

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORLANDO	NINE	ORLA9.ORLA	EIGHT	12/22/2003	09/20/2012

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L/R, 18L/R: CLIMB ON HEADING AS ASSIGNED FOR VECTORS TO FILED/ASSIGNED ROUTE. THENCE...
 TAKEOFF RWY 35L/R, 36L/R: CLIMB ON HEADING AS ASSIGNED FOR VECTORS TO FILED/ASSIGNED ROUTE. CROSS 2 DME SOUTH OF THE ORL VORTAC AT OR ABOVE 2300, CROSS ORL VORTAC R-115 AT OR ABOVE 2600, CROSS ORL VORTAC R-090 OR R-270 AT OR ABOVE 3000. THENCE...

...MAINTAIN 5000, EXPECT FURTHER CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS:
 RWY 17L/R, 18L/R, STANDARD.
 RWY 35L/R, 36L/R, STANDARD WITH ATC CLIMB OF 605 FT PER NM TO 2800.

NOTE: IF UNABLE TO ACCEPT ATC CLIMB GRADIENT, ADVISE ATC ON INITIAL CONTACT.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 17L, TREES BEGINNING 1072 FT FROM DER, 123 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/151 FT MSL.
 NOTE: RWY 17R, TREES 1783 FT FROM DER, 964 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/138 FT MSL.
 NOTE: RWY 35L, ELECTRICAL SYSTEM AND BUSHES BEGINNING 133 FT FROM DER, 455 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/129 FT MSL.
 NOTE: RWY 35R, TREES BEGINNING 2707 FT FROM DER, 54 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/170 FT MSL. TREES BEGINNING 2163 FT FROM DER, 607 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/184 FT MSL.
 NOTE: RWY 36L, LIGHT ON SIGN 1063 FT FROM DER, 775 FT RIGHT OF CENTERLINE, 34 FT AGL/123 FT MSL.
 NOTE: RWY 36R, LIGHT ON SIGN 1063 FT FROM DER, 725 FT LEFT OF CENTERLINE, 34 FT AGL/123 FT MSL. TREES BEGINNING 1364 FT FROM DER, 193 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/153 FT MSL.

CONTROLLING OBSTACLES:



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LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART ORL VORTAC R-090-270 MIN ALT 3000, ORL VORTAC R-115 MIN ALT 2600, AND ORL VORTAC 2 DME MIN ALT 2300.

AIRPORTS SERVED:

ORLANDO INTL

ORLANDO, FL

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER (RWYS 17L/R, 18L/R, 35L/R, AND 36L/R)

FIXES AND/OR NAVAIDS:

ORL VORTAC, OMN VORTAC, CRG VORTAC, SZW VORTAC, OCF VORTAC, LAL VORTAC, PIE VORTAC, SRQ VORTAC, RSW VORTAC, PHK VORTAC, PBI VORTAC, TRV VORTAC, MLB VOR/DME, CTY VORTAC.

REMARKS:

TAKEOFF OBSTACLE NOTES DERIVED FROM ODP WITH ESTIMATED CHART DATE OF 07/26/2012.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DONALD SMITH

(WES COMBS)

AJV-352

APPROVED BY:

DARRYEL ADAMS

AJV-352

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZJX, MCO ATCT, MCO APT MGR, EST FPO.



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CHANGES:

1. MINOR WORDING CHANGES THROUGHOUT.
2. CHANGED CLIMB GRADIENT FROM 600 FT/NM TO 605 FT/NM.
3. ATC CLIMB GRADIENT ADDED TO TAKEOFF MINIMUMS.
4. UPDATED ATC CLIMB GRADIENT NOTE.
5. UPDATED TAKEOFF OBSTACLE NOTES.
6. CHANGED VRB VORTAC TO TRV VORTAC.

REASONS:

1. IAW CURRENT STANDARDS.
2. REVISED CALCULATION OF CLIMB GRADIENT BASED ON ORL CROSSING ALTITUDES.
- 3-4. REDUCE CHART CLUTTER.
5. TO MATCH WHAT WILL BE PUBLISHED.
6. VERO BEACH VORTAC WAS RENAMED TO TREASURE VORTAC.





Federal Aviation Administration

Memorandum

Date:

To: Leslie H. Smith, Manager, Flight Technologies and
Procedures Division
THRU: Stacey L. Zinke-McKee, Manager, Flight Procedure
Implementation & Oversight Branch

From: Wade EK Terrell Lead, Production Integration Coordination Team,
AJV-34

Reply To Attn Of: Wade EK Terrell
(405) 954-7370
FAX (405) 954-1301

Subject: **ACTION:** Approval Request

ORLANDO NINE SID, Orlando INTL, Orlando, FL (KMCO)

Climb gradient exceeds 500 feet per NM, 8260.46D, Para. 2-1d (2).

The computed climb gradient is 605 feet per NM to an altitude 2700 feet above airport elevation. This is due to an ATC requirement imposed on departures from runways 35L/R and 36L/R. All other runways remain standard.

Request approval to publish a minimum climb gradient of 605 feet per NM to 2800.

Please respond as soon as possible.

Attachment