U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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.

City, State	Airport	Effective Date	Amdt. No.
NEWMARKET, VA	NEW MARKET		ORIG

TAKEOFF MINIMUMS:

RWY 6, 1100-3 WITH MINIMUM CLIMB OF 376 FT PER NM TO 3700 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 24, 1100-3 WITH MINIMUM CLIMB OF 290 FT PER NM TO 3700 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6 - CLIMB HEADING 047.86 TO 3700 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS NEW MARKET AIRPORT AT OR ABOVE 3400 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.
RWY 24 - CLIMB HEADING 242.87 TO 3700 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS NEW MARKET AIRPORT AT OR ABOVE 3400 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TRAIN BEGINNING 2 FT FROM DER, 396 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/1002 FT MSL. VEHICLES ON ROAD BEGINNING 57 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/994 FT MSL. TREES BEGINNING 754 FT FROM DER, 522 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1279 FT MSL.
NOTE: RWY 24, TRAIN BEGINNING 11 FT FROM DER, 404 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/1002 FT MSL. TREES BEGINNING 564 FT FROM DER, 257 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1319 FT MSL.

CONTROLLING OBSTACLES:

RWY 6: 1279 FT MSL TREE 383945.75N/0784207.75W. 1259 FT MSL TREE 383947.00N/0784206.70W. 2819 FT MSL AAO 384318.50N/0783531.15W. 2979 FT MSL AAO 384533.40N/0783329.55W.
RWY 24: 1319 FT MSL TREE 383909.50N/0784311.45W. 1119 FT MSL AAO 383905.75N/0784322.05W. 3900 FT MSL AAO 383347.10N/0790144.10W.
RWY 6, 24 (VCOA): 3304 FT MSL TOWER (51-000006) 383605.00N/0783758.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 6 - 2999 FT MSL AAO 384053.75N/0783428.10W.
RWY 24 - 3900 FT MSL AAO 383347.10N/0790144.10W.

QUALITY CHECKED

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City, State	Airport	Effective Date	Amdt. No.
NEWMARKET, VA	NEW MARKET		ORIG

REMARKS:

RWY 6/26 TAKEOFF MINIMUMS 1100-3 AND RWY 6 DEPARTURE PROCEDURE CLIMB TO 3700 PER FLIGHT INSPECTION REQUEST.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DONALD SMITH (KYLE THOMPSON) AJV-352 4/26/2011

APPROVED BY:

DARRYEL ADAMS AJV-352

COORDINATED WITH:

AOPA, NBAA, ZDC, DCA FSS, APT MGR

CHANGES:

REASONS:

2/2/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/26/2011:
1.TAKE-OFF MINIMUMS: REMOVED STANDARD CLIMB INSTRUCTIONS WITH CLIMB TO ALTITUDE, AND CLIMB GRADIENT FOR RUNWAYS 6/24, CHANGED RUNWAYS 6/24 TAKEOFF MINIMUMS FROM 400-1 TO 600-1.
2. ADDED NOTE "WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE" TO TEXUAL DEPARTURE PROCEDURES FOR RUNWAYS 6/24.
3. TEXTUAL DEPARTURE PROCEDURES: CHANGED VCOA INSTRUCTIONS RWY 6/24 TO READ "CROSS NEW MARKET AIRPORT AT OR ABOVE 3400 BEFORE PROCEEDING ON COURSE."

4/17/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/26/11.
1. CHANGED RUNWAY 6 TAKEOFF MINIMUMS FROM "600-1 OR..." TO "1100-3 WITH MINIMUM CLIMB OF 376 FT PER NM TO 3700 OR..."
2. CHANGED RUNWAY 24 TAKEOFF MINIMUMS: "600-1 OR..." TO "1100-3 WITH MINIMUM CLIMB OF 290 FT PER NM TO 3700 OR..."
3. CHANGED RWY 24 CONTROLLING OBSTACLE AND MANDATING ODP ROUTE DEVELOPMENT FROM 3859 FT MSL AAO 383345.20N/0790148.85W TO 3900 FT MSL AAO 383347.10N/0790144.10W.
4. ADDED REMARK "RWY 6/26 TAKEOFF MINIMUMS 1100-3 AND RWY 6 DEPARTURE PROCEDURE CLIMB TO 3700 PER FLIGHT INSPECTION REQUEST".
5. CHANGED TEXTUAL DEPOARTURE PROCEDURE RWY 6 FROM "047.86 TO 3300" TO "047.86 TO 3700"

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

TAKEOFF MINIMUMS ODP, new Market, New Market, VA (K8W2)

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

The computed climb gradient is 1846 feet per NM to an altitude 2738 feet above airport elevation for departures on RWY 6. The obstacle driving this climb gradient is a 1139 MSL tree (100' assumed obstacle). The computed climb gradient is 2151 feet per NM to an altitude 2738 feet above airport elevation for departures on RWY 24. The obstacle driving this climb gradient is a 1119 MSL tree (100' assumed obstacle).

Request approval to publish a minimum climb gradient of 1846 feet per NM to 3700 for RWY 6 and 2151 feet per NM to 3700 for RWY 24.

Worst case vegetation and AAOs were applied in and outside of the initial climb area based on topographical map evaluations, as there are no surveys on file. This airport is located in a valley inside mountainous terrain. In realizing that the climb gradient may not be approved, recommend use of, 400-1 with minimum climb of 376 ft per NM to 3700 or 2600-3 for climb in visual conditions, for departures on RWY 6 and 400-1 with minimum climb of 274 ft per NM to 3700 or 2600-3 for climb in visual conditions, for departures on RWY 24.

Please respond as soon as possible.