

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
LAKE GENEVA, WI	GRAND GENEVA RESORT	7 DECEMBER 2017	1A

TAKEOFF MINIMUMS:

RWY 5: 300-1 1/4 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 237.08 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.



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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
LAKE GENEVA, WI	GRAND GENEVA RESORT	7 DECEMBER 2017	1A

REMARKS:

UTILIZED 100FT TREE HEIGHT TO COINCIDE WITH RNAV (GPS) RWY 23 APPROACH.
CEILING AND VISIBILITY USED TO MITIGATE EXCESSIVE CLIMB GRADIENTS OF 1969 FT PER NM FOR RWY 5 AND 807 FT PER NM FOR RWY 23; APPROVAL REQUEST LETTER WAS NEVER SUBMITTED DUE TO THE LIKELIHOOD OF NOT BEING APPROVED, COPY OF LETTER ON FILE.

FLIGHT INSPECTED BY:

PROCESSED IAW FLIGHT INSPECTION TEAM
SUBJECT: FLIGHT INSPECTION NOT REQUIRED

Digitally signed by

BEV L BORDY

Aug 16, 2017

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

SYLVAN DRAKES

Digitally signed by

SYLVAN DRAKES

Jul 24, 2017

OFFICE SYMBOL:

AJV-5433

DATE:

03/20/2017

APPROVED BY:

PATRICK MULQUEEN

Digitally signed by

BEV L BORDY

Aug 16, 2017

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE.

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA

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OTHER:

ZUA, AMGR.

CHANGES - REASONS:

1. UPDATED TEXTUAL DEPARTURE PROCEDURES FROM RWY 23: CLIMB ON HEADING 234.08 TO 1500 BEFORE TURNING RIGHT TO CLIMB ON HEADING 237.08 TO 1500 BEFORE TURNING RIGHT - UPDATED MAGNETIC VARIATION (MAG VAR) FOR GRAND GENEVA RESORT (KC02) FROM 1W (EPOCH YEAR 1985) TO 4W (EPOCH YEAR 2020).
2. CHANGED REMARK: 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 TO READ CEILING AND VISIBILITY USED TO MITIGATE EXCESSIVE CLIMB GRADIENTS OF 1969 FT PER NM FOR RWY 5 AND 807 FT PER NM FOR RWY 23; APPROVAL REQUEST LETTER WAS NEVER SUBMITTED DUE TO THE LIKELIHOOD OF NOT BEING APPROVED; THERE IS NO APPROVAL LETTER ON FILE IN SWIM FOR CLIMB GRADIENTS OF 1969 AND 807.

THIS DOES NOT QUALIFY AS A PERIODIC REVIEW - TACR PROJECT.

