

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.
LAKE GENEVA, WI	GRAND GENEVA RESORT	31 MARCH 2016	1

**TAKEOFF MINIMUMS:**

**RWY 5:** 300-1 ¼ OR 300-1 WITH MINIMUM CLIMB OF 260 FT PER NM TO 1100.

**RWY 23:** 300-1 3/8 OR 300-1 WITH MINIMUM CLIMB OF 310 FT PER NM TO 1200.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 23:** CLIMB ON HEADING 234.08 TO 1500 BEFORE TURNING RIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 5:** TREES BEGINNING ABEAM DER, 51 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/939 FT MSL. TREES BEGINNING 456 FT FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1019 FT MSL. TREES BEGINNING 1652 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/969 FT MSL. TREES BEGINNING 2428 FT FROM DER, 459 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/989 FT MSL. TREES BEGINNING 3408 FT FROM DER, 253 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/979 FT MSL. TREES BEGINNING 4645 FT FROM DER, 1697 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/959 FT MSL. TREES BEGINNING 5477 FT FROM DER, 1005 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1019 FT MSL.

**NOTE: RWY 23:** TREES BEGINNING ABEAM DER, 86 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/949 FT MSL. TREES BEGINNING 333 FT FROM DER, 157 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/949 FT MSL. TREES BEGINNING 1467 FT FROM DER, 581 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/979 FT MSL. TREES BEGINNING 1559 FT FROM DER, 273 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1009 FT MSL. TREES BEGINNING 3094 FT FROM DER, 558 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1009 FT MSL. TREES BEGINNING 4099 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1039 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 5:** 1009 FT MSL TREE 423729.40N/0882138.00W (VISIBILITY), 1019 FT MSL TREE 423704.00N/0882248.45W (CEILING), 1019 FT MSL TREE 423728.00N/0882149.60W (CLIMB GRADIENT).

**RWY 23:** 1039 FT MSL TREE 423612.65N/0882442.30W (CEILING AND CLIMB GRADIENT), 1009 FT MSL TREE 423600.85N/0882453.95W (VISIBILITY).

OBSTACLES MANDATING ROUTE DEVELOPMENT: RWY 23 – 1315 FT MSL TOWER 423629.00N/0882633.00W.

QUALITY  
3  
CHECKED

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.
LAKE GENEVA, WI	GRAND GENEVA RESORT	31 MARCH 2016	1

**REMARKS:**

UTILIZED 100FT TREE HEIGHT TO COINCIDE WITH RNAV (GPS) RWY 23 APPROACH.  
LETTER OF APPROVAL ON FILE FOR USE OF CEILING AND VISIBILITY TO MITIGATE EXCESSIVE CLIMB GRADIENTS OF 1969 FT PER NM FOR RWY 5 AND 807 FT PER NM FOR RWY 23.

**FLIGHT INSPECTED BY:**

CHRISTOPHER FORMAN

*Digitally signed by*  
**JACOB POWERS**  
Feb 19, 2016

11/13/2015

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

STEPHEN PETERSON

AJV-5422

07/24/2015

*Digitally signed by*  
**STEPHEN PETERSON**  
Sep 01, 2015

**APPROVED BY:**

GEORGE GONZALEZ

AVJ-5420

*Digitally signed by*  
**JACOB POWERS**  
Feb 19, 2016

**COORDINATED WITH:**

ALPA, AOPA, NBAA, ZAU, AMGR

**CHANGES:**

1. CHANGED RWY 5 MINIMUMS FROM STANDARD TO "300-1 ¼ OR 300-1 WITH MINIMUM CLIMB OF 260 FT PER NM TO 1100".
2. CHANGED RWY 23 MINIMUMS FROM STANDARD TO "300-1 3/8 OR 300-1 WITH MINIMUM CLIMB OF 310 FT PER NM TO 1200".
3. CHANGED RWY 23 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMB RUNWAY HEADING TO 1500 BEFORE TURNING WESTBOUND" TO "CLIMB HEADING 234.08 TO 1500 BEFORE TURNING RIGHT."

**REASONS:**

- 1, 2. NEW OBSTACLE EVALUATION.
3. 8260.46E AAPENDIX D PARA 7A(1).

