

RADIO FIX AND HOLDING DATA RECORD

NAME: ANNETTE ISLAND VOR/DME STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 550337.47N/1313442.24W TYPE:

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	MRA FEET	MAA
1	ANNETTE ISLAND	ANN	VOR/DME	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	SE	ANN	VORTAC	144.00	324.00	L	1-1 1/2	5000 17500	5 16
2	NW	ANN	VORTAC	308.54	128.54	R	1-1 1/2	5000 17500	5 16
3	NW		WP	308.54	128.54	R	5	5000 17500	6 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	550245.94N/1312806.95W	3082	2C
2	200	AAO	550245.94N/1312806.95W	3082	2C
3	200	AAO	550245.94N/1312806.95W	3082	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	0
2	200	95
3	200	102

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PATTERNS 1 AND 2 FOR ATC USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ANN RNAV (RNP) - (SPECIAL)			PAKT	KETCHIKAN	AK (US)
DP	KETCHIKAN (OBSTACLE)			PAKT	KETCHIKAN	AK (US)
DP	SKOWL (OBSTACLE)			PAKT	KETCHIKAN	AK (US)
DP	TAKEOFF MINIMUMS AND ODP			PAKT	KETCHIKAN	AK (US)
DP	KLAWOCK (OBSTACLE)			PAKW	KLAWOCK	AK (US)
DP	TAKEOFF MINIMUMS AND ODP			PAKW	KLAWOCK	AK (US)
EN ROUTE	J195					(US)
EN ROUTE	J502					(US)
EN ROUTE	J523					(US)
EN ROUTE	T266					(US)
EN ROUTE	T269					(US)
EN ROUTE	V309					(US)
EN ROUTE	V311					(US)
EN ROUTE	V317					(US)
EN ROUTE	V318					(US)
IAP	ILS Y OR LOC Y RWY 11	2		PAKT	KETCHIKAN	AK (US)
IAP	ILS Z OR LOC Z RWY 11	2		PAKT	KETCHIKAN	AK (US)
IAP	LOC X RWY 11	2		PAKT	KETCHIKAN	AK (US)
IAP	RNAV (GPS) RWY 11	3		PAKT	KETCHIKAN	AK (US)
IAP	NDB/DME RWY 2			PAKW	KLAWOCK	AK (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 10

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

1. DELETED PAT 2, 310 KNOT OBSTACLE AND PRECIPITOUS TERRAIN ADJUSTMENT. CIH NOT REQUIRED.
2. UPDATED CONTROLLING OBSTACLES AND PRECIPITOUS TERRAIN ADJUSTMENTS FOR PATTERNS 1, 2, 3.
3. DELETED "DME" FROM PROCEDURES AT PAKT.
4. ADDED FIX USE OF NDB/DME RWY 2 AT PAKW.
5. CHANGED ILS OR LOC Y RWY 11 AND ILS OR LOC Z RWY 11 AT PAKT TO ILS Z OR LOC Z RWY 11 AND ILS Y OR LOC Y RWY 11.

QUALITY
18
CHECKED

DEVELOPED BY: **DATE:** 03/15/2016 **OFFICE:** AJV-5433 **NAME:** SCOTT STEVENSON
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** LONNIE EVERHART
SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZAN
 ATC FACILITY:
 OTHER: KTN FSS

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFCFZ

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553534.36N/1320732.22W

TYPE: CNF

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX USE:
USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP
IAP

ILS Y OR LOC Y RWY 11
LOC X RWY 11

PAKT
PAKT

KETCHIKAN
KETCHIKAN

AK (US)
AK (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

1. FIX NAME CHANGED FROM VUCSU TO MEET CNF NAMING CONVENTION.
2. UPDATED FIX USE AND DELTED "DME" FROM IAPS AT PAKT.
3. CHANGED ILS OR LOC/DME Y RWY 11 TO ILS Y OR LOC Y RWY 11.

DEVELOPED BY:

DATE: 03/14/2016

OFFICE: AJV-5433

NAME: SCOTT STEVENSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COGOX

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553032.70N/1315845.09W

TYPE: DME

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	KETCHIKAN	I-ECH	LOC/DME		294.59	315.59	13.46	13.85		4100	4500
2	ANNETTE ISLAND	ANN	VOR/DME	H	306.15	333.15	30.27	30.27		4100	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ECH	LOC/DME	R-289	13	4100	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-ECH DME COORDINATES: 552042.83N/1314139.57W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 11	1		PAKT	KETCHIKAN	AK (US)
IAP	LOC X RWY 11	1		PAKT	KETCHIKAN	AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

1. FIX MOVED FROM 553015.92N/1315815.92W 2392 FEET NORTHWEST TO PFAF LOCATION.
2. UPDATED ESV TO CURRENT FORMAT.
3. I-ECH DME COORDINATES UPDATED FROM 552042.81N/1314139.53W TO 552042.83N/1314139.57W.
4. FIX USE UPDATED TO CURRENT FORMAT AND "DME" REMOVED FROM PROCEDURES AT PAKT.
5. ATC FACILITY OF KTN ATCT DELETED.
6. CHANGED ANN MAG BRG FROM 312.38 TO 312.15 AND TRUE BRG FROM 333.38 TO 333.15.
7. CHANGED I-ECH DME FROM 13.46 TO 13.85 AND ADDED DIST FROM FAC 13.85NM.
8. CHANGED ANN DME FROM 29.90 TO 30.27 AND ADDED DIST FROM FAC 30.27NM.
9. CHANGED ILS OR LOC/DME Y RWY 11 TO ILS Y OR LOC Y RWY 11.

DEVELOPED BY:

DATE: 03/15/2016

OFFICE: AJV-5433

NAME: SCOTT STEVENSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DOOZI STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 553757.14N/1321028.73W 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 FAC NM	MRA	MAA
1	ANNETTE ISLAND	ANN	VOR/DME	H	308.54	329.54	40.00	40.00	4700	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	ANN	VOR/DME	308.54	128.54	R	1		5000	14000	7	12
2	NW		WP	308.54	128.54	R		5	5000	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	553505.71N/1320736.96W	3344	2C
2	200	AAO	553505.71N/1320736.96W	3344	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	183
2	200	188

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING PAT 1 DEVELOPED FOR ATC USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SKOWL (OBSTACLE)	1		PAKT	KETCHIKAN	AK (US)
EN ROUTE	V317	1				(US)
EN ROUTE	J502	1				AK (US)
EN ROUTE	T266					AK (US)
IAP	ILS Y OR LOC Y RWY 11	1	1	PAKT	KETCHIKAN	AK (US)
IAP	LOC X RWY 11	1	1	PAKT	KETCHIKAN	AK (US)
IAP	RNAV (GPS) RWY 11			PAKT	KETCHIKAN	AK (US)
IAP	RNAV (GPS)-B		2	PAKT	KETCHIKAN	AK (US)
SPECIAL DP	DOOZI RNAV (RNP)			PAKT	KETCHIKAN	AK (US)
SPECIAL DP	LASOE RNAV (RNP)			PAWG	WRANGELL	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 11		2	PAKT	KETCHIKAN	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 29		2	PAKT	KETCHIKAN	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

1. UPDATED COORDINATES AND ACCURACY CODE FOR THE 3344 FT AAO CONTROLLING OBSTACLE FOR PATTERN 1 AND 2.
2. CHANGED PAT 1 PRECIPITOUS TERRAIN ADDITION FROM 188 TO 183 AND PAT 2 FROM 181 TO 183.
3. DELETED "DME" FROM PROCEDURES AT PAKT.
4. ADDED FIX USE OF PAT 1 ILS OR LOC Y RWY 11 AND LOC X RWY 11 AT PAKT.
5. CHANGED PAKT ILS OR LOC/DME Y RWY 11 TO ILS Y OR LOC Y RWY 11.

DEVELOPED BY: DATE: 03/15/2016 OFFICE: AJV-5433 NAME: SCOTT STEVENSON

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: LONNIE EVERHART

SIGNATURE:

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

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NICHOLS NDB STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 550415.17N/1313618.03W TYPE:

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	MRA FEET	MAA
1	NICHOLS	ICK	NDB	H						17500

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	SE	ICK	NDB	151.00	331.00	L	1	4000 14000	5 10
2	NW	ICK	NDB	313.00	133.00	R	1	4200 14000	5 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	550459.77N/1312953.77W	2523	2C
2	200	AAO	551155.20N/1314715.70W	2930	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	133
2	200	76

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN

REMARKS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	A15					(US)
EN ROUTE	B28					(US)
EN ROUTE	B79					(US)
IAP	ILS Y OR LOC Y RWY 11		2	PAKT	KETCHIKAN	AK (US)
IAP	ILS Z OR LOC Z RWY 11		2	PAKT	KETCHIKAN	AK (US)
IAP	LOC X RWY 11		2	PAKT	KETCHIKAN	AK (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/21/2016

REASON FOR REVISION:

- PAT 1 CHANGED RAD FROM 148 TO 158 AND CRS INBOUND FROM 328 TO 331 DUE TO MAGVAR ROTATION FROM 21E TO 18E.
- PAT 2 CHANGED RAD FROM 310 TO 313 AND CRS INBOUND FROM 130 TO 133.
- CHANGED PAT 1 CONTROLLING OBSTACLE FROM 2523 AAO (6A) TO 2523 AAO (2C) BASED ON MAP STUDY.
- DELETED PAT 2 CIH OBSTACLE.
- MOVED PRECIPITOUS TERRAIN ADJUSTMENTS FROM REMARKS TO PRECIPITOUS TERRAIN ADDITIONS. CHANGED PAT 1 FROM 82 TO 133 AND PAT 2 FROM 0 TO 76.
- CHANGED FIX USE TO CURRENT FORMAT AND REMOVED "DME" FROM PROCEDURES AT PAKT.
- CHANGED ILS OR LOC Z RWY 11 AND ILS OR LOC Y RWY 11 AT PAKT TO ILS Z OR LOC Z RWY 11 AND ILS Y OR LOC Y RWY 11.

DEVELOPED BY: DATE: 03/14/2016 OFFICE: AJV-5433 NAME: SCOTT STEVENSON

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: LONNIE EVERHART

SIGNATURE:

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

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RUYOC

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553432.63N/1320541.45W

TYPE: 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 FAC NM	FAC FEET	MRA	MAA
1	KETCHIKAN	I-ECH	LOC/DME		294.59	315.59	19.47	19.47		4600	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ECH	LOC/DME	R-295	20	4600	7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-ECH DME COORDINATES: 552042.83N/1314139.57W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 11	1		PAKT	KETCHIKAN	AK (US)
IAP	LOC X RWY 11	1		PAKT	KETCHIKAN	AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

1. UPDATED I-ECH ESV TO CURRENT FORMAT.
2. CHANGED I-ECH DME COORDINATES FROM 552042.81N/1314139.53W TO 552042.83N/1314139.57W.
3. UPDATED FIX USE TO CURRENT FORMAT, DELETED "DME" FROM PAKT PROCEDURES AND ADDED FIX USE OF FAC 1 FOR BOTH PROCEDURES AT PAKT.
4. DELETED ATC FACILITY OF KTN ATCT.
5. ADDED DIST FROM FAC 19.47NM.
6. CHANGED ILS OR LOC/DME Y RWY 11 TO ILS Y OR LOC Y RWY 11.

DEVELOPED BY:

DATE: 03/15/2016

OFFICE: AJV-5433

NAME: SCOTT STEVENSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UCARU

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 551520.24N/1313502.59W

TYPE: DME

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	CLAM COVE	CMJ	NDB	H	123.83	144.83		6.36		2400	4500
2	KETCHIKAN	I-ECH	LOC/DME				6.58	6.58		2400	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-ECH DME COORDINATES: 552042.83N-1314139.57W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 11	1, 2		PAKT	KETCHIKAN	AK (US)
IAP	ILS Z OR LOC Z RWY 11	1, 2		PAKT	KETCHIKAN	AK (US)
IAP	LOC X RWY 11	1, 2		PAKT	KETCHIKAN	AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

1. UPDATED FIX USE TO CURRENT COORDINATES AND DELETED "DME" FROM IAPS AT PAKT.
2. UPDATED I-ECH DME COORDINATES FROM 552042.81N-1314139.53W TO 552042.83N-1314139.57W.
3. DELETED ATC FACILITY OF KTN ATCT.
4. ADDED DIST FROM FAC OF 6.58NM TO I-ECH.
5. ADDED DIST FROM FAC OF 6.36NM TO CMJ.
6. CHANGED ILS OR LOC Y RWY 11 AND ILS OR LOC Z RWY 11 TO ILS Y OR LOC Y RWY 11 AND ILS Z OR LOC Z RWY 11.

DEVELOPED BY: **DATE:** 03/14/2016

OFFICE: AJV-5433

NAME: SCOTT STEVENSON

APPROVED BY: **DATE:**

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

QUALITY
18
CHECKED