

RADIO FIX AND HOLDING DATA RECORD

NAME: BINAL **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA

LATITUDE/LONGITUDE: 554559.99N/1615956.43W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COLD BAY	CDB	VORTAC	H	027.06	041.06	40.00	40.00		4000	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

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	SW		WP	212.20	032.20	R	5	3000 8000	5 9
2	W		WP	248.45	068.45	R	5	3000 8000	5 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	554214.90N/1620400.20W	1555	6E
2	200	AAO	554214.90N/1620400.20W	1555	6E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WETSI			PACD	COLD BAY	AK (US)
DP	BINAL (RNAV)			PAOU	NELSON LAGOON	AK (US)
EN ROUTE	J115					AK (US)
EN ROUTE	T227					AK (US)
EN ROUTE	T271					AK (US)
EN ROUTE	V456					AK (US)
IAP	RNAV (GPS) RWY 15			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 26			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 26		2	PAOU	NELSON LAGOON	AK (US)
IAP	RNAV (GPS) RWY 8		1	PAOU	NELSON LAGOON	AK (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED TO FIX USE DP WETSI AT PACD, COLD BAY AK.
CHANGED COMPULSORY REPORTING POINT FROM NO TO LOW.
REMOVED FAC 1 FROM ALL PROCEDURES THAT PREVIOUSLY LISTED IT.

DEVELOPED BY: **DATE:** 05/11/2017 **OFFICE:** AJV-5432 **NAME:** JACOB POWERS (IVAN BLANCO)

APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: COLD BAY VORTAC STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 551602.28N/1624626.40W TYPE:

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	MRA FEET	MAA
1	COLD BAY	CDB	VORTAC	H						45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

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	CDB	VORTAC	325.24	145.24	L	1	2700 17500	4 16
2	NW	CDB	VORTAC	325.24	145.24	L	1	3000 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	551839.00N/1624018.00W	374	4E
2	200	AAO	551839.00N/1624018.00W	374	4E
2	310	AAO	550724.00N/1624818.00W	2267	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST WILDLIFE AREA
 PAT 2 WILDLIFE AREA.

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED ON AIRWAY RADIALS AT OR ABOVE FL180.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKEOFF MINIMUMS	PACD	COLD BAY	AK (US)
2	LOC/DME BC RWY 33	PACD	COLD BAY	AK (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 C-I-H CONTROLLING OBSTACLE LOCATED 1.47NM INTO SECONDARY AREA.
 ASSIGNED FACILITY MAGVAR: 14E/2005.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS		2	PACD	COLD BAY	AK (US)
DP	WETSI		2	PACD	COLD BAY	AK (US)
DP	COLD BAY (RNAV)			PAVC	KING COVE	AK (US)
EN ROUTE	A342					AK (US)
EN ROUTE	J115					AK (US)
EN ROUTE	J623					AK (US)
EN ROUTE	Q59					AK (US)
EN ROUTE	T271					AK (US)
EN ROUTE	V456					AK (US)
IAP	HI-ILS OR LOC/DME RWY 15			PACD	COLD BAY	AK (US)
IAP	HI-VOR/DME OR TACAN RWY 15			PACD	COLD BAY	AK (US)
IAP	ILS OR LOC/DME RWY 15			PACD	COLD BAY	AK (US)
IAP	LOC/DME BC RWY 33		2	PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 15			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 26			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 33			PACD	COLD BAY	AK (US)
IAP	VOR RWY 15		1	PACD	COLD BAY	AK (US)
IAP	RNAV (GPS)-A			PAVC	KING COVE	AK (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 15 DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED PAT 2, CHANGED C-I-H FROM PAT 1 TO PAT 2 AND CHANGED PROCEDURES REQUIRED C-I-H TO PAT 2.
 ADDED TO FIX USE: DP WETSI AT PACD, COLD BAY AK.
 CHANGED FIX USE: PACD TAKEOFF MINIMUMS AND LOC/DME BC RWY 33 PAT CHANGED FROM PAT 1 TO PAT 2.
 CHANGED PAT 1 AND 2 LEG LENGTH TIME TO 1 MIN.

DEVELOPED BY: DATE: 05/11/2017 OFFICE: AJV-5432 NAME: JACOB POWERS (IVAN BLANCO)



APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS



RADIO FIX AND HOLDING DATA RECORD

NAME: ELFEE NDB STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 551745.86N/1624720.67W TYPE:

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	MRA	MAA
1	ELFEE	ELF	NDB	H						45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	ELF	NDB	324.35	144.35	L	1		2900	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	551839.00N/1624018.00W	374	4E
1	310	AAO	551739.00N/1624748.00W	374	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST WILDLIFE AREA

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	PACD	COLD BAY	AK (US)
1	LOC/DME BC RWY 33	PACD	COLD BAY	AK (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 FACILITY MAGVAR: E14/2005.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHUNA		1	PACD	COLD BAY	AK (US)
DP	TAKEOFF MINIMUMS		1	PACD	COLD BAY	AK (US)
EN ROUTE	G1					(US)
EN ROUTE	G10					(US)
EN ROUTE	G12					(US)
EN ROUTE	G8					(US)
EN ROUTE	J603					(US)
EN ROUTE	J618					(US)
EN ROUTE	R2					(US)
EN ROUTE	V603					(US)
IAP	HI-ILS OR LOC/DME RWY 15			PACD	COLD BAY	AK (US)
IAP	HI-VOR/DME OR TACAN RWY 15			PACD	COLD BAY	AK (US)
IAP	ILS OR LOC/DME RWY 15		1	PACD	COLD BAY	AK (US)
IAP	LOC/DME BC RWY 33		1	PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 15			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 26			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 33			PACD	COLD BAY	AK (US)
IAP	VOR RWY 15			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) - A			PAKVC	KING COVE	AK (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 13

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

RAISED P1 MIN HOLDING ATITUDE FROM 2200 TO 2900 FOR AIRSPACE.
 UPDATED 310 AAO OBSTACLE BASED ON C-I-H 40:1 EVALUATION AND 125 FT AC ADJUSTMENT.
 CHANGED P1 LEG LEGNTH TIME TO 1 MIN.
 ADDED TO FIX USE: DP CHUNA AT PACD, COLD BAY AK.
 ADDED FAC MAGVAR TO REMARKS.

DEVELOPED BY: DATE: 05/11/2017 OFFICE: AJV-5432 NAME: JACOB POWERS (IVAN BLANCO)

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN



SIGNATURE:**DISTRIBUTION:**

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEMMR

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 551704.81N/1622328.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 26

FAC

PAT

AIRPORT IDENT
PACD

CITY
COLD BAY

STATE
AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/10/2013

REASON FOR REVISION:

REPOSITIONED FIX 4214 FT NORTHWEST
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY:

DATE: 05/02/2012

OFFICE: AJV-354

NAME: ADOLFO URRUTIA (BRIAN BERUBEE)

APPROVED BY:

DATE: 12/03/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SAFKO

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 554648.66N/1620207.95W

TYPE: WP, INT

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	BORLAND	HBT	NDB/DME	H	284.00	299.00		58.76		5000	17500
2	ELFEE	ELF	NDB	H	027.12	041.12		38.82		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HBT	NDB/DME	BRG-284	59	50	450

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BORLAND (FAC 1) AND ELFEE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	G10	1, 2				AK (US)
EN ROUTE	G8	1, 2				AK (US)
IAP	RNAV (GPS) RWY 15			PACD	COLD BAY	AK (US)
IAP	RNAV (GPS) RWY 26			PACD	COLD BAY	AK (US)
IAP	NDB RWY 13	1, 2		PASD	SAND POINT	AK (US)
IAP	NDB/DME RWY 31	1, 2		PASD	SAND POINT	AK (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 11/15/2012

REASON FOR REVISION:

DELETED FAC 3 AND ASSOCIATED DATA
ADDED DIST FROM FAC 1 & 2
UPDATED FIX USE

DEVELOPED BY: DATE: 04/27/2012

OFFICE: AJV-354

NAME: ADOLFO URRUTIA (BRIAN BERUBEE)

APPROVED BY: DATE: 10/02/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: CDB FSS

QUALITY
19
CHECKED