U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
EASTSOUND, WA	**ORCAS ISLAND**		**2**

TAKEOFF MINIMUMS:

RWY 16, NA – TERRAIN.

RWY 34 – 500-3 OR STANDARD WITH MINIMUM CLIMB OF 224 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

RWY 34 – CLIMBING RIGHT TURN TO INTERCEPT HUH VORTAC R-210 TO HUH VORTAC, THENCE...
...CLIMB IN HUH HOLDING PATTERN, HOLD S, LT, 351.88 INBOUND, TO CROSS HUH VORTAC AT OR ABOVE 3800 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 34, TERRAIN BEGINNING 62 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 79 FT MSL. BUILDINGS 287 FT FROM DER, 188 FT LEFT OF CENTERLINE, UP TO 18 FT AGL/22 FT MSL. TREES BEGINNING 319 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 120 FT AGL/159 FT MSL. VEHICLES ON ROADWAY 442 FT FROM DER, ACROSS CENTERLINE, UP TO 15 FT AGL/54 FT MSL. TERRAIN BEGINNING 676 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 43 FT MSL. SHIPS ON WATERWAY, 945 FT FROM DER, ACROSS CENTERLINE, 120FT MSL.

CONTROLLING OBSTACLES:

RWY 34: 439 FT MSL AAO 484516.40N/1225436.04W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: **RWY 34** - 2770 FT MSL TOWER (53-001166) 484049.67N/1125026.71W

QUALITY CHECKED

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City, State	Airport	Effective Date	Amdt. No.
EASTSOUND, WA	ORCAS ISLAND		2

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

ADOLFO URRUTIA (THERON CYRUS) AJV-354 03/22/2012

APPROVED BY:

DEZ SILAGYI AJV-354

COORDINATED WITH:

AOPA, NBAA, ALPA, ZSE, AMGR

CHANGES:

1. UPDATED TEXTUAL DEPARTURE PROCEDURE INSTRUCTIONS.
2. UPDATED TAKEOFF OBSTACLES NOTES.
3. CHANGED HOLDING INBOUND COURSE FROM 352 TO 351.88

REASONS:

1. 2. NEW OBS EVALUATION.
3. COURSE ALIGNMENT WITH -2

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WHATCOM VORTAC **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 485643.03N/1223445.32W **TYPE:** **INFO ONLY**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	WHATCOM	HUH	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW		WP	329.00	149.00	R		4	2000	14000	4	11
2	NW	HUH	VORTAC	329.00	149.00	R	1		2000	14000	4	10
3	S		WP	170.88	350.88	L		4	2000	6000	4	6
4	S	HUH	VORTAC	171.88	351.88	L	1		3800	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (53-000195)	485947.00N/1223857.00W	859	3C
1	310	TOWER (53-000195)	485947.00N/1223857.00W	859	3C
2	200	TOWER (53-000195)	485947.00N/1223857.00W	859	3C
2	310	TOWER (53-000195)	485947.00N/1223857.00W	859	3C
3	200	TOWER (53-000195)	485947.00N/1223857.00W	859	3C
4	200	TOWER (53-000195)	485947.00N/1223857.00W	859	3C
4	310	TOWER (53-001166)	484049.67N/1225026.71W	2770	5D

REASON FOR NONSTANDARD HOLDING:
PAT 3 ATC REQUEST
PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) Y RWY 34	KBLI	BELLINGHAM	WA (US)
1	RNAV (RNP) Z RWY 34	KBLI	BELLINGHAM	WA (US)
2	T/O MINS AND DP	KBLI	BELLINGHAM	WA (US)
4	T/O MINS AND DP	KORS	EASTSOUND	WA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KIENO			KBLI	BELLINGHAM	WA (US)
DP	T/O MINS AND DP		2	KBLI	BELLINGHAM	WA (US)
DP	T/O MINS AND DP		4	KORS	EASTSOUND	WA (US)
DP	PAINE			KPAE	EVERETT	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	MOUNTAIN			KSEA	SEATTLE	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
DP	SPOKANE			KGEG	SPOKANE	WA (US)
DP	FELTS			KSFF	SPOKANE	WA (US)
EN ROUTE	J528					(US)
EN ROUTE	J534					(US)
EN ROUTE	J591					(US)
EN ROUTE	V165					(US)
EN ROUTE	V349					(US)
EN ROUTE	V495					(US)
EN ROUTE	V23					WA (US)
IAP	ILS OR LOC RWY 16		2	KBLI	BELLINGHAM	WA (US)
IAP	RNAV (GPS) Y RWY 34		1	KBLI	BELLINGHAM	WA (US)
IAP	RNAV (RNP) Z RWY 34		1	KBLI	BELLINGHAM	WA (US)
IAP	RNAV (GPS)-A		3	KORS	EASTSOUND	WA (US)
STAR	MADDE (RNAV)		1	CYXX	ABBOTSFORD, BRITISH COLUMBIA	(CA)
STAR	MADEE (RNAV)		1	KBLI	BELLINGHAM	WA (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

QUALITY CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
PAT 1, CHANGED TURNS FROM L TO R. CHANGED MAX ALTITUDE FROM 17,500 TO 14,000, CHANGED MAX TEMPLATE FROM 16 TO 11.
DELETED PATTERN 5.
UPDATED FIX USE.

DEVELOPED BY:	**DATE:** 01/30/2012	**OFFICE:** AJV-354	**NAME:** CATHERINE CHILDRESS
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: BLI ATCT
OTHER: VICTORIA TERMINAL APP CON

QUALITY CHECKED