

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
COPTER NDB STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.35

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>HELIPORT</u> PORT ANGELES CGAS	<u>HELIPORT ID</u> KNOW	<u>PROCEDURE NAME</u> COPTER NDB 242	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> PORT ANGELES	<u>STATE</u> WA	
<u>SURFACE ELEVATION</u> 13	<u>THRE</u>	<u>SUPERSEDED</u> COPTER NDB 242	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/09/2012	<u>MAG VAR</u> 17E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> NOW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>

MISSED APPROACH

MAP:
NOW NDB

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 ON NOW NDB BRG-148 TO NOW NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L **SIDE OF COURSE** 062.00 **OUTBOUND** 1600 **FT WITHIN** 5 **MILES OF** NOW NDB (IAF)
2.
3. **FAC:** 242.00 **FAF:** **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:**
8. **MSA FROM:** NOW NDB 090-270 9200, 270-360 4100, 360-090 3800

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART PLANVIEW NOTE: LIMIT ALL SEGMENTS AIRSPEED TO 90 KIAS.
CHART NOTE: PRIOR PERMISSION REQUIRED.
CHART NOTE: USE WILLIAM R FAIRCHILD INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE WHIDBEY ISLAND NAS/AULT FIELD/OAK HARBOR ALTIMETER SETTING AND INCREASE MDA 120 FT.
CHART PLANVIEW NOTE: PROCEED VFR FROM MAP OR CONDUCT THE SPECIFIED MISSED APPROACH.



ADDITIONAL FLIGHT DATA:

CHART CYA102.
CHART 2400 PRIOR TO NOW NDB IN PROFILE.
FAS OBST: 300 AAO 480709N/1231728W.
HOLD NE, RT, 242.00 INBOUND

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

<u>CATEGORY:</u>	<u>COPTER</u>														
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
H-242	600	1	592		NA			NA			NA				

CHANGES - REASONS

1. CHANGED ALL REFERENCES OF K NDB TO NOW NDB. - NDB IDENT CHANGED.
2. CHANGED AND MOVED NOTE "CHART PLANVIEW NOTE: RADAR REQUIRED" IN ADDITIONAL FLIGHT DATA TO "RADAR REQUIRED FOR PROCEDURE ENTRY" IN EQUIPMENT REQUIREMENT NOTES. - IAW 8260.19H 8-6-8.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: NUW APP CON; ZSE; AMGR

FLIGHT CHECKED BY
PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY
CHRISTINE BAYSE

Digitally signed by
CHRISTINE BAYSE

APPROVED BY
PATRICK MULQUEEN

Dec 28, 2018

Digitally signed by
WARDELL HENNING
Jan 09, 2019

OFFICE *Digitally signed by* **DATE**
WARDELL HENNING

Jan 09, 2019
OFFICE **DATE**
AJV-5432 11/29/2018

OFFICE **DATE** **TITLE**
AJV-5430
MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>HELIPORT</u> PORT ANGELES CGAS	<u>HELIPORT ID</u> KNOW	<u>PROCEDURE NAME</u> COPTER NDB 242	<u>AMDT NO.</u> 1A	<u>CITY</u> PORT ANGELES	<u>STATE</u> WA	<u>SURFACE ELEVATION</u> 13	<u>FACILITY</u> NOW
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PART A: OBSTRUCTION DATA SEGMENTS

FINAL: PT

<u>FROM</u> 5 NM	<u>TO</u> NOW NDB
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<u>RNP</u>	<u>DISTANCE</u> 5.00	<u>PAT</u>	<u>MAP</u> NOW NDB	<u>HAT</u> 600	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	480709.00N/1231728.00W	300	50	20	2C	250				AT50	600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

ENTRY ZONE

<u>FROM</u> NOW NDB	<u>TO</u> 5 NM
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
2.AAO	480327.00N/1232536.00W	2310	164	98	4E	1000				SA-993	2400
3.TERRAIN	480530.00N/1232306.00W	479 (500)								AS1500	2000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



<u>HELIPORT</u> PORT ANGELES CGAS	<u>HELIPORT ID</u> KNOW	<u>PROCEDURE NAME</u> COPTER NDB 242	<u>AMDT NO.</u> 1A	<u>CITY</u> PORT ANGELES	<u>STATE</u> WA	<u>SURFACE ELEVATION</u> 13	<u>FACILITY</u> NOW
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PROCEDURE TURN

FROM
NOW NDB

TO
5 NM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
4.AAO	480612.00N/1231751.00W	565	164	98	4E	1000					1600
3.TERRAIN	480530.00N/1232306.00W	479 (500)								AS1000	1500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☐ CAT A

☐ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☒ NOT AUTHORIZED

MSA

CENTER
NOW NDB

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
090-270	AAO	474806.60N/1234233.30W	194	23.7	8169	1000	20	6C	1000			9200
270-360	AAO	482845.00N/1235154.00W	301	27.5	3065	164	98	4E	1000			4100
360-090	SEA-S-0572	480112.00N/1230621.00W	104	13.9	2780	1000	20	6C	1000			3800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

80 FT SHIPS USED PER FPT CHECKLIST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
NUW APP CON, ZSE ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KCLM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KCLM	<u>DISTANCE</u> 3.67	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KNUW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KNUW	<u>DISTANCE</u> 32.92	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 119

WX REMARKS:
RASS PRESSURE PATTERN THE SAME.
KNOW 13, KCLM 291.2
RA = 0
RASS PRESSURE PATTERNS THE SAME
KNOW 13, KNUW 47.2
RA = 118.32.

<u>PRIMARY NAVAID</u> NOW NDB	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 3
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW08 - MIRL (PCL)			
RW26 - MIRL (PCL)			

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



<u>HELIPORT</u>	<u>HELIPORT</u> <u>ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>SURFACE ELEVATION</u>	<u>FACILITY</u>
PORT ANGELES CGAS	KNOW	COPTER NDB 242	1A	PORT ANGELES	WA	13	NOW

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME/FINAL IS NO FAF WITHOUT STEPDOWN.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PDF EDITS:
PRIMARY AND BACKUP ALTIMETER INFORMATION.



<u>HELIPORT</u>	<u>HELIPORT</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>SURFACE ELEVATION</u>	<u>FACILITY</u>
PORT ANGELES CGAS	ID KNOW	COPTER NDB 242	1A	PORT ANGELES	WA	13	NOW
PART D: AIRSPACE							
DOCKET #							
ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE							
DISTANCE FROM	FACILITY	TO 1000FT POINT	5.00				
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.25				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	259.00				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	43				
DISTANCE FROM		TO 1500FT POINT					
WIDTH OF		SEGMENT AT 1500FT POINT					
TRUE COURSE OF		SEGMENT CONTAINING 1500FT POINT					
HIGH TERRAIN IN		SEGMENT CONTAINING 1500FT POINT					
THRESHOLD COORDINATES (IF STR-IN)							
ARP COORDINATES	480828.65N/1232450.23W						
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 26 DISTANCE 0.37 NM						
FAF COORDINATES							
FIX NAME COORDINATES							
REMARKS							
NO ADDITIONAL AIRSPACE REQUIRED. 1500 FT POINT LOCATED IN PT MANEUVERING AREA.							



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PART E: PREPARED BY

<u>NAME</u> CHRISTINE BAYSE	<u>OFFICE</u> AJV-5432	<u>DATE</u> 11/29/2018	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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