

**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</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
BERLIN RGNL	KBML	BERLIN	NH	2	21 MAY 2020

**TAKEOFF MINIMUMS:**

**RWY 18:** 300-1 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500 OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS.

**RWY 36:** STANDARD WITH MINIMUM CLIMB OF 491 FT PER NM TO 2400 OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 18:** CLIMBING ON HEADING 175.07 TO 1500 BEFORE PROCEEDING ON COURSE.

**RWY 36:** CLIMBING ON HEADING 355.07 TO 2400 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 4300 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 18,** TREES BEGINING 19 FT FROM DER, 190 RIGHT OF CENTERLINE, UP TO 91 FT AGL/1191 MSL, TREES AND UTILITY LINES BEGINING 44 FT FROM DER, 361 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/1156 FT MSL, TREES BEGINNING 732 FT FROM DER, LEFT TO RIGHT OF CENTERLINE UP TO 78 FT AGL/1196 FT MSL, TREES BEGINNING 1987 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 86 FT AGL/1237 FT MSL, TREES BEGINNING 3061 FT FROM DER, LEFT TO RIGHT OF CENTERLINE UP TO 100 AGL/1256 FT MSL, TREES BEGINNING 3778 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 58 FT AGL/1281 FT MSL, TREES AND TOWER BEGINNING 4380 FT FROM DER, 381 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/1379 FT MSL, TREES BEGINNING 4632 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 114 FT AGL/1393 FT MSL

**NOTE: RWY 36,** TREES AND VEGETATION BEGINING 9 FT FROM DER, 153 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/1212 FT MSL, TREES BEGINING 27 FT FROM DER, 203 FT RT OF CENTERLINE, UP TO 73 FT AGL/1209 FT MSL, TREES BEGINING 819 FT FROM DER LEFT TO RIGHT OF CENTERLINE, UP TO 76 FT AGL/1196 FT MSL, TREES 1169 FT FROM DER, 350 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1124 FT MSL, TREES BEGINNING 2350 FT FROM DER, 436 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1298 MSL. TREES BEGINNING 1.6 NM FROM DER, 1451 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL, 1457 FT MSL, TREES BEGINNING 2.3 NM FROM DER, 4104 FT RIGHT OF CENTERLINE, UP TO 87 FT AGL/1600 MSL.

**CONTROLLING OBSTACLES:**

**RWY 18:** 1379 FT MSL TOWER 443323.27N/0711009.43W (CLIMB GRADIENT), 6374 FT MSL TOWER 441611.00N/0711814.00W (CLIMB-TO ALTITUDE).

**RWY 36:** 1858 FT MSL TREE 443734.16N/0711239.69W (CLIMB GRADIENT), 6374 FT MSL TOWER 441611.00N/0711814.00W (CLIMB-TO ALTITUDE).

**VISUAL CLIMB AREA OBSTACLE: RWY 18,36:** 2265 FT MSL TREE 443715.74N/0710834.58W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: **RWY 18, 36:** 6374 FT MSL TOWER 441611.00N/0711814.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: **RWY 36,** 2039 FT MSL TREE 443645.25N/0710906.10W.

**REMARKS:**

<b>FLIGHT INSPECTED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	
DURLEY J FELDER	<b>JOHN BORDY</b>	FICO	3/11/2020	
	Mar 13, 2020			
<b>DEVELOPED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	
JOHN BORDY (ANA VEGA)	<b>JOHN BORDY</b>	AJV-A422	12/27/2019	
	Mar 13, 2020			
<b>APPROVED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
MARLON ROBINSON	<b>JOHN BORDY</b>	AJV-A420		MANAGER
	Mar 13, 2020			

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBN, AMGR.

**CHANGES - REASONS:**

1. DELETED ALL REFERENCES TO BML VOR/DME - VOR MON DECOMMISSIONED.

2. UPDATED TAKEOFF MINIMUMS NOTES FOR RWY 18 FROM "STANDARD WITH MINIMUM CLIMB OF 462 FEET PER NM TO 4000 OR 3500-3 FOR CLIMB IN VISUAL CONDITIONS" TO "300-1 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500 OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS" - NEW OBSTACLE EVALUATION.

QUALITY  
8  
CHECKED

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>EFFECTIVE DATE</u>
BERLIN RGNL	KBML	BERLIN	NH	2	21 MAY 2020

3. UPDATED TAKEOFF MINIMUMS NOTES FOR RWY 36 FROM "STANDARD WITH MINIMUM CLIMB OF 400 FEET PER NM TO 4400 OR 3500-3 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 491 FT PER NM TO 2400 OR 3300-3 FOR CLIMB IN VISUAL CONDITIONS" - NEW OBSTACLE EVALUATION.
4. CHANGED TEXTUAL DEPARTURE PROCEDURE RWY 18 FROM "CLIMBING RIGHT TURN TO 7000 DIRECT BML VOR/DME, CONTINUE CLIMB IN BML VOR/DME HOLDING PATTERN, HOLD SW, LEFT TURNS, 030.00 INBOUND, TO CROSS BML VOR/DME AT OR ABOVE THE MEA FOR DIRECTION OF FLIGHT, OR FOR CLIMB IN VISUAL CONDITIONS CROSS BERLIN RGNL AIRPORT AT OR ABOVE 4500 BEFORE PROCEEDING ON COURSE." TO "CLIMBING ON HEADING 175.07 TO 1500 BEFORE PROCEEDING ON COURSE." - BML VOR/DME DECOMMISSIONED.
5. CHANGED TEXTUAL DEPARTURE PROCEDURE RWY 36 FROM "CLIMBING RIGHT TURN TO 7000 DIRECT BML VOR/DME, CONTINUE CLIMB IN BML VOR/DME HOLDING PATTERN, HOLD SW, LEFT TURNS, 030.00 INBOUND, TO CROSS BML VOR/DME AT OR ABOVE THE MEA FOR DIRECTION OF FLIGHT, OR FOR CLIMB IN VISUAL CONDITIONS CROSS BERLIN RGNL AIRPORT AT OR ABOVE 4500 BEFORE PROCEEDING ON COURSE." TO "CLIMBING ON HEADING 355.07 TO 2400 BEFORE PROCEEDING ON COURSE." - BML VOR/DME DECOMMISSIONED
6. UPDATED TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES - NEW TARGETS EVALUATION 6.0.0/DEPARTURE OBSTACLE GROUPER.
7. ADDED VCOA INSTRUCTIONS - PER CURRENT CRITERIA IAW 8260.46G.
8. ADDED "OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE" - PER CURRENT CRITERIA IAW 8260.46G.
9. ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT" - PER CURRENT CRITERIA IAW 8260.46G

