

RADIO FIX AND HOLDING DATA RECORD

NAME: ADDUM

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 453153.86N/1222731.51W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	PORTLAND	I-JMJ	LOC/DME		103.03	119.03	5.84	8.12	49350	2000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ASSOCIATED DME FACILITY 453446.74N/1223445.23W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 28L	1		KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Z RWY 28L			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 06/25/2015

REASON FOR REVISION:

MAG BEARING CHANGED FROM 99.03 TO 103.03.

DEVELOPED BY:

DATE: 09/08/2014

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 05/07/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX TRACON
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 V468 5300 NORTHEAST BOUND
MCA V448 9400 NORTHEAST BOUND
MCA V112-182-520 4700 EASTBOUND

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	NW	BTG	VORTAC	329.16	149.16	R	1-1 1/2		4200	14000	5	18
2	N	BTG	VORTAC	343.83	163.83	R	1-1 1/2		4200	14000	5	18
3	S	BTG	VORTAC	163.00	343.00	R	1-1 1/2		4000	45000	4	29
4	N		WP	345.00	165.00	R		5	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 PATTERNS.

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	ILS OR LOC RWY 10L	KPDX	PORTLAND	OR (US)
2	ILS OR LOC RWY 28R	KPDX	PORTLAND	OR (US)
2	LDA-A	KVUO	VANCOUVER	WA (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.
CHART PAT 3 ENROUTE HIGH AND LOW.
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	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	TAKEOFF MINIMUMS		KKLS	KELSO	WA (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	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		KPDX	PORTLAND	OR (US)
IAP	HI-ILS OR LOC/DME RWY 10R		KPDX	PORTLAND	OR (US)
IAP	HI-TACAN RWY 10R		KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10L	2	KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10R		KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28L		KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28R	2	KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (CAT II - III)		KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (SA CAT I)		KPDX	PORTLAND	OR (US)
IAP	LOC/DME RWY 21	2	KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28R	4	KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) Y RWY 10L	4	KPDX	PORTLAND	OR (US)
IAP	TACAN RWY 28L		KPDX	PORTLAND	OR (US)
IAP	VOR-A	1	KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS)-A	4	KTTD	PORTLAND	OR (US)
IAP	LOC Y RWY 31		KSLE	SALEM	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)
IAP	NDB-A		KKLS	KELSO	WA (US)
IAP	LDA-A	2	KVUO	VANCOUVER	WA (US)
STAR	HELNS		KUAO	AURORA	OR (US)
STAR	HELNS		KHIO	PORTLAND	OR (US)
STAR	MOXEE		KHIO	PORTLAND	OR (US)
STAR	HELNS		KPDX	PORTLAND	OR (US)
STAR	HOOOD (RNAV)		KPDX	PORTLAND	OR (US)
STAR	KRATR (RNAV)		KPDX	PORTLAND	OR (US)
STAR	MOXEE		KPDX	PORTLAND	OR (US)
STAR	TMBRS (RNAV)		KPDX	PORTLAND	OR (US)
STAR	HELNS		KTTD	PORTLAND	OR (US)
STAR	MOXEE		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, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 31

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

UPDATED PAT 1, 2 AND 4 310 AIRSPEED CONTROLLING OBS; UPDATED PAT 1, 200 AIRSPEED CONTROLLING OBS.

ADDED FACILITY MAG VAR

UPDATED PRECIPITOUS TERRAIN ADDITIONS; PAT 2 REMOVED PRECIPITOUS TERRAIN ADJ; PAT 4 UPDATED PRECIPITOUS TERRAIN ADJ FROM 190 TO 200.

UPDATED FIX USE, PROCEDURE NAME CHANGED FROM "HI ILS OR LOC/DME RWY 28R" TO "HI ILS OR LOC RWY 28R AT KPDX; REMOVED DP MINNE @ KPDX.

DEVELOPED BY: **DATE:** 07/06/2017

OFFICE: AJV-5423

NAME: HEIDI SNIDER

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZSE

ATC FACILITY: SEA APP CON, PDX APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ENDZZ **STATE:** OR **COUNTRY:** US **ICAO REGION CODE:** K1

LATITUDE/LONGITUDE: 452556.01N/1225404.55W **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 NM	FAC FEET	MRA	MAA
1	BATTLE GROUND	BTG	VORTAC	H	193.68	214.68	23.00	23.00		4000	17500

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	N	BTG	VORTAC	193.68	193.68	R	1	4000 14000	9 14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (41-000040)	453120.00N/1224450.00W	2053	1D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V287	1				(US)
EN ROUTE	V495	1				(US)
EN ROUTE	V500	1				(US)
IAP	ILS OR LOC RWY 28L	1	1	KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 06/25/2015

REASON FOR REVISION:

UPDATED HOLDING OBSTACLE ALTITUDE FROM 2049 TO 2053.
ADDED LEG TIME 1, DELETED DME 7.

DEVELOPED BY: **DATE:** 10/06/2014 **OFFICE:** AJV-354 **NAME:** KISSY MAXFIELD

APPROVED BY: **DATE:** 05/07/2015 **OFFICE:** AJV-354 **NAME:** JILL OLSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HANAH

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 453026.14N/1222347.70W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	PORTLAND	I-JMJ	LOC/DME		103.03	119.03	8.84	11.12		2900	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ASSOCIATED DME FACILITY 453446.74N/1223445.23W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 28L	1		KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Z RWY 28L			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/25/2015

REASON FOR REVISION:

MAG BEARING CHANGED FROM 99.03 TO 103.03.

DEVELOPED BY:

DATE: 09/08/2014

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 05/07/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HPSTR

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 452818.56N/1221823.08W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	PORTLAND	I-JMJ	LOC/DME		103.03	119.03	13.20	15.48		3700	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM JEPIP TO HPSTR.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 28L	1		KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Z RWY 28L			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/25/2015

REASON FOR REVISION:

FAC 1 MRA CHANGED FROM 3500 TO 3700.
MAG BEARING CHANGED FROM 99.03 TO 103.03.

DEVELOPED BY:

DATE: 09/06/2014

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 05/07/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 452111.62N/1225841.37W **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	NEWBERG	UBG	VOR/DME	H						45000

FIX RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

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	WP	183.00	003.00	L		4	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	WP	186.00	006.00	L		4	3000	17500	5	17

CONTROLLING OBSTRUCTIONS:

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

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKEOFF MINIMUMS	KUAO	AURORA	OR (US)
2	TAKEOFF MINIMUMS	KMMV	MC MINNVILLE	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).
IPDS DERIVED AAO OBSTACLE 1834 FT.
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	CANBY			KHIO	PORTLAND	OR (US)
DP	FARMINGTON			KHIO	PORTLAND	OR (US)
DP	SCAPO			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	VOR/DME-C	1	KHIO	PORTLAND	OR (US)
IAP	HI ILS OR LOC RWY 28R		KPDX	PORTLAND	OR (US)
IAP	HI ILS OR LOC/DME RWY 10R		KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10L		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 OR LOC RWY 28R		KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (CAT II/III)		KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (SA CAT I)		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 31		KSLE	SALEM	OR (US)
STAR	MOXEE		KHIO	PORTLAND	OR (US)
STAR	HOOOD		KPDX	PORTLAND	OR (US)
STAR	MOXEE		KPDX	PORTLAND	OR (US)
STAR	MOXEE		KTTD	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, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

UPDATED FIX USE; PROCEDURE NAME CHANGED FROM "HI ILS OR LOC/DME RWY 28R" TO "HI ILS OR LOC RWY 28R AT KPDX; REMOVED DP CASCADE, HRMNS AND MINNE AT KPDX; ADDED STAR MOXEE @ KHIO & KTTD AND HOOOD AT KPDX AND IAP ILS OR LOC RWY 10L @ KPDX.

DEVELOPED BY: **DATE:** 08/08/2017 **OFFICE:** AJV-5423 **NAME:** HEIDI SNIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: REEDI

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 452821.08N/1221052.53W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP	ILS OR LOC RWY 28L			KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28R			KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28R			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/25/2015

DEVELOPED BY: DATE: 09/06/2014

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY: DATE: 05/07/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SHAFR

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 453233.99N/1220225.15W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 28L			KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28R			KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28R			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28R			KPDX	PORTLAND	OR (US)
STAR	HOOB (RNAV)			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/25/2015

REASON FOR REVISION:

ADDED ILS OR LOC RWY 28R/L AND RNAV (GPS) X RWY 28L/R.

DEVELOPED BY:

DATE: 09/06/2014

OFFICE: AJV-354

NAME: KISSY MAXFIELD

APPROVED BY:

DATE: 04/15/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

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