

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

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>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
PVINE	FIVE	PVINE5.PVINE	FOUR	11/03/2022	<b>15JUNE2023</b>
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:****TAKEOFF RWY 35L:** CLIMB ON HEADING 347.12 TO 4920, THEN DIRECT PVINE, THENCE ...**TAKEOFF RWY 35R:** CLIMB ON HEADING 347.11 TO 4920, THEN DIRECT PVINE, THENCE ...

...MAINTAIN FL190 OR ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 5 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
CRDDZ	PVINE5.CRDDZ	PVINE	CRDDZ	TRACK 265.12	8.66	8400	8400	AT/ABOVE 10000
HALLE	PVINE5.HALLE	PVINE	HALLE	TRACK 318.98	18.29	9400	9400	AT/ABOVE 14000
PYGOW	PVINE5.PYGOW	PVINE	RBBRY	TRACK 036.80	9.47	8600	8400	BETWEEN 9600 AND 11000
		RBBRY	PYGOW	TRACK 034.21	23.36	10200	10200	AT/ABOVE 17000

**PROCEDURAL DATA NOTES:**

NOTE: FOR NON GPS EQUIPPED AIRCRAFT HZN MUST BE OPERATIONAL FOR PYGOW TRANSITION.

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT

**TAKEOFF MINIMUMS:****RWYS 8:** NA-ATC.**RWY 35L:** STANDARD WITH MINIMUM CLIMB OF 380 FT/NM TO 6900.**RWY 35R:** STANDARD WITH MINIMUM CLIMB OF 375 FT/NM TO 6900.**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLES DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:****RWY 35L:** 5668 FT MSL TOWER (32-025385) 393502.64N/1194755.49W (CLIMB GRADIENT), 6340 FT MSL AAO 393901.21N/1194608.58W (CLIMB-TO ALTITUDE)**RWY 35R:** 5668 FT MSL TOWER (32-025385) 393502.64N/1194755.49W (CLIMB GRADIENT), 6340 FT MSL AAO 393901.21N/1194608.58W (CLIMB-TO ALTITUDE)**MSA:**

MSA FROM KRNO, 12000

**LOST COMMUNICATIONS PROCEDURES:**

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
PVINE	FIVE	PVINE5.PVINE	FOUR	11/03/2022	15JUNE2023

**ADDITIONAL FLIGHT DATA:**

AIRPORT MV: RNO 13E/2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: FL190.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KRNO	RENO	NV

**COMMUNICATIONS:**

CHART:ATIS, CLNC DEL, GND CON, RENO TOWER.

**FIXES AND/OR NAVAIDS:****REMARKS:****FLIGHT INSPECTED BY**

TROY E DEVINE

*Digitally signed by*  
**DAVID TEFFETELLER**  
Mar 08, 2023

**OFFICE**

FICO

**DATE**

2/9/2023

**DEVELOPED BY**

TYLER MITCHELL

*Digitally signed by*  
**TYLER D MITCHELL**  
Mar 01, 2023

**OFFICE**

AJV-A432

**DATE**

12/02/2022

**APPROVED BY**

CASIMIR TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
Mar 02, 2023

**OFFICE**

AJV-A432

**DATE****TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOA, RNO ATCT, AMGR

**CHANGES - REASONS:**

1.CHANGED FROM PVINE FOUR TO PVINE FIVE-CRITERIA REVIEW.

2.REMOVED CRITICAL DMES FMG AND SWR FROM HALLE TRANSITION-NEW DME/DME ASSESSMENT.

3.REMOVED CRITICAL DME FMG FROM PYGOW TRANSITION-NEW DME/DME ASSESSMENT.

4.MOVED PVINE WP 3.19 NM NORTH-MITIGATE EXCESSIVE CLIMB GRADIENT.

5.ADDED ALTITUDE RESTRICTION OF AT OR ABOVE 8500 AT PVINE WP-MCA CRITERIA.

6.CHANGED RWY 35L CHARTED TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 383 FT/NM TO 12000 TO STANDARD WITH MINIMUM CLIMB OF 370 FT/NM TO 6900-NEW TERRAIN/OBSTACLE EVALUATION.

7.CHANGED RWY 35R CHARTED TAKEOFF MINIMUMS FROM CEILING AND VISIBILITY 400-1 ½ WITH MINIMUM CLIMB OF 383 FT/NM TO 12000, OR STANDARD WITH MINIMUM CLIMB OF 411 FT/NM TO 4900, THEN MINIMUM CLIMB OF 383 FT/NM TO 12000 TO STANDARD WITH MINIMUM CLIMB OF 370 FT/NM TO 6900. - NEW TERRAIN/OBSTACLE EVALUATION, OBSTACLES DO NOT SUPPORT CIELING AND VIS MINS.

8.REMOVED HIWAA WP ON THE PYGOW TRANSITION-ATC REQUEST.

9.CHANGED ALTITUDE RESTRICTION AT RBBRY WP ON THE PYGOW TRANSITION FROM AT OR BELOW 11000 TO AT OR ABOVE 9600 AND AT OR BELOW 11000 -MCA CRITERIA.

10.CHANGED MEA FROM 9000 TO 8400 ON ROUTE FROM PVINE TO CRDDZ-NEW TERRAIN/OBSTACLE EVALUATION.

11.CHANGED MOCA FROM 8600 TO 8400 ON ROUTE FROM PVINE TO CRDDZ-NEW TERRAIN/OBSTACLE EVALUATION.

12.CHANGED MEA FROM 14000 TO 9400 ON ROUTE FROM PVINE TO HALLE-NEW TERRAIN/OBSTACLE EVALUATION.



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13.CHANGED MOCA FROM 10000 TO 9400 ON ROUTE FROM PVINE TO HALLE-NEW TERRAIN/OBSTACLE EVALUATION.  
14.ADDED MEA 8600 ON ROUTE FROM PVINE TO RBBRY-TO ELIMINATE FMG CRITICAL DME.  
15.ADDED MOCA 8400 ON ROUTE FROM PVINE TO RBBRY-NEW TERRAIN/OBSTACLE EVALUATION.  
16.CHANGED MEA FROM 13000 TO 10200 ON ROUTE FROM RBBRY TO PYGOW-NEW TERRAIN/OBSTACLE EVALUATION.  
17.CHANGED MOCA FROM 10500 TO 10200 ON ROUTE FROM RBBRY TO PYGOW-NEW TERRAIN/OBSTACLE EVALUATION.

3/1/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 1/5/2023.

1. TAKEOFF MINIMUMS FOR RWY 35L CHANGED FROM STANDARD WITH MINIMUM CLIMB GRADIENT OF 370 FT/NM TO 6900 TO MINIMUM CLIMB OF 380 FT/NM TO 6900.
2. TAKEOFF MINIMUMS FOR RWY 35R CHANGED FROM STANDARD WITH MINIMUM CLIMB GRADIENT OF 370 FT/NM TO 6900 TO MINIMUM CLIMB OF 375 FT/NM TO 6900.



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

DP NAME					NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
PVINE					FIVE		PVINE5.PVINE		FOUR	11/03/2022	15JUNE2023
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW35L (AER)*	392910.91N/1194609.45W	N	-	-	-	-				*DISPL THLD (990.0 FT)	
4920 MSL	-	-	-	VA	000.11	-	AT/ABOVE 4920			CG 380 FT PER NM TO 6900	
PVINE	393902.11N/1194553.83W	Y	FB	DF	-	-	AT/ABOVE 8500				
RW35R (AER)	392920.89N/1194600.50W	N	-	-	-	-					
4920 MSL	-	-	-	VA	000.12	-	AT/ABOVE 4920			CG 375 FT PER NM TO 6900	
PVINE	393902.11N/1194553.83W	Y	FB	DF	-	-	AT/ABOVE 8500				
PVINE	393902.11N/1194553.83W	Y	-	IF	-	-	AT/ABOVE 8500			PVINE5.CRDDZ	
CRDDZ	394015.08N/1195700.33W	Y	FB	TF	278.12	8.66	AT/ABOVE 10000				
PVINE	393902.11N/1194553.83W	Y	-	IF	-	-	AT/ABOVE 8500			PVINE5.HALLE	
HALLE	395511.21N/1195703.90W	Y	FB	TF	331.98	18.29	AT/ABOVE 14000				
PVINE	393902.11N/1194553.83W	Y	-	IF	-	-	AT/ABOVE 8500			PVINE5.PYGOW	
RBBRY	394508.81N/1193631.06W	Y	FB	TF	049.80	9.47	9600B11000				
PYGOW	400059.58N/1191412.18W	Y	FB	TF	047.21	23.36	AT/ABOVE 17000				

