

**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>
KPNA	PINEDALE	WY	3	06/15/2023

**TAKEOFF MINIMUMS:**

RWY 11: STANDARD.

RWY 29: STANDARD WITH MINIMUM CLIMB OF 336 FT/NM TO 8300, OR 5000-5 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 11: CLIMBING RIGHT TURN TO 10000 ON HEADING 190 AND BPI VOR/DME R-046 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE.

RWY 29: CLIMBING LEFT TURN TO 10000 ON HEADING 230 AND BPI VOR/DME R-026 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

RWY 29: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS RALPH WENZ FLD AIRPORT AT OR ABOVE 11900 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

RWY 11: SIGN, NAVAID BEGINNING 25 FT FROM DER, 127 FT LEFT OF CENTERLINE, UP TO 3 FT AGL/7071 FT MSL. NAVAID 39 FT FROM DER, 126 FT RIGHT OF CENTERLINE, 2 FT AGL/7070 FT MSL. FENCE, VERTICAL POINT BEGINNING 115 FT FROM DER, 400 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/7075 FT MSL. VEHICLE ON ROAD 170 FT FROM DER, 520 FT RIGHT OF CENTERLINE, 7083 FT MSL. VEHICLES ON ROADS BEGINNING 306 FT FROM DER, 414 FT RIGHT OF CENTERLINE, UP TO 7084 FT MSL.

RWY 29: FENCE 30 FT FROM DER, 410 FT LEFT OF CENTERLINE, 7 FT AGL/7097 FT MSL. NAVAID 39 FT FROM DER, 89 FT RIGHT OF CENTERLINE, 5 FT AGL/7099 FT MSL. NAVAID 39 FT FROM DER, 91 FT LEFT OF CENTERLINE, 7 FT AGL/7099 FT MSL. VEHICLES ON ROADS BEGINNING 236 FT FROM DER, 535 FT LEFT OF CENTERLINE, UP TO 7109 FT MSL. VEHICLE ON ROAD 520 FT FROM DER, 537 FT LEFT OF CENTERLINE, 7110 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 29: 7939 FT MSL AAO 424830.68N/1095401.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 11: 12019 FT MSL AAO 425952.34N/1093523.74W, 13899 FT MSL AAO 430730.00N/1093708.00W, RWY 29: 13899 FT MSL AAO 430730.00N/1093708.00W.

VISUAL CLIMB AREA OBSTACLE: 7999 FT MSL AAO 425121.16N/1094142.23W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 13899 FT MSL AAO 430730.00N/1093708.00W.

**REMARKS:**

1. KPNA MAG VAR: 13E/2005.
2. BPI VOR/DME MAG VAR: 10E/2025.
3. VEGETATION HEIGHT USED: 50 FT PER WFPT.
4. NO CHANGE MADE IN GROUND TRACK - BPI VOR/DME MAG VAR: OLD 16E-NEW E10.

**FLIGHT INSPECTED BY**

PENDING

*Digitally signed by*

**DAVID TEFFETELLER**

Mar 17, 2023

**OFFICE**

**DATE**

**DEVELOPED BY**

WILLIAM HANBY

*Digitally signed by*

**DAVID TEFFETELLER**

Mar 17, 2023

**OFFICE**

AJV-A432

**DATE**

01/20/2023

**APPROVED BY**

JOHNNIE BAKER III

*Digitally signed by*

**DAVID TEFFETELLER**

Mar 17, 2023

**OFFICE**

AJV-A430

**DATE**

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE:**

06/15/2023

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒

**OTHER:**

ZLC, APT MGR.

**CHANGES - REASONS:**

1. TAKEOFF MINIMUMS: CHANGED FROM "RWY 29, STANDARD WITH MINIMUM CLIMB OF 310 FEET PER NM TO 8300, OR 4900-3 FOR CLIMB IN VISUAL CONDITIONS" TO "STANDARD WITH MINIMUM CLIMB OF 336 FT/NM TO 8300, OR 5000-5 FOR VCOA." - NEW CONTROLLING OBSTACLE, THIS AMENDMENT IS DUE TO BPI VOR/DME MAG VAR CHANGE FROM 16E/1975 TO 10E/2025 WITH NO CHANGE TO GROUND TRACK, VISIBILITY INCREASED PER FAAO 8260.3E, PARA 13-4-4.A.

2. TEXTUAL DEPARTURE PROCEDURES: CHANGED FROM "RWY 11: CLIMBING RIGHT TURN TO 10000 VIA HEADING 190 AND BPI R-040 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE. RWY 29: CLIMBING LEFT TURN TO 10000 VIA HEADING 230 AND BPI R-020 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS PINEDALE/RALPH WENZ FIELD AT OR ABOVE 11800 BEFORE PROCEEDING ON COURSE." TO "RWY 11: CLIMBING RIGHT TURN TO 10000 ON HEADING 190 AND BPI VOR/DME R-046 TO BPI VOR/DME

QUALITY  
50  
CHECKED

AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
KPNA	PINEDALE	WY	3	06/15/2023

BEFORE PROCEEDING ON COURSE. RWY 29: CLIMBING LEFT TURN TO 10000 ON HEADING 230 AND BPI VOR/DME R-026 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE." - THIS AMENDMENT IS DUE TO BPI VOR/DME MAG VAR CHANGE FROM 16E/1975 TO 10E/2025 WITH NO CHANGE TO GROUND TRACK, VOR/DME FACILITY TYPE ADDED TO BPI RADIALS PER FAAO 8260.46J, APPENDIX D., SECTION 1. PARA 2.F.(1)(B).

3. ADDED "VISUAL CLIMB OVER AIRPORT: RWY 29: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS RALPH WENZ FLD AIRPORT AT OR ABOVE 11900 BEFORE PROCEEDING ON COURSE." - NEW FORMS FORMAT, PHRASEOLOGY PER FAAO 8260.46J, APPENDIX D., SECTION 1. PARA 2.G., AND OBSTACLES FROM MAP STUDY.

4. TAKEOFF OBSTACLE NOTES: ADDED LOW CLOSE-IN OBSTACLES - UPDATED OBSTACLE SURVEY.

5. CONTROLLING OBSTACLES: CHANGED FROM "RWY 11: 14004 MSL AAO 431057.60N/1093912.50W. RWY 29: 14004 MSL AAO 431057.60N/1093912.50W, 7950 MSL AAO 424913.10N/1095429.70W. VCOA: 13945 MSL AAO 430741.40N/1093627.00W, 7950 MSL AAO 424913.10N/1095429.70W." TO "RWY 29: 7939 FT MSL AAO 424830.68N/1095401.00W. OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 11: 12019 FT MSL AAO 425952.34N/1093523.74W, 13899 FT MSL AAO 430730.00N/1093708.00W, RWY 29: 13899 FT MSL AAO 430730.00N/1093708.00W. VISUAL CLIMB AREA OBSTACLE: 7999 FT MSL AAO 425121.16N/1094142.23W. OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 13899 FT MSL AAO 430730.00N/1093708.00W." - TARGETS CALCULATIONS FROM OBSTACLE MAP STUDY OF TERRAIN.

