.12N/0800025.43W  | - | -     | FM       | 089.00 | -         |               |                  |                        |            |                       |
|   |                         |   |       |          |        |           |               |                  |                        |            |                       |
| RW10R (AER)                               | 260357.19N/0800930.06W  | N | -     | -        | -      | -         |               |                  |                        |            |                       |
| 580 MSL                                   | -                       | - | -     | VA       | 090.37 | -         | AT/ABOVE 580  |                  | CG 500 FT/NM TO 580    |            |                       |
| CLPSO                                     | 260402.18N/0800029.66W  | Y | FB    | DF       | -      | -         |               |                  |                        |            |                       |

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| DP NAME      |                        | NUMBER |       |          |        |           | DP COMPUTER CODE |       | SUPERSEDED NUMBER      |  | DATED      | ACTUAL EFFECTIVE DATE |  |
|--------------|------------------------|--------|-------|----------|--------|-----------|------------------|-------|------------------------|--|------------|-----------------------|--|
| MAYNR (RNAV) |                        | TWO    |       |          |        |           | MAYNR2.MAYNR     |       | ONE                    |  | 05/19/2022 | 21 Mar 2024           |  |
| FIX/NAVAID   | LAT/LONG               | C      | FO/FB | LEG TYPE | TC     | DIST (NM) | ALTITUDE         | SPEED | REMARKS                |  |            |                       |  |
| CLPSO        | 260402.18N/0800029.66W | -      | -     | FM       | 090.37 | -         |                  |       |                        |  |            |                       |  |
|              |                        |        |       |          |        |           |                  |       |                        |  |            |                       |  |
| RW28L (AER)  | 260356.67N/0800802.34W | N      | -     | -        | -      | -         |                  |       |                        |  |            |                       |  |
| 580 MSL      | -                      | -      | -     | VA       | 270.38 | -         | AT/ABOVE 580     |       | CG 500 FT/NM TO 580    |  |            |                       |  |
| TIDEZ        | 260352.61N/0801343.44W | Y      | FB    | DF       | -      | -         |                  |       |                        |  |            |                       |  |
| TIDEZ        | 260352.61N/0801343.44W | -      | -     | FM       | 268.22 | -         |                  |       |                        |  |            |                       |  |
|              |                        |        |       |          |        |           |                  |       |                        |  |            |                       |  |
| RW28R (AER)* | 260436.49N/0800827.48W | N      | -     | -        | -      | -         |                  |       | *DISPL THLD (606.0 FT) |  |            |                       |  |
| 580 MSL      | -                      | -      | -     | VA       | 270.37 | -         | AT/ABOVE 580     |       | CG 500 FT/NM TO 580    |  |            |                       |  |
| SEAZZ        | 260433.13N/0801351.46W | Y      | FB    | DF       | -      | -         |                  |       |                        |  |            |                       |  |
| SEAZZ        | 260433.13N/0801351.46W | -      | -     | FM       | 268.32 | -         |                  |       |                        |  |            |                       |  |
|              |                        |        |       |          |        |           |                  |       |                        |  |            |                       |  |
|              |                        |        |       |          |        |           |                  |       |                        |  |            |                       |  |
| AUSTI        | 251405.56N/0802625.74W | Y      | -     | IF       | -      | -         | AT/ABOVE 5000    |       |                        |  |            |                       |  |
| MAYNR        | 244911.40N/0803434.04W | Y      | FB    | TF       | 196.61 | 25.90     |                  |       |                        |  |            |                       |  |
|              |                        |        |       |          |        |           |                  |       |                        |  |            |                       |  |
| MAYNR        | 244911.40N/0803434.04W | Y      | -     | IF       | -      | -         |                  |       | MAYNR2.CANOA           |  |            |                       |  |
| MCLAW        | 243349.00N/0810100.00W | Y      | FB    | TF       | 237.61 | 28.54     |                  |       |                        |  |            |                       |  |
| SLIPT        | 242717.14N/0813952.42W | Y      | FB    | TF       | 259.73 | 36.05     |                  |       |                        |  |            |                       |  |
| JABOX        | 241002.22N/0821931.76W | Y      | FB    | TF       | 244.75 | 40.10     |                  |       |                        |  |            |                       |  |
| CANOA        | 240000.00N/0830300.00W | Y      | FB    | TF       | 256.03 | 41.02     |                  |       |                        |  |            |                       |  |
|              |                        |        |       |          |        |           |                  |       |                        |  |            |                       |  |
| MAYNR        | 244911.40N/0803434.04W | Y      | -     | IF       | -      | -         |                  |       | MAYNR2.FUNDI           |  |            |                       |  |
| MCLAW        | 243349.00N/0810100.00W | Y      | FB    | TF       | 237.61 | 28.54     |                  |       |                        |  |            |                       |  |

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| <u>DP NAME</u>    |                        | <u>NUMBER</u> |              | <u>DP COMPUTER CODE</u> |           | <u>SUPERSEDED NUMBER</u> |                 | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|------------------------------|
| MAYNR (RNAV)      |                        | TWO           |              | MAYNR2.MAYNR            |           | ONE                      |                 | 05/19/2022   | <b>21 Mar 2024</b>           |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u>        | <u>C</u>      | <u>FO/FB</u> | <u>LEG TYPE</u>         | <u>TC</u> | <u>DIST (NM)</u>         | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u>               |
| FUNDI             | 240000.00N/0810043.00W | Y             | FB           | TF                      | 179.56    | 33.71                    |                 |              |                              |
| MAYNR             | 244911.40N/0803434.04W | Y             | -            | IF                      | -         | -                        |                 |              | MAYNR2.MAXIM                 |
| MCLAW             | 243349.00N/0810100.00W | Y             | FB           | TF                      | 237.61    | 28.54                    |                 |              |                              |
| SLIPT             | 242717.14N/0813952.42W | Y             | FB           | TF                      | 259.73    | 36.05                    |                 |              |                              |
| JABOX             | 241002.22N/0821931.76W | Y             | FB           | TF                      | 244.75    | 40.10                    |                 |              |                              |
| MAXIM             | 240000.00N/0823107.73W | Y             | FB           | TF                      | 226.73    | 14.59                    |                 |              |                              |

