

**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.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
BERNI	THREE	BERNI3.BERNI	TWO	04/30/2015	01 FEB 2018
<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 type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13R: CLIMB HEADING 127.57 TO 720, THEN CLIMBING RIGHT TURN DIRECT JERUX, THEN ON TRACK 195.50 TO BERNI, THENCE...

TAKEOFF RWY 31L: CLIMB HEADING 307.59 TO 720, THEN CLIMBING LEFT TURN DIRECT HETAT, THEN ON TRACK 179.01 TO SANKR, THEN ON TRACK 178.73 TO BERNI, THENCE...

...ON (TRANSITION) MAINTAIN ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 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>
EASON	BERNI3.EASON	BERNI	EASON	TRACK 171.95	37.62	4300	3900	
EUGENE	BERNI3.EUG	BERNI	EUG VORTAC	TRACK 164.63	60.01	3800	3400	
FAMUK	BERNI3.FAMUK	BERNI	FAMUK	TRACK 159.27	37.38	3500	3100	
HARPR	BERNI3.HARPR	BERNI	HARPR	TRACK 158.81	159.03	7500	7100	

PROCEDURAL DATA NOTES:

NOTE: GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.

TAKEOFF MINIMUMS:

RWY 2, 13L, 20, 31R: NA-ATC.

RWY 13R, 31L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 720.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 13R, POLE 38 FT FROM DER, 150 FT LEFT OF CENTERLINE, 4 FT AGL/200 FT MSL.

SIGN 72 FT FROM DER, 299 FT RIGHT OF CENTERLINE, 5 FT AGL/201 FT MSL.

TREE 1030 FT FROM DER, 754 FT RIGHT OF CENTERLINE, 260 FT MSL.

TREE 1103 FT FROM DER, 613 FT LEFT OF CENTERLINE, 234 FT MSL.

TREES BEGINNING 1835 FT FROM DER, 172 FT LEFT OF CENTERLINE, UP TO 307 FT MSL.

TREE 2458 FT FROM DER, 434 FT RIGHT OF CENTERLINE, 263 FT MSL.

TREE 2617 FT FROM DER, 230 FT RIGHT OF CENTERLINE, 274 FT MSL.

TREES BEGINNING 2666 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 290 FT MSL.

TREES BEGINNING 3343 FT FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 316 FT MSL.

TREE 3388 FT FROM DER, 124 FT RIGHT OF CENTERLINE, 320 FT MSL.

TREE 3417 FT FROM DER, 154 FT RIGHT OF CENTERLINE, 321 FT MSL.

TREE 3490 FT FROM DER, 578 FT RIGHT OF CENTERLINE, 322 FT MSL.

TREES BEGINNING 3529 FT FROM DER, 28 FT RIGHT OF CENTERLINE, UP TO 326 FT MSL.

TREE 3625 FT FROM DER, 218 FT LEFT OF CENTERLINE, 308 FT MSL.

TREES BEGINNING 3736 FT FROM DER, 12 FT LEFT OF CENTERLINE, UP TO 328 FT MSL.

QUALITY
3
CHECKED

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BERNI	THREE	BERNI3.BERNI	TWO	04/30/2015	01 FEB 2018

TREES BEGINNING 3844 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 334 FT MSL.
TREES BEGINNING 4454 FT FROM DER, 506 FT RIGHT OF CENTERLINE, UP TO 342 FT MSL.
TREE 5186 FT FROM DER, 639 FT RIGHT OF CENTERLINE, 343 FT MSL.
TREE 5264 FT FROM DER, 704 FT RIGHT OF CENTERLINE, 348 FT MSL.

NOTE: RWY 31L, TREES BEGINNING 1663 FT FROM DER, 625 FT RIGHT OF CENTERLINE, UP TO 271 FT MSL.

CONTROLLING OBSTACLES:

RWY 13R: 351 FT MSL TREE 453120.61N/1225602.57W

RWY 31L: 379 FT MSL TREE 453352.72N/1225810.28W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: ASSIGNED BY ATC
REFERENCE MAG VAR: KHIO 16E EPOCH YR: 2010
DME/DME/IRU ASSESSMENT: NOT CONDUCTED

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
PORTLAND-HILLSBORO	PORTLAND	OR

COMMUNICATIONS:

ATIS, GND CON, HIO ATCT, PORTLAND DEP CON

FIXES AND/OR NAVAIDS:

REMARKS:

ATC REQUEST TO NOT CHART RWY 2/20 OR RWY 13L/31R ON THIS DEPARTURE SINCE THIS PROCEDURE IS ONLY FOR JETS AND THE PRIMARY RUNWAY FOR JET DEPARTURES IS 13R/31L.
ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY:

CHARLES D. CUNNINGHAM
(FLIGHT INSPECTION NOT REQUIRED)

Digitally signed by
ROBERT G HAMILTON
Aug 21, 2017

OFFICE SYMBOL:

FICO

DATE:

02/03/2015

DEVELOPED BY:

LUCAS MCCLOUD

Digitally signed by
LUCAS MCCLOUD
Aug 01, 2017

OFFICE SYMBOL:

AJV-5422

DATE:

07/31/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Aug 21, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

QUALITY
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BERNI	THREE	BERNI3.BERNI	TWO	04/30/2015	01 FEB 2018

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZSE, PDX APP CON, AMGR

CHANGES - REASONS:

1. TAKEOFF OBSTACLE NOTES: OBSTACLES REGROUPED VIA DEPARTURE OBS GROUPE - PER TARGETS BUILD AND CURRENT OBS DB (NO LONGER CHARTED PER IFP POLICY EMAIL 7/7/17).
2. ADDED CONTROLLING OBSTACLES - SAME AS EXISTING, WAS LEFT OFF PREVIOUS AMENDMENT.

THIS IS A MINOR AMENDMENT AND DOES NOT QUALIFY AS A PERIODIC REVIEW.
FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW FLIGHT INSPECTION TEAM (AJW-333) MEMO, MAY 30, 2017.



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

01 FEB 2018

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
BERNI							THREE	BERNI3.BERNI	TWO	04/30/2015	
											01 FEB 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW13R (AER)	453258.59N/1225734.21W	N	-	-	-	-					
720 MSL	-	-	-	VA	143.57	-				CG 500 FT/NM TO 720	
JERUX	452005.00N/1230122.00W	Y	FB	DF	-	-				RIGHT TURN	
BERNI	450715.37N/1231227.60W	Y	FB	TF	211.50	15.04					
RW31L (AER)	453206.16N/1225639.16W	N	-	-	-	-					
720 MSL	-	-	-	VA	323.59	-				CG 500 FT/NM TO 720	
HETAT	453344.00N/1230231.00W	Y	FB	DF	-	-				LEFT TURN	
SANKR	452117.00N/1230715.00W	Y	FB	TF	195.01	12.89					
BERNI	450715.37N/1231227.60W	Y	FB	TF	194.73	14.50					
BERNI	450715.37N/1231227.60W	Y	-	IF	-	-				BERNI3.EASON	
EASON	443000.00N/1231944.00W	Y	FB	TF	187.95	37.62					
BERNI	450715.37N/1231227.60W	Y	-	IF	-	-				BERNI3.EUG	
EUG VORTAC	440715.24N/1231322.19W	Y	FB	TF	180.63	60.01					
BERNI	450715.37N/1231227.60W	Y	-	IF	-	-				BERNI3.FAMUK	
FAMUK	443000.00N/1230809.00W	Y	FB	TF	175.27	37.38					
BERNI	450715.37N/1231227.60W	Y	-	IF	-	-				BERNI3.HARPR	
HARPR	422850.00N/1225301.54W	Y	FB	TF	174.81	159.03					

QUALITY
3

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