

RADIO FIX AND HOLDING DATA RECORD

NAME: ARTTY

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 450000.00N/1230428.96W

TYPE: WP, INT, 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	FEET	MRA	MAA
1	SALEM	I-SLE	LOC/DME		313.08	330.08	5.59	5.59	33959	2200	9000
2	CORVALLIS	CVO	VOR/DME	H	359.24	017.24		31.45		2200	9000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SLE	LOC/DME	R-313	6	4600	9000

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	I-SLE	LOC/DME	313.08	133.08	R	1		4000	9000	6	11
2	NW		WP	313.08	133.08	R		4	3700	9000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	450351.00N/1230842.00W	1431	4E
1	310	AAO	451600.00N/1232415.00W	2694	4E
2	200	AAO	450351.00N/1230842.00W	1431	4E
2	310	AAO	451542.00N/1232342.00W	2418	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC Y RWY 31	KSLE	SALEM	OR (US)
1	ILS OR LOC Z RWY 31	KSLE	SALEM	OR (US)
2	RNAV (GPS) RWY 31	KSLE	SALEM	OR (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

I-SLE DME LAT/LONG: 445507.81N / 1230036.29W

SALEM (FAC 1) AND CORVALLIS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T263					(US)
IAP	ILS OR LOC Z RWY 31	1, 2	1	KSLE	SALEM	OR (US)
IAP	LOC BC RWY 13	1, 2		KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1, 2	1	KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 13			KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31		2	KSLE	SALEM	OR (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

1. ADDED IAP RNAV (GPS) RWY 13 TO FIX USE TYPE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5400

NAME: ANDRE TUCKER

APPROVED BY:

DATE:

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE

ATC FACILITY: SEA APP CON, SLE TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BATTLE GROUND VORTAC STATE: WA COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 454452.12N/1223529.53W 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 FEET	MRA	MAA
1	BATTLE GROUND	BTG	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V112 5000 EASTBOUND
 MCA V182 5000 EASTBOUND
 MCA V448 9400 NORTHEAST BOUND
 MCA V468 5300 NORTHEAST BOUND
 MCA V520 4700 EASTBOUND

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	BTG	VORTAC	329.16	149.16	R	1	4200 14000	5 18
2	N	BTG	VORTAC	343.83	163.83	R	1	4200 14000	5 18
3	S	BTG	VORTAC	163.00	343.00	R	1	5000 45000	5 29
4	N		WP	345.00	165.00	R		4200 14000	6 19
5	S		WP	163.00	343.00	R	10	24000 40000	23 31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	455400.00N/1223512.00W	1132	4E
1	310	AAO	455936.00N/1223548.00W	3252	4E
2	200	AAO	455445.00N/1223451.00W	1277	4E
2	310	AAO	455936.00N/1223548.00W	3252	4E
3	200	AAO	454703.00N/1223106.00W	837	4E
4	200	AAO	455515.00N/1223427.00W	1615	4E
4	310	AAO	455936.00N/1223548.00W	3252	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
4	310	200

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	KPDX	PORTLAND	OR (US)
1	VOR-A	KPDX	PORTLAND	OR (US)
1	VOR/DME-A	KSPB	SCAPPOOSE	OR (US)
1	TAKEOFF MINIMUMS	KSPB	SCAPPOOSE	OR (US)
1	TAKEOFF MINIMUMS	KVUO	VANCOUVER	WA (US)
2	LOC/DME RWY 21	KPDX	PORTLAND	OR (US)
2	ILS OR LOC RWY 28R	KPDX	PORTLAND	OR (US)
2	ILS OR LOC RWY 10L	KPDX	PORTLAND	OR (US)
4	RNAV (GPS) Y RWY 10L	KPDX	PORTLAND	OR (US)
4	RNAV (GPS) X RWY 28R	KPDX	PORTLAND	OR (US)
4	RNAV (GPS)-A	KTTD	PORTLAND	OR (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PAT 3 REQUESTED BY PDX APP CON AND ZSE.
 PAT 5 10 MILE LEG PER ATC REQUEST, MAX DME LEG LENGTH FOR TEMPLATE 23 IS 12 NM.
 BTG MAG VAR 1975/E21.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EUGENE			KEUG	EUGENE	OR (US)
DP	CANBY			KHIO	PORTLAND	OR (US)
DP	SCAPO			KHIO	PORTLAND	OR (US)
DP	CASCADE (RNAV)			KPDX	PORTLAND	OR (US)
DP	HRMNS (RNAV)			KPDX	PORTLAND	OR (US)
DP	LAVAA (RNAV)			KPDX	PORTLAND	OR (US)
DP	PORTLAND			KPDX	PORTLAND	OR (US)
DP	TAKEOFF MINIMUMS		1	KPDX	PORTLAND	OR (US)
DP	WHAMY (RNAV)			KPDX	PORTLAND	OR (US)
DP	BLUE LAKE			KTTD	PORTLAND	OR (US)
DP	TAKEOFF MINIMUMS			KTTD	PORTLAND	OR (US)
DP	REDMOND			KRDM	REDMOND	OR (US)

DP	SALEM		KSLE	SALEM	OR (US)
DP	TAKEOFF MINIMUMS	1	KSPB	SCAPPOOSE	OR (US)
DP	YELM		KOLM	OLYMPIA	WA (US)
DP	KENT		KBFI	SEATTLE	WA (US)
DP	NEEDLE		KBFI	SEATTLE	WA (US)
DP	SEATTLE		KSEA	SEATTLE	WA (US)
DP	TAKEOFF MINIMUMS	1	KVUO	VANCOUVER	WA (US)
DP	NACHES		KYKM	YAKIMA	WA (US)
EN ROUTE	HIGH/LOW CHART	3			(US)
EN ROUTE	J1				(US)
EN ROUTE	J136				(US)
EN ROUTE	J15				(US)
EN ROUTE	J159				(US)
EN ROUTE	J16				(US)
EN ROUTE	J189				(US)
EN ROUTE	J67				(US)
EN ROUTE	J82				(US)
EN ROUTE	V112				(US)
EN ROUTE	V182				(US)
EN ROUTE	V23				(US)
EN ROUTE	V287				(US)
EN ROUTE	V448	3			(US)
EN ROUTE	V468				(US)
EN ROUTE	V495				(US)
EN ROUTE	V500				(US)
EN ROUTE	V520				(US)
IAP	LOC RWY 17		KUAO	AURORA	OR (US)
IAP	ILS OR LOC RWY 22		KMMV	MC MINNVILLE	OR (US)
IAP	RNAV (GPS) RWY 22		KMMV	MC MINNVILLE	OR (US)
IAP	ILS OR LOC RWY 13R		KHIO	PORTLAND	OR (US)
IAP	NDB-B		KHIO	PORTLAND	OR (US)
IAP	RNAV (GPS) RWY 13R		KHIO	PORTLAND	OR (US)
IAP	HI-ILS OR LOC RWY 28R		KPDIX	PORTLAND	OR (US)
IAP	HI-ILS OR LOC/DME RWY 10R		KPDIX	PORTLAND	OR (US)
IAP	HI-TACAN RWY 10R		KPDIX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10L	2	KPDIX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10R		KPDIX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28L		KPDIX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28R	2	KPDIX	PORTLAND	OR (US)
IAP	ILS RWY 10R (CAT II - III)		KPDIX	PORTLAND	OR (US)
IAP	ILS RWY 10R (SA CAT I)		KPDIX	PORTLAND	OR (US)
IAP	LOC/DME RWY 21	2	KPDIX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28R	4	KPDIX	PORTLAND	OR (US)
IAP	RNAV (GPS) Y RWY 10L	4	KPDIX	PORTLAND	OR (US)
IAP	TACAN RWY 28L		KPDIX	PORTLAND	OR (US)
IAP	VOR-A	1	KPDIX	PORTLAND	OR (US)
IAP	RNAV (GPS)-A	4	KTTD	PORTLAND	OR (US)
IAP	LOC/DME RWY 15		KSPB	SCAPPOOSE	OR (US)
IAP	RNAV (GPS) RWY 15		KSPB	SCAPPOOSE	OR (US)
IAP	VOR/DME-A	1	KSPB	SCAPPOOSE	OR (US)
STAR	HELNS		KUAO	AURORA	OR (US)
STAR	HELNS		KHIO	PORTLAND	OR (US)
STAR	OCITY	3	KHIO	PORTLAND	OR (US)
STAR	HELNS		KPDIX	PORTLAND	OR (US)
STAR	HHOOD (RNAV)		KPDIX	PORTLAND	OR (US)
STAR	KRATR (RNAV)		KPDIX	PORTLAND	OR (US)
STAR	OCITY	3	KPDIX	PORTLAND	OR (US)
STAR	TMBRS (RNAV)		KPDIX	PORTLAND	OR (US)
STAR	HELNS		KTTD	PORTLAND	OR (US)
STAR	OCITY	3	KTTD	PORTLAND	OR (US)
STAR	OLYMPIA	3	KPAE	EVERETT	WA (US)
STAR	OLYMPIA	3	KRNT	RENTON	WA (US)
STAR	OLYMPIA	3	KBFI	SEATTLE	WA (US)
STAR	HAWKZ (RNAV)	5	KSEA	SEATTLE	WA (US)
STAR	OLYMPIA	3	KSEA	SEATTLE	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 38

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

- REMOVED LOC Y RWY 31 AT KSLE FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: CHARLES THIBODEAUX

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CORVALLIS VOR/DME STATE: OR COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 442958.44N/1231737.18W 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	FEET	MRA	MAA
1	CORVALLIS	CVO	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	CVO	VOR/DME	154.00	334.00	R	1		3000	8000	4	8
2	E	CVO	VOR/DME	081.00	261.00	R	1		3400	17500	4	16
3	N	CVO	VOR/DME	356.60	176.60	R	1		4000	17500	4	16
4	SW	CVO	VOR/DME	212.37	032.37	R	1		3600	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	442506.00N/1232121.00W	1359	2C
2	200	AAO	443134.00N/1232306.00W	1239	2C
2	310	AAO	443747.87N/1232107.08W	2320	2C
3	200	AAO	443747.87N/1232107.08W	2320	2C
4	200	AAO	442524.00N/1232806.00W	2258	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
2	310	130
3	200	130
4	200	100

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKEOFF/DEPARTURE	S12	ALBANY	OR (US)
2	TAKEOFF/DEPARTURE	KCVO	CORVALLIS	OR (US)

REMARKS:

PAT 3 ATC REQUESTED.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAG VAR E18 1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF/DEPARTURE		2	S12	ALBANY	OR (US)
DP	SHEDD			KCVO	CORVALLIS	OR (US)
DP	TAKEOFF/DEPARTURE		2	KCVO	CORVALLIS	OR (US)
DP	EUGENE			KEUG	EUGENE	OR (US)
DP	REDMOND			KRDM	REDMOND	OR (US)
DP	SALEM			KSLE	SALEM	OR (US)
DP	ELMAA			KSEA	SEATTLE	WA (US)
EN ROUTE	J589					(US)
EN ROUTE	T263					(US)
EN ROUTE	V481					(US)
EN ROUTE	V495					(US)
EN ROUTE	V536					(US)
IAP	VOR-A		4	S12	ALBANY	OR (US)
IAP	ILS OR LOC RWY 17			KCVO	CORVALLIS	OR (US)
IAP	RNAV (GPS) RWY 17			KCVO	CORVALLIS	OR (US)
IAP	RNAV (GPS) RWY 35			KCVO	CORVALLIS	OR (US)
IAP	VOR RWY 17			KCVO	CORVALLIS	OR (US)
IAP	VOR-A			KCVO	CORVALLIS	OR (US)
IAP	ILS OR LOC 16L		1	KEUG	EUGENE	OR (US)
IAP	ILS OR LOC RWY 16R		1	KEUG	EUGENE	OR (US)
IAP	ILS RWY 16R (CAT II)		1	KEUG	EUGENE	OR (US)
IAP	ILS RWY 16R (CAT III)		1	KEUG	EUGENE	OR (US)
IAP	ILS RWY 16R (SA CAT I)		1	KEUG	EUGENE	OR (US)
IAP	RNAV (GPS) Y RWY 16L			KEUG	EUGENE	OR (US)
IAP	RNAV (GPS) Y RWY 16R			KEUG	EUGENE	OR (US)
IAP	RNAV (RNP) Z RWY 16L			KEUG	EUGENE	OR (US)
IAP	RNAV (RNP) Z RWY 16R			KEUG	EUGENE	OR (US)
IAP	ILS OR LOC Z RWY 31			KSLE	SALEM	OR (US)
IAP	LOC BC RWY 13			KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31			KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31			KSLE	SALEM	OR (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 03/24/2022

REASON FOR REVISION:

1. HOLDING: UPDATED PAT 4 MIN HOLDING ALTITUDE FROM 3500 FEET TO 3600 FEET.
2. CONTROLLING OBSTRUCTIONS: UPDATED PAT 4 FROM AAO 2319 2C 442534.12N/1232804.36W TO AAO 2258 4E 442524.00N/1232806.00W.
3. PRECIPITOUS TERRAIN ADDITIONS: ADDED PAT 4 SPEED 200 AND ADDITION 100 FEET.
4. FIX USE: UPDATED KS12 IAP FROM VOR/DME OR GPS-A TO VOR-A.
5. HOLDING: UPDATED PAT 2 LEG TIME FROM 1-1 1/2 TO 1.
6. FIX USE: ADDED PAT 1 TO IAP ILS RWY 16R (SA CAT I) AT KEUG.

THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/17/21.

1. ADDED HP 4 TO FIX USE ON S12 VOR-A - APPROACH AT S12 USES HP 4.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DALLIN STRICKLAND

APPROVED BY:

DATE: 01/27/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: NEWBERG VOR/DME

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 452111.64N/1225841.33W

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 FEET	MRA	MAA
1	NEWBERG	UBG	VOR/DME	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	S	UBG	VOR/DME	183.00	003.00	R	1-1 1/2	3000 17500	4 16
2	S	UBG	VOR/DME	183.00	003.00	L	1-1 1/2	3800 17500	4 16
3	S		WP	183.00	003.00	L		3000 17500	5 17
4	W	UBG	VOR/DME	288.00	108.00	R	1-1 1/2	3900 17500	4 16
5	S		WP	186.00	006.00	L		3000 17500	5 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	452112.00N/1225839.00W	1805	4E
1	265	AAO	452348.00N/1230324.00W	1834	4E
1	310	AAO	452348.00N/1230324.00W	1834	4E
2	200	AAO	452348.00N/1230324.00W	1834	4E
2	310	AAO	451651.50N/1232637.90W	1834	4E
3	200	AAO	452348.00N/1230324.00W	1834	4E
4	200	AAO	452348.00N/1230324.00W	1834	4E
4	310	AAO	453103.00N/1232254.00W	2868	4E
5	200	AAO	452348.00N/1230324.00W	1834	4E
5	310	AAO	451651.50N/1232637.90W	3320	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC OPERATIONS
PAT 3 TERRAIN AVOIDANCE
PAT 5 TERRAIN AVOIDANCE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 13R	KHIO	PORTLAND	OR (US)
2	TAKEOFF MINIMUMS	KUAO	AURORA	OR (US)
2	TAKEOFF MINIMUMS	KMMV	MC MINNVILLE	OR (US)
3	RNAV (GPS) RWY 13R	KHIO	PORTLAND	OR (US)
4	TAKEOFF MINIMUMS	KHIO	PORTLAND	OR (US)
5	NEWBERG (RNAV)	KUAO	AURORA	OR (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 5 FOR NEWBERG DP CIH PATTERN (P21).
PATTERN 2 CIH PATTERN (P20).
FACILITY MAG VAR E21 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NEWBERG (RNAV)		5	KUAO	AURORA	OR (US)
DP	TAKEOFF MINIMUMS		2	KUAO	AURORA	OR (US)
DP	EUGENE			KEUG	EUGENE	OR (US)
DP	TAKEOFF MINIMUMS		2	KMMV	MC MINNVILLE	OR (US)
DP	FARMINGTON			KHIO	PORTLAND	OR (US)
DP	TAKEOFF MINIMUMS		4	KHIO	PORTLAND	OR (US)
DP	LAVAA (RNAV)			KPDX	PORTLAND	OR (US)
DP	PORTLAND			KPDX	PORTLAND	OR (US)
DP	WHAMY (RNAV)			KPDX	PORTLAND	OR (US)
DP	BLUE LAKE			KTTD	PORTLAND	OR (US)
DP	REDMOND			KRDM	REDMOND	OR (US)
DP	SALEM			KSLE	SALEM	OR (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
EN ROUTE	J126					(US)
EN ROUTE	T263					(US)
EN ROUTE	V165					(US)
EN ROUTE	V182					(US)
EN ROUTE	V287		2			(US)
EN ROUTE	V495					(US)
EN ROUTE	V500					(US)

IAP	LOC RWY 17	1	KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 17		KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 35		KUAO	AURORA	OR (US)
IAP	ILS OR LOC RWY 22		KMMV	MC MINNVILLE	OR (US)
IAP	RNAV (GPS) RWY 22		KMMV	MC MINNVILLE	OR (US)
IAP	RNAV (GPS) RWY 4		KMMV	MC MINNVILLE	OR (US)
IAP	VOR/DME-B		KMMV	MC MINNVILLE	OR (US)
IAP	ILS OR LOC RWY 13R	1	KHIO	PORTLAND	OR (US)
IAP	NDB-B	1	KHIO	PORTLAND	OR (US)
IAP	RNAV (GPS) RWY 13R	3	KHIO	PORTLAND	OR (US)
IAP	HI ILS OR LOC RWY 28R		KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10R	1	KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28L	2	KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (CAT II - III)	1	KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (SA CAT I)	1	KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L	3	KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28L	3	KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Z RWY 28L	3	KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC Z RWY 31		KSLE	SALEM	OR (US)
IAP	LOC BC RWY 13		KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31		KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 13		KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31		KSLE	SALEM	OR (US)
STAR	HOOB (RNAV)		KPDX	PORTLAND	OR (US)
STAR	TMBRS (RNAV)		KPDX	PORTLAND	OR (US)
STAR	OLYMPIA		KPAE	EVERETT	WA (US)
STAR	OLYMPIA		KRNT	RENTON	WA (US)
STAR	OLYMPIA		KBFI	SEATTLE	WA (US)
STAR	OLYMPIA		KSEA	SEATTLE	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 08/11/2022

REASON FOR REVISION:

REMOVED KHIO VOR-C FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A412

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE: 08/11/2022

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE: