

**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SUPERSEDED NUMBER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	FOUR	PVINE4.PVINE	THREE	02/04/2016	03NOV2022

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

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	PVINE4.CRDDZ	PVINE	CRDDZ	284.43	9.58	9000	8600	AT/ABOVE 10000
HALLE	PVINE4.HALLE	PVINE	HALLE	323.23	21.13	14000	10000	AT/ABOVE 14000
PYGOW	PVINE4.PYGOW	PVINE	HIWAA	025.30	7.07	-	8900	AT/BELOW 10000
		HIWAA	RBBRY	025.04	4.76	-	8900	AT/BELOW 11000
		RBBRY	PYGOW	034.21	23.36	13000	10500	AT/ABOVE 17000

PROCEDURAL DATA NOTES:

NOTE: FOR NON GPS EQUIPPED AIRCRAFT, FMG AND SWR MUST BE OPERATIONAL FOR HALLE TRANSITION.

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

PBN REQUIREMENTS NOTES:

RNAV 1-DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

TAKEOFF MINIMUMS:**RWYS 8, 26, 17L/R:** NA-ATC.**RWY 35L:** STANDARD WITH MINIMUM CLIMB OF 383 FT PER NM TO 12000.**RWY 35R:** 400-1 ½ WITH MINIMUM CLIMB OF 383 FT PER NM TO 12000, OR STANDARD WITH MINIMUM CLIMB OF 411 FT PER NM TO 4900, THEN MINIMUM CLIMB OF 383 FT PER NM TO 12000.**TAKEOFF OBSTACLES NOTES:**

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

CONTROLLING OBSTACLES:**RWY 35L:** 5668 FT MSL TOWER 393503.00N/1194759.00W**RWY 35R:** 4780 FT MSL BUILDING 393200.00N/1194538.00W, 5668 FT MSL TOWER 393503.00N/1194759.00W

QUALITY
22
CHECKED

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PVINE	FOUR	PVINE4.PVINE	THREE	02/04/2016	03NOV2022

MSA:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KRNO 13E/EPOCH YEAR 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.

CHART:CLNC DEL.

CHART:GND CON.

CHART:RENO TOWER.

FIXES AND/OR NAVAIDS:

REMARKS:

383 FEET PER NM CLIMB GRADIENTS LISTED ARE REQUIRED TO ENSURE DME/DME/IRU OPERATIONS PER RNAV PRO ASSESSMENT. RWY 35L ONLY REQUIRED A 375 OBSTACLE CLIMB GRADIENT. 100 FOOT VEGETATION TO MATCH ILS IAP BEING DEVELOPED FOR SAME CHART CYCLE.

FLIGHT INSPECTED BY

OFFICE

DATE

Digitally signed by

DAVID TEFFETELLER

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 7/7/2021, SUBJECT: GUIDANCE FOR PROCEDUAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION. Aug 18, 2022

DEVELOPED BY

Digitally signed by

TARA N MARTINELLI

OFFICE

DATE

TARA N. MARTINELLI

AJV-A431

06/21/2022

Jun 21, 2022

APPROVED BY

Digitally signed by

ERIC N SUSKI

OFFICE

DATE

TITLE

CASIMIRE TABAKA

Jul 18, 2022

AJV-A430

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. CHANGED FROM PVINE THREE TO PVINE FOUR - DUE TO MAGNETIC VARIATION AND RUNWAY RENUMBERING.
2. CHANGED KRNO AIRPORT REFERENCE MAGNETIC VARIATION FROM REFERENCE MAG VAR: KRNO 16E/EPOCH YEAR 1985 TO MAG VAR: KRNO 13E/2020 - DUE TO MAGNETIC VARIATION.
3. ALL TRACKS AND HEADINGS INCREASED THREE DEGREES - DUE TO MAGNETIC VARIATION.
4. KRNO RUNWAY DESIGNATIONS CHANGED FROM 7,16L/R, 25 AND 34L/R TO 8,17L/R,26 AND 35L/R - DUE TO MAGNETIC VARIATION AND RUNWAY RENUMBERING.
5. CHANGED CLIMB HEADING TO CLIMB ON HEADING – PER 8260.46H 2-1-1 G. (1).
6. MOVED RNAV 1 – DME/DME/IRU OR GPS FROM PROCEDURAL DATA NOTES TO PBN REQUIREMENT NOTES – REQUIRED DOCUMENTATION PER 8260.46H APPENDIX E.

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PVINE	FOUR	PVINE4.PVINE	THREE	02/04/2016	03NOV2022
7. MOVED RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES – REQUIRED DOCUMENTATION PER 8260.46H APPENDIX E.					
9. TAKEOFF OBSTACLES NOTES REMOVED AND REPLACED WITH NOTE SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLES DEPARTURE PROCEDURES (ODP) - PER 8260.46H APPENDIX E.					
10. REMOVED DEPARTURE CONTROL FREQUENCY – WILL BE CHARTED AUTOMATICALLY PER 8260.46H 2-1-1 E.(1)					



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
PVINE						FOUR	PVINE4.PVINE	THREE	02/04/2016	03NOV2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RWY 35L (AER)*	392910.91N/1194609.45W	N	-	-	-	-	-	-	* DISPL THLD (990 FT)	
4920 MSL	-	-	-	VA	000.12	-	-	-	CG 383 FT PER NM TO 12000	
PVINE	393550.70N/1194559.81W	Y	FB	DF	-	-	-	-	-	
RWY 35R (AER)	392920.89N/1194600.49W	N	-	-	-	-	-	-	-	
4920 MSL	-	-	FB	VA	000.11	-	-	-	CG 411 FT PER NM TO 4900	
PVINE	393550.70N/1194559.81W	Y	FB	DF	-	-	-	-	CG 383 FT PER NM TO 12000	
PVINE	393550.70N/1194559.81W	-	-	IF	-	-	-	-	PVINE4.CRDDZ	
CRDDZ	394015.08N/1195700.33W	Y	FB	TF	297.43	9.58	AT/ABOVE 10000	-	-	
PVINE	393550.70N/1194559.81W	-	-	IF	-	-	-	-	PVINE4.HALLE	
HALLE	395511.21N/1195703.90W	Y	FB	TF	336.23	21.13	AT/ABOVE 14000	-		
PVINE	393550.70N/1194559.81W	-	-	IF	-	-	-	-	PVINE4.PYGOW	
HIWAA	394123.69N/1194019.28W	Y	FB	TF	038.30	7.07	AT/BELOW 10000			
RBBRY	394508.81N/1193631.06W	Y	FB	TF	038.04	4.76	AT/BELOW 11000			
PYGOW	400059.58N/1191412.18W	Y	FB	TF	047.21	23.36	AT/ABOVE 17000			

QUALITY
22
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