

**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.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KBML	BERLIN	NH	3	19 MAY 2022

TAKEOFF MINIMUMS:

RWY 18: 300-1 1/4 WITH A MINIMUM CLIMB OF 380 FT PER NM TO 7700 OR STANDARD WITH MINIMUM CLIMB OF 447 FT PER NM TO 6700 OR 3400-3 FOR VCOA.

RWY 36: STANDARD WITH MINIMUM CLIMB OF 311 FT PER NM TO 4200 OR 3400-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18: CLIMBING ON HEADING 175.07 TO 4200 BEFORE PROCEEDING ON COURSE.

RWY 36: CLIMBING ON HEADING 355.07 TO 3900 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 18, 36: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS BERLIN RGNL AIRPORT AT OR ABOVE 4400 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18

TREES BEGINNING 19 FT FROM DER, 190 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/1158 FT MSL.
UTILITY LINES 44 FT FROM DER, 361 FT LEFT OF CENTERLINE, 16 FT AGL/1143 FT MSL.
TREE 73 FT FROM DER, 411 FT LEFT OF CENTERLINE, 28 FT AGL/1156 FT MSL.
TREE 189 FT FROM DER, 471 FT RIGHT OF CENTERLINE, 80 FT AGL/1173 FT MSL.
TREES BEGINNING 297 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/1191 FT MSL.
TREE 732 FT FROM DER, 578 FT LEFT OF CENTERLINE, 70 FT AGL/1189 FT MSL.
TREES BEGINNING 832 FT FROM DER, 119 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/1192 FT MSL.
TREES BEGINNING 886 FT FROM DER, 73 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/1196 FT MSL.
TREE 1987 FT FROM DER, 220 FT LEFT OF CENTERLINE, 79 FT AGL/1218 FT MSL.
TREE 2030 FT FROM DER, 327 FT RIGHT OF CENTERLINE, 58 FT AGL/1192 FT MSL.
TREES BEGINNING 2141 FT FROM DER, 278 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/1216 FT MSL.
TREE 2416 FT FROM DER, 226 FT LEFT OF CENTERLINE, 60 FT AGL/1221 FT MSL.
TREES BEGINNING 2542 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/1237 FT MSL.
TREE 3061 FT FROM DER, 193 FT RIGHT OF CENTERLINE, 83 FT AGL/1227 FT MSL.
TREE 3176 FT FROM DER, 333 FT RIGHT OF CENTERLINE, 100 FT AGL/1243 FT MSL.
TREES BEGINNING 3281 FT FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/1261 FT MSL.
TREE 3778 FT FROM DER, 175 FT RIGHT OF CENTERLINE, 58 FT AGL/1267 FT MSL.
TREE 3953 FT FROM DER, 449 FT RIGHT OF CENTERLINE, 42 FT AGL/1302 FT MSL.
TREE 4057 FT FROM DER, 28 FT LEFT OF CENTERLINE, 58 FT AGL/1281 FT MSL.
TREE 4326 FT FROM DER, 461 FT LEFT OF CENTERLINE, 60 FT AGL/1287 FT MSL.
TREE 4380 FT FROM DER, 381 FT RIGHT OF CENTERLINE, 56 FT AGL/1340 FT MSL.
TOWER, TREES BEGINNING 4455 FT FROM DER, 58 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/1379 FT MSL.
TREE 4707 FT FROM DER, 26 FT LEFT OF CENTERLINE, 81 FT AGL/1326 FT MSL.
TREES BEGINNING 4894 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1334 FT MSL.
TREES BEGINNING 5004 FT FROM DER, 208 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/1388 FT MSL.
TREE 5111 FT FROM DER, 260 FT LEFT OF CENTERLINE, 91 FT AGL/1337 FT MSL.
TREES BEGINNING 5175 FT FROM DER, 134 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/1391 FT MSL.
TREES BEGINNING 5264 FT FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/1365 FT MSL.
TREES BEGINNING 5302 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL/1393 FT MSL.

NOTE: RWY 36

TREES BEGINNING 9 FT FROM DER, 153 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/1193 FT MSL.
TREES BEGINNING 27 FT FROM DER, 114 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/1209 FT MSL.
TREES BEGINNING 149 FT FROM DER, 122 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/1212 FT MSL.
TREE 1069 FT FROM DER, 680 FT LEFT OF CENTERLINE, 80 FT AGL/1222 FT MSL.
TREES BEGINNING 1071 FT FROM DER, 350 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1224 FT MSL.
TREES BEGINNING 2350 FT FROM DER, 436 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1298 FT MSL.
TREES BEGINNING 1.5 NM FROM DER, 1451 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/1415 FT MSL.
TREES BEGINNING 2.3 NM FROM DER, 3911 FT RIGHT OF CENTERLINE, UP TO 1639 FT MSL.



AIRPORT ID

KBML

CITY

BERLIN

STATE

NH

AMDT NO

3

EFFECTIVE DATE

19 MAY 2022

CONTROLLING OBSTACLES:**RWY 18:**

1379 FT MSL TOWER 443323.27N/0711009.43W (CEILING, 447 CG)
3780 FT MSL AAO 442817.24N/0710222.96W (380 CG)
1325 FT MSL TREE 443313.48N/0710945.72W (VISIBILITY)
6460 FT MSL AAO 441615.32N/0711811.17W (7700 CGTA, 6700 CGTA)

RWY 36:

3840 FT MSL AAO 444046.06N/0712246.23W (CGTA)
1858 FT MSL TREE 443734.16N/0711239.69W (CG)

VISUAL CLIMB AREA OBSTACLE: 2419 TREE 443620.29N/0710654.31W**OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE:** 6460 FT AAO 441615.32N/0711811.17W**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:****RWY 18:** 6460 FT MSL AAO 441615.32N/0711811.17W**RWY 36:** 3840 FT MSL AAO 444046.06N/0712246.23W**REMARKS:****FLIGHT INSPECTED BY**

BOB S PRESSLER

*Digitally signed by***ALLAN WILL**

Mar 17, 2022

OFFICE

FPO

DATE

03/16/2022

DEVELOPED BY

JOSEPH BLANCO

*Digitally signed by***ALLAN WILL**

Mar 17, 2022

OFFICE

AJV-A423

DATE

12/08/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Mar 17, 2022

OFFICE

AJV-420

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBN, AMGR**CHANGES - REASONS:**

1. UPDATED RWY 18 TAKEOFF MINIMUMS FROM "300-1 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500 OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS" TO "300-1 1/4 WITH A MINIMUM CLIMB OF 380 FT PER NM TO 7700 OR STANDARD WITH MINIMUM CLIMB OF 447 FT PER NM TO 6700 OR 3400-3 FOR VCOA" - NEW OBSTACLE EVALUATION
2. UPDATED RWY 36 TAKEOFF MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 491 FT PER NM TO 2400 OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 311 FT PER NM TO 4200 OR 3400-3 FOR VCOA" - NEW OBSTACLE EVALUATION
3. CHANGED TEXTUAL DEPARTURE PROCEDURE FOR RWY 18 FROM "CLIMBING ON HEADING 175.07 TO 1500 BEFORE PROCEEDING ON COURSE" TO "CLIMBING ON HEADING 175.07 TO 4200 BEFORE PROCEEDING ON COURSE" - NEW TARGETS EVALUATION
4. CHANGED TEXTUAL DEPARTURE PROCEDURE FOR RWY 36 FROM "CLIMBING ON HEADING 355.07 TO 2400 BEFORE PROCEEDING ON COURSE" TO "CLIMBING ON HEADING 355.07 TO 3900 BEFORE PROCEEDING ON COURSE" - NEW TARGETS EVALUATION
5. CHANGED VISUAL CLIMB OVER AIRPORT ALTITUDE FROM 4300 TO 4400 - NEW TARGETS EVALUATION
6. UPDATED TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES - NEW TARGETS EVALUATION 6.0.0/DEPARTURE OBSTACLE GROUPER.

QUALITY
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CHECKED