

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u>
CHISM	FOUR	CHISM4.CHISM	THREE	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 LEFT TURN DIRECT GERDD, THEN ON DEPICTED ROUTE TO CHISM, THENCE...**TAKEOFF RWY 31L:** CLIMB HEADING 307.59 TO 720, THEN CLIMBING LEFT TURN DIRECT HETAT, THEN ON DEPICTED ROUTE TO CHISM, 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>
DESCHUTES	CHISM4.DSD	CHISM	DSD VORTAC	TRACK 126.88	60.67	12700	12700	
KIMBERLY	CHISM4.IMB	CHISM	IMB VOR/DME	TRACK 086.54	107.09	8200	8200	
JOGEN	CHISM4.JOGEN	CHISM	JOGEN	TRACK 137.83	48.95	12700	12700	
PAWLI	CHISM4.PAWLI	CHISM	PAWLI	TRACK 138.51	124.66	12700	12700	
RIELY	CHISM4.RIELY	CHISM	RIELY	TRACK 107.75	150.35	9600	9600	
SMIGE	CHISM4.SMIGE	CHISM	SMIGE	TRACK 138.30	80.78	12700	12700	

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 OBSTACLE 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.

QUALITY
3
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01 FEB 2018

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.
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:

FORAS, EMELY

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.

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CHISM	FOUR	CHISM4.CHISM	THREE	04/30/2015	
FLIGHT INSPECTED BY: CHARLES D. CUNNINGHAM (FLIGHT INSPECTION NOT REQUIRED)		<i>Digitally signed by</i> ROBERT G HAMILTON Aug 21, 2017		OFFICE SYMBOL: FICO	DATE: 02/03/2015
DEVELOPED BY: LUCAS MCCLOUD		<i>Digitally signed by</i> LUCAS MCCLOUD Aug 08, 2017		OFFICE SYMBOL: AJV-5422	DATE: 08/01/2017
APPROVED BY: JULIE MORGAN		<i>Digitally signed by</i> ROBERT G HAMILTON Aug 21, 2017		OFFICE SYMBOL: AJV-5420	DATE:
REQUIRED EFFECTIVE DATE: ROUTINE					
COORDINATED WITH:					
A4A	ALPA	AOPA	APA	HAI	NBAA
<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 GROUPER - PER TARGETS BUILD AND CURRENT OBS DB (NO LONGER CHARTED PER IFP POLICY EMAIL 7/7/17). 2. IMB CHANGED FROM VORTAC TO VOR/DME.					
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.					

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**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
CHISM		FOUR		CHISM4.CHISM		THREE		04/30/2015	01 FEB 2018
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW13R (AER)	453258.59N/1225734.21W	N	-	-	-	-			
720 MSL	-	-	-	VA	143.57	-			CG 500 FT/NM TO 720
GERDD	452643.93N/1225001.47W	Y	FB	DF	-	-			LEFT TURN
CHISM	450343.82N/1220908.87W	Y	FB	TF	128.30	36.92			
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
FORAS	452855.00N/1230143.00W	Y	FB	TF	173.34	4.85			
EMELY	452335.00N/1225030.00W	Y	FB	TF	123.97	9.53			
CHISM	450343.82N/1220908.87W	Y	FB	TF	123.95	35.33			
CHISM	450343.82N/1220908.87W	Y	-	IF	-	-			CHISM4.DSD
DSD VORTAC	441509.95N/1211812.69W	Y	FB	TF	142.88	60.67			
CHISM	450343.82N/1220908.87W	Y	-	IF	-	-			CHISM4.IMB
IMB VOR/DME	443854.21N/1194241.87W	Y	FB	TF	102.54	107.09			
CHISM	450343.82N/1220908.87W	Y	-	IF	-	-			CHISM4.JOGEN
JOGEN	441944.00N/1213904.00W	Y	FB	TF	153.83	48.95			

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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
CHISM	450343.82N/1220908.87W	Y	-	IF	-	-			CHISM4.PAWLI
PAWLI	431048.00N/1205550.00W	Y	FB	TF	154.51	124.66			
CHISM	450343.82N/1220908.87W	Y	-	IF	-	-			CHISM4.RIELY
RIELY	433800.00N/1191700.00W	Y	FB	TF	123.75	150.35			
CHISM	450343.82N/1220908.87W	Y	-	IF	-	-			CHISM4.SMIGE
SMIGE	435046.00N/1212045.00W	Y	FB	TF	154.30	80.78			

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