

NAME: ALDER	STATE: WA	COUNTRY: US	ICAO REGION CODE: K1
LATITUDE/LONGITUDE: 464917.62N/1222451.19W	TYPE: WP. INT. DME		

FIX MAKE-UP FACILITIES:										
FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SEATTLE	SEA	VORTAC	H	167.67	186.67	37.09	37.09	4000	45000
2	OLYMPIA	OLM	VORTAC	H	095.00	114.00	21.99	21.99	5800	45000
3	MCCHORD	TCM	VORTAC	T	157.70	172.70	19.73	19.73	5800	45000

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

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
DP	ALDER	2, 3		KTCM	TACOMA	WA (US)
DP	MOCAA (RNAV)			KTCM	TACOMA	WA (US)
DP	TAKE-OFF MINIMUMS	1, 2		KTCM	TACOMA	WA (US)
EN ROUTE	J1	1, 2				(US)
EN ROUTE	J189	1, 2				(US)
EN ROUTE	V204	1, 2				(US)
EN ROUTE	V495	1, 2				(US)
IAP	RNAV (GPS) RWY 33			KGRF	FORT LEWIS/TACOMA	WA (US)
IAP	RNAV (GPS) RWY 35			KPLU	PUYALLUP	WA (US)
IAP	ILS OR LOC RWY 34	2		KTCM	TACOMA	WA (US)
IAP	ILS RWY 34 CAT II	2		KTCM	TACOMA	WA (US)
IAP	RNAV (GPS) RWY 34			KTCM	TACOMA	WA (US)
IAP	TACAN RWY 34	2		KTCM	TACOMA	WA (US)
IAP	RNAV (GPS) RWY 24			KTDO	TOLEDO	WA (US)
STAR	ADYMS (RNAV)			KTCM	TACOMA	WA (US)
STAR	WHYTE	1, 2		KTCM	TACOMA	WA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:
 ADDED FAC 3.
 FAC 1 AND 2 CHANGED TO FAC 2 AND 3 FOR DP ALDER FIX USE.
 DELETED ENROUTE J1-189 FROM FIX USE.
 ADDED ENROUTE J1 TO FIX USE.
 ADDED ENROUTE J189 TO FIX USE.
 ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:	DATE: 02/27/2017	OFFICE: AJV-5432	NAME: DEANNA FIELDS
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN
SIGNATURE:			

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ALPSE

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481000.00N/1220500.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/24/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ATOME

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473627.23N/1222147.61W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP
IAP

USE TITLE
BANGR (RNAV)
HAROB (RNAV)
ATOME (RNAV)

FAC PAT

AIRPORT IDENT
KSEA
KSEA
KSEA

CITY
SEATTLE
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.
REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BANDR **STATE:** WA **COUNTRY:** US **ICAO REGION CODE:** K1

LATITUDE/LONGITUDE: 471530.14N/1212932.11W **TYPE:** WP, 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	MRA FEET	MAA
1	SEATTLE	SEA	VORTAC	H	088.37	107.37	35.00	35.00	8400	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	E	SEA	VORTAC	088.37	268.37	L	4	8400 17500	11 18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	470624.00N/1210957.00W	6378	4E
1	265	AAO	470430.00N/1210445.00W	6458	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	329
1	265	340

REASON FOR NONSTANDARD HOLDING:
PAT 1 TO MAINTAIN HOLDING WITHIN ATC SECTOR

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
METERING FIX FOR SEATTLE ARTCC/APCH.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
EN ROUTE	V2	1				(US)
EN ROUTE	V298	1				(US)
IAP	RNAV (GPS)-C			KELN	ELLENSBURG	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 06/22/2017

REASON FOR REVISION:

ADDED DP TO REQUIRED CHARTING.
ADDED KSEA DP ATOME (RNAV) TO FIX USE.
ADDED WP TO FIX TYPE.
DELETED SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES FROM REMARKS.

DEVELOPED BY: **DATE:** 02/27/2017 **OFFICE:** AJV-5432 **NAME:** DEANNA FIELDS

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

SIGNATURE:

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BANGR

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473838.05N/1225453.69W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP

USE TITLE
ATOME (RNAV)
BANGR (RNAV)

FAC PAT

AIRPORT IDENT
KSEA
KSEA

CITY
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: BEARB

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 475040.15N/1222242.44W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BREMM

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473712.00N/1222806.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP
DP

USE TITLE
ATOME (RNAV)
BANGR (RNAV)
HAROB (RNAV)

FAC PAT

AIRPORT IDENT
KSEA
KSEA
KSEA

CITY
SEATTLE
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BUWZO

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465708.19N/1221834.62W

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	FAC FEET	MRA	MAA
1	SEATTLE	SEA	VORTAC	H	161.00	180.00	29.00	29.00		10000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
STAR	HELNS	1		KPDX	PORTLAND	OR (US)
STAR	KRATR (RNAV)			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED DP TO REQUIRED CHARTING.
ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, PDX APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CENEX

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473825.12N/1222727.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZSE

ATC FACILITY: SEA ATCT

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CUSBU

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472954.68N/1221903.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP
DP

USE TITLE
ATOME (RNAV)
BANGR (RNAV)
HAROB (RNAV)

FAC PAT

AIRPORT IDENT
KSEA
KSEA
KSEA

CITY
SEATTLE
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.
REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE.
REMOVED KSEA IAP RNAV (GPS) RWY 34L FROM FIX USE.
REMOVED IAP FROM REQUIRED CHARTING.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DODVE

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472955.59N/1221826.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
DP	BANGR (RNAV)			KSEA	SEATTLE	WA (US)
DP	HAROB (RNAV)			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34R			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.
REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRUMR

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473031.92N/1223816.44W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

REMARKS:

HONORARY FIX NAME

FIX USE:

USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ERAVE

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465435.00N/1232406.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COORDINATES PROVIDED BY AIR TRAFFIC AND NOT SUPPORTED BY ANY SPECIFIC NAVAGATIONAL FACILITY OR FIX TO FACILITATE TRAFFIC FLOW KSEA TO KLAX/KSFO

FIX USE:

USE TYPE
DP
DP
EN ROUTE

USE TITLE
ATOME (RNAV)
HAROB (RNAV)
Q1

FAC PAT

AIRPORT IDENT
KSEA
KSEA

CITY
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FEPOT

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470451.00N/1231308.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COORDINATES PROVIDED BY AIR TRAFFIC AND NOT SUPPORTED BY ANY SPECIFIC NAVIGATIONAL FACILITY OR FIX TO FACILITATE TRAFFIC FLOW KSEA TO KLAX/KSFO

FIX USE:

USE TYPE
DP
DP
EN ROUTE

USE TITLE
ATOME (RNAV)
HAROB (RNAV)
Q3

FAC PAT

AIRPORT IDENT
KSEA
KSEA

CITY
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GIGHR

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472139.61N/1223456.99W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY: DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GIRTE

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471703.43N/1223306.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GOOBI

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474648.92N/1222612.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAROB

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471436.00N/1230227.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COORDINATES PROVIDED BY AIR TRAFFIC CONTROL TO FACILITATE TRAFFIC FLOW KSEA TO KLAX/KSFO.

FIX USE:

USE TYPE

DP
DP
EN ROUTE

USE TITLE

ATOME (RNAV)
HAROB (RNAV)
Q5

FAC

PAT

AIRPORT IDENT

KSEA
KSEA

CITY

SEATTLE
SEATTLE

STATE

WA (US)
WA (US)
WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JESSP

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474412.80N/1220435.04W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KIMSH

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473804.70N/1224424.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KTSAP

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474506.58N/1222745.08W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

FIX MOVED 2514 FT COORDINATES REVISED.

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZSE

ATC FACILITY: SEA ATCT

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NESOE

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472955.64N/1221838.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP
DP

USE TITLE
ATOME (RNAV)
BANGR (RNAV)
HAROB (RNAV)

FAC PAT

AIRPORT IDENT
KSEA
KSEA
KSEA

CITY
SEATTLE
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.
REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE.
REMOVED KSEA IAP RNAV (RNP) Z RWY 34C FROM FIX USE.
REMOVED IAP FROM REQUIRED CHARTING.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NORMY

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472546.39N/1214316.41W

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	SEATTLE	SEA	VORTAC	H	071.62	090.62	23.97	23.97			45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
EN ROUTE	J12	1				(US)
EN ROUTE	J70	1				(US)
EN ROUTE	J90	1				(US)
EN ROUTE	V120	1				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

DELETED FAC 2 HABIR.
DELETED FAC 3 IVALE.
ADDED KSEA DP ATOME (RNAV) TO FIX USE.
ADDED 23.97 NM TO DIST FROM FAC 1.
DELETED EN ROUTE J12-70-90.
ADDED EN ROUTE J12.
ADDED EN ROUTE J70.
ADDED EN ROUTE J90.

DEVELOPED BY: DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA ATCT
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ORCHO

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473400.02N/1223257.68W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PAINE VOR/DME STATE: WA COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 475511.40N/1221640.08W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION:

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	PAINE	PAE	VOR/DME	L						17500

HOLDING: HOLDING TYPE OF ACTION:

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	PAE	VOR/DME	329.04	149.04	R	1		2000	10000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	ANT (KPAET000224)	475144.14N/1221708.62W	814	1A
1	310	ANT (KPAET000224)	475144.14N/1221708.62W	814	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	BELLEVUE	KRNT	RENTON	WA (US)
1	TAKE-OFF MINIMUMS	KPAE	EVERETT	WA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 20E/1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ARLINGTON			KAWO	ARLINGTON	WA (US)
DP	PAINE			KPAE	EVERETT	WA (US)
DP	TAKE-OFF MINIMUMS			KPAE	EVERETT	WA (US)
DP	NASWI			KNUW	OAK HARBOR	WA (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	BELLEVUE		1	KRNT	RENTON	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
DP	BANGR (RNAV)			KSEA	SEATTLE	WA (US)
DP	HAROB (RNAV)			KSEA	SEATTLE	WA (US)
DP	MOUNTAIN			KSEA	SEATTLE	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
DP	SUMMA			KSEA	SEATTLE	WA (US)
EN ROUTE	V23					(US)
EN ROUTE	V287					(US)
IAP	LOC RWY 34			KAWO	ARLINGTON	WA (US)
IAP	NDB RWY 34			KAWO	ARLINGTON	WA (US)
IAP	RNAV (GPS) RWY 34			KAWO	ARLINGTON	WA (US)
IAP	RNAV (GPS) RWY 29			KBVS	BURLINGTON/MOUNT VERNON	WA (US)
IAP	ILS OR LOC/DME Y RWY 16R			KPAE	EVERETT	WA (US)
IAP	ILS OR LOC/DME Z RWY 16R			KPAE	EVERETT	WA (US)
IAP	ILS Z RWY 16R (SA CAT II)			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) RWY 34L			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) Y RWY 16R			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) Z RWY 16R			KPAE	EVERETT	WA (US)
IAP	VOR/DME RWY 16R		1	KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) Y RWY 16			KRNT	RENTON	WA (US)
IAP	RNAV (GPS) Z RWY 16			KRNT	RENTON	WA (US)
IAP	ILS OR LOC RWY 31L			KBFI	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 13R			KBFI	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 13R			KBFI	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 16C			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 16L			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 16R			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34C		1	KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34L		1	KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34R		1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16C (CAT II-III)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16C (SA CAT I)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16L (CAT II-III)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16L (SA CAT I)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16R (CAT II-III)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16R (SA CAT I)			KSEA	SEATTLE	WA (US)

QUALITY
3
CHECKED

IAP	ILS RWY 34C (SA CAT I-II)	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT I-II)	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34R (SA CAT I-II)	1	KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 16C		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 16L		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) M RWY 16R (SPECIAL)		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16C		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16L		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16R		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS)-A		KS43	SNOHOMISH	WA (US)
STAR	MADEE (RNAV)		CYXX	ABBOTSFORD, BRITISH COLUMBIA	(CA)
STAR	MADEE (RNAV)		CZBB	DELTA, BC	(CA)
STAR	MADEE (RNAV)		KBLI	BELLINGHAM	WA (US)
STAR	EPHRATA		KRNT	RENTON	WA (US)
STAR	GLASR		KRNT	RENTON	WA (US)
STAR	EPHRATA		KBFI	SEATTLE	WA (US)
STAR	GLASR		KBFI	SEATTLE	WA (US)
STAR	EPHRATA		KSEA	SEATTLE	WA (US)
STAR	GLASR		KSEA	SEATTLE	WA (US)
STAR	JAWBN		KSEA	SEATTLE	WA (US)
STAR	GLASR		KTCM	TACOMA	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

UPDATED FIX USE.

ADDED ASSIGNED FACILITY MAG VAR: 20E/1990 TO REMARKS.

DEVELOPED BY: **DATE:** 03/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY: **DATE:**

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZSE

ATC FACILITY: YJJ APP CON, KBLI ATCT

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAYNG

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474850.79N/1221336.15W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SUMMA **STATE:** WA **COUNTRY:** US **ICAO REGION CODE:** K1

LATITUDE/LONGITUDE: 463704.29N/1215917.96W **TYPE:** WP, RADAR, 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	SEATTLE	SEA	VORTAC	H	145.84	164.84	50.81	50.81		8000	45000
2	OLYMPIA	OLM	VORTAC	H	100.09	119.09	43.23	43.23		14700	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SEA	VORTAC	R-146	51	8000	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	SEA	VORTAC	145.84	145.84	R	1 1/2		18000	45000	18	31

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
HOLDING PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOME (RNAV)			KSEA	SEATTLE	WA (US)
DP	SUMMA	1		KSEA	SEATTLE	WA (US)
DP	MOCAA (RNAV)			KTCM	TACOMA	WA (US)
EN ROUTE	J5	1, 2				(US)
EN ROUTE	J54	1, 2				(US)
EN ROUTE	Q9					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

DEVELOPED BY: **DATE:** 02/27/2017 **OFFICE:** AJV-5432 **NAME:** DEANNA FIELDS

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

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUREL

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473319.52N/1221836.66W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP
DP

USE TITLE
ATOME (RNAV)
BANGR (RNAV)
HAROB (RNAV)

FAC PAT

AIRPORT IDENT
KSEA
KSEA
KSEA

CITY
SEATTLE
SEATTLE
SEATTLE

STATE
WA (US)
WA (US)
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.
REMOVED KSEA DP KMORE (RNAV) AND KTSAP (RNAV) FROM FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZADON

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473344.00N/1214419.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

COORDINATES PROVIDED BY AIR TRAFFIC AND NOT SUPPORTED BY ANY SPECIFIC NAVIGATIONAL FACILITY
FIX WAYPOINT TO FACILITATE DEPARTURES FROM THE SEATTLE TERMINAL AREA.

FIX USE:

USE TYPE
IAP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

ADDED KSEA DP ATOME (RNAV) TO FIX USE.

ADDED DP TO REQUIRED CHARTING.

ADDED FIX WAYPOINT TO FACILITATE DEPARTURES FROM THE SEATTLE TERMINAL AREA TO REMARKS.

DELETED EN ROUTE FLY-BY WAYPOINT TO FACILITATE DEPARTURES FROM THE SEATTLE TERMINAL AREA AND FLY-BY WAYPOINT ON
AREA HIGH RNAV ROUTE FROM FIX USE.

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZSE

ATC FACILITY:

OTHER: SEA APP CON

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUMBI

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473740.68N/1223702.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
ATOME (RNAV)

FAC

PAT

AIRPORT IDENT
KSEA

CITY
SEATTLE

STATE
WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

DEVELOPED BY:

DATE: 02/27/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY
3
CHECKED