

RADIO FIX AND HOLDING DATA RECORD

NAME: DUBMY STATE: OR COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 450158.66N/1224828.39W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

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	S		WP	172.12	352.12	R	4	3700 6000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (41-000357)	445955.20N/1224140.96W	2064	1A
1	310	AAO	444954.00N/1223519.40W	2720	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	150

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 17	KUAO	AURORA	OR (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17		1	KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 35		1	KUAO	AURORA	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

PAT 1; CHANGED TEMPLATE MAX FROM 6 TO 13.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: GORDON LEMON

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
WARDELL HENNING

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

Nov 04, 2019



RADIO FIX AND HOLDING DATA RECORD

NAME: LUTZZ STATE: OR COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 452216.69N/1224452.74W 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	AURORA	I-UAO	LOC/DME		352.14	007.14	8.09	8.09	49140	2500	4600
2	NEWBERG	UBG	VOR/DME	H	062.56	083.56		9.80		2500	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	S		WP	172.15	352.15	R		4	2500	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	452615.00N/1224321.00W	1273	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

AURORA (FAC 1) AND NEWBERG (FAC 2) USED TO ESTABLISH FIX COORDINATES
 I-UAO DME COORDINATES ARE 451415.65N-1224621.95W
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 17	1, 2		KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 17			KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 35		1	KUAO	AURORA	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

HOLDING RESTRICTIONS; ADDED HOLDING LIMITED TO ESTABLISHED PATTERN.
 REMARKS; ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: GORDON LEMON

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
WARDELL HENNING

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

Nov 04, 2019

QUALITY
24
CHECKED

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	MRA FEET	MAA
1	NEWBERG	UBG	VOR/DME	H						45000

FIX RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

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	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
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
UPN	200	AAO	452348.00N/1230324.00W	1834	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
1	ILS OR LOC RWY 13R	KHIO	PORTLAND	OR (US)
1	VOR-C	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	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-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 13		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, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

FIX USE PROCEDURE CHANGED FROM VOR/DME-C TO VOR-C AT KHIO.
 ADDED "CONTROLLER LOW, CONTROLLER HIGH" TO REQUIRED CHARTING.
 UPDATED AAO 1834 CONTROLLING OBS AC TO 4E.
 ADDED 310 KNOT HOLDING PATTERN TO PATTERN 1.
 ADDED THREE PROCEDURES REQUIRING CLIMB IN HOLD AT KHIO.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** GORDON LEMON

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE: *Digitally signed by*

WARDELL HENNING

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QUALITY
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