

**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SUPERSEDED NUMBER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>
ZARLO	TWO	ZARLO2.ZARLO	ONE	09/18/2014	11/10/2016
<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:****RWY 12:** CLIMB HEADING 120.02 TO 3700, THEN LEFT TURN DIRECT PREBE, THENCE...**RWY 30:** CLIMB HEADING 300.03 TO 1750, THEN DIRECT PREBE, THENCE...

...ON TRACK 300.01 TO CROSS UBIYO AT OR ABOVE 6700, THEN ON DEPICTED ROUTE TO ZARLO, THEN ON TRANSITION. 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>
GLASR	ZARLO2.GLASR	ZARLO	GLASR	282.88	29.81	10200		
SKYKO	ZARLO2.SKYKO	ZARLO	HYAKK	268.36	24.39	10200		
			SKYKO	269.11	12.63	10200	8800	

**PROCEDURAL DATA NOTES:****NOTE:** RNAV 1**NOTE:** GPS REQUIRED.**NOTE:** DEPARTURES MAY BE RESTRICTED TO CROSS UBIYO AT OR BELOW 11000.**TAKEOFF MINIMUMS:****RWY 12:** STANDARD WITH MINIMUM CLIMB OF 650 FT PER NM TO 3300.**RWY 30:** STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 6200.**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 12,** TERRAIN 25 FT FROM DER, 194 FT LEFT OF CENTERLINE, 1234 FT MSL. SIGN 68 FT FROM DER, 474 FT LEFT OF CENTERLINE, 1237 FT MSL. BUILDING BEGINNING 133 FT FROM DER, 399 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/1237 FT MSL. TERRAIN 171 FT FROM DER, 340 FT LEFT OF CENTERLINE, 1241 FT MSL. TERRAIN 317 FT FROM DER, 486 FT LEFT OF CENTERLINE, 1247 FT MSL. AGRICULTURAL EQUIPMENT 435 FT FROM DER, 575 FT LEFT OF CENTERLINE, 37 FT AGL/1260 FT MSL. TREE 1190 FT FROM DER, 815 FT LEFT OF CENTERLINE, 1301 FT MSL.

**NOTE: RWY 30,** TERRAIN 66 FT FROM DER, 411 FT RIGHT OF CENTERLINE, 1219 FT MSL. VEHICLES ON ROAD, 201 FT FROM DER, 535 FT LEFT OF CENTERLINE, 1224 FT MSL. TRANSMISSION TOWER 304 FT FROM DER, 274 FT LEFT OF CENTERLINE, 42 FT AGL/1253 FT MSL. BUILDING 1185 FT FROM DER, 480 FT RIGHT OF CENTERLINE, 40 FT AGL/1247 FT MSL. TERRAIN BEGINNING 1.4 NM FROM DER, 2496 FT RIGHT OF CENTERLINE, UP TO 1518 FT MSL. TERRAIN 1.4 NM FROM DER, 2729 FT RIGHT OF CENTERLINE, 1546 FT MSL. POLE 1.4 NM FROM DER, 2257 FT RIGHT OF CENTERLINE, 43 FT AGL/1574 FT MSL. TERRAIN BEGINNING 1.4 NM FROM DER, 2490 FT RIGHT OF CENTERLINE, UP TO 1586 FT MSL. TERRAIN BEGINNING 1.5 NM FROM DER, 410 FT RIGHT OF CENTERLINE, UP TO 1606 FT MSL. TERRAIN BEGINNING 1.5 NM FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 1651 FT MSL. TERRAIN 1.5 NM FROM DER, 10 FT LEFT OF CENTERLINE, 1449 FT MSL. TERRAIN BEGINNING 1.5 NM FROM DER, 402 FT RIGHT OF CENTERLINE, UP TO 1670 FT MSL. TRANSMISSION TOWER, POLE, AND TERRAIN BEGINNING 1.5 NM FROM DER, 820 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/1666 FT MSL. TERRAIN BEGINNING 1.5 NM FROM DER, 1252 FT RIGHT OF CENTERLINE, UP TO 1672 FT MSL. TERRAIN BEGINNING 1.5 NM FROM DER, 521 FT RIGHT

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ZARLO	TWO	ZARLO2.ZARLO	ONE	09/18/2014	11/10/2016

OF CENTERLINE, UP TO 1682 FT MSL. TERRAIN, TRANSMISSION TOWER, AND POLE BEGINNING 1.6 NM FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 1690 FT MSL. TRANSMISSION TOWER, POLE, AND TERRAIN BEGINNING 1.8 NM FROM DER, 186 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/1590 FT MSL. TERRAIN 1.9 NM FROM DER, 1516 FT RIGHT OF CENTERLINE, 1565 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 12:** 2739 FT MSL TREE 472049.00N/1200939.00W (CLIMB GRADIENT). 3419 FT MSL AAO 472423.45N/1200637.30W (CLIMB-TO ALTITUDE).

**RWY 30:** 4959 FT MSL AAO 472223.80N/1202316.30W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MARVAR: KEAT 15E EPOCH YEAR: 2015.

DME/DME ASSESSMENT: NOT CONDUCTED.

**CHART TOP ALTITUDE:** ASSIGNED BY ATC.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
PANGBORN MEMORIAL	WENATCHEE	WA

**COMMUNICATIONS:**

ASOS, UNICOM, SEATTLE CENTER

**FIXES AND/OR NAVAIDS:**

VECUS, EAT VOR/DME.



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ZARLO	TWO	ZARLO2.ZARLO	ONE	09/18/2014	11/10/2016

**REMARKS:**

1. RWY 12 CLIMB GRADIENT ROUNDED UP TO 650 FT PER NM FOR PUBLICATION (COMPUTED VALUE 647 FT PER NM).
2. RWY 30 CLIMB GRADIENT ROUNDED UP TO 465 FT PER NM FOR PUBLICATION (COMPUTED VALUE 462 FT PER NM).

**FLIGHT INSPECTED BY:****OFFICE SYMBOL:****DATE:**

PENDING

**REQUIRED EFFECTIVE DATE:**

11/10/2016

**COORDINATED WITH:**

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

**OTHER:**

ZSE, AMGR

**CHANGES - REASONS:**

1. ADDED 4 DEGREES TO ALL MAGNETIC HEADINGS - AIRPORT MAGVAR UPDATED FROM 19E TO 15E.
2. DELETED FLAAK TRANSITION - ATC REQUEST.
3. ADDED SKYKO TRANSITION - ATC REQUEST.
4. AMENDED RWY 12 VA LEG TERMINATION ALTITUDE FROM 3600 TO 3700 - NEW OBSTACLE STUDY.
5. AMENDED RWY 12 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 650 FT PER NM TO 3600, THEN MINIMUM CLIMB OF 300 FT PER NM TO 6700 TO READ STANDARD WITH MINIMUM CLIMB OF 650 FT PER NM TO 3300 - IN ACCORDANCE WITH CURRENT POLICY. CLIMB GRADIENTS NO LONGER PUBLISHED TO MEET ATC CROSSING RESTRICTIONS.
6. AMENDED RWY 30 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 6700 TO READ STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 6200 - IN ACCORDANCE WITH CURRENT POLICY. CLIMB GRADIENTS NO LONGER PUBLISHED TO MEET ATC CROSSING RESTRICTIONS.
7. AMENDED RWY 12 AND RWY 30 TAKEOFF OBSTACLE NOTES - GROUPED AND FORMATTED IN ACCORDANCE WITH CURRENT POLICY.
8. ADDED TOP ALTITUDE ASSIGNED BY ATC - ATC REQUEST.

QUALITY  
3  
CHECKED

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ZARLO							TWO	ZARLO2.ZARLO	ONE	09/18/2014	11/10/2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW12 (AER)	472420.69N/1201302.18W	N	-	-	-	-					
3700 MSL		-	-	VA	135.02	-				CG 650 FT/NM TO 3300	
PREBE	472803.98N/1201832.28W	Y	FB	DF	-	-				LEFT TURN	
UBIYO	473210.04N/1202435.69W	Y	FB	TF	315.01	5.81	AT/ABOVE 6700				
VECUS	473359.87N/1202719.18W	Y	FB	TF	314.80	2.60					
ZARLO	473626.19N/1203226.38W	Y	FB	TF	314.83	4.88					
RW30 (AER)	472331.82N/1201150.26W	N	-	-	-	-					
1750 MSL		-	-	VA	315.03	-				CG 465 FT/NM TO 6200	
PREBE	472803.98N/1201832.28W	Y	FB	DF	-	-					
UBIYO	473210.04N/1202435.69W	Y	FB	TF	315.01	5.81	AT/ABOVE 6700				
VECUS	473359.87N/1202719.18W	Y	FB	TF	314.80	2.60					
ZARLO	473626.19N/1203226.38W	Y	FB	TF	314.83	4.88					
ZARLO	473626.19N/1203226.38W	Y	-	IF	-	-				ZARLO2.GLASR	
GLASR	475115.40N/1211134.09W	Y	FB	TF	297.88	29.81					
ZARLO	473626.19N/1203226.38W	Y	-	IF	-	-				ZARLO2.SKYKO	
HYAKK	474258.74N/1210734.55W	Y	FB	TF	283.36	24.39					
SKYKO	474601.92N/1212543.96W	Y	FB	TF	284.11	12.63					

QUALITY  
3  
CHECKED