

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 450151.49N/1230554.25W **TYPE:** INT, 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	NEWBERG	UBG	VOR/DME	H	173.82	194.82	20.00	20.00		4000	17500
2	TURN0	SL	NDB	MH	313.35	330.35		12.68		4000	17500
3	LEWISBURG	LWG	NDB	MH	001.31	016.31		26.10		4300	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LWG	NDB	BRG-001	27	4300	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	UBG	VOR/DME	173.82	353.82	R	1-1 1/2	4000 17500	5 17
2	S	UBG	VOR/DME	173.82	353.82	L	1-1 1/2	4000 17500	5 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	452112.00N/1225839.00W	1805	4E
2	200	AAO	452348.00N/1230324.00W	1834	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

NEWBERG (FAC 1) AND TURN0 (FAC 2) USED TO ESTABLISH FIX COORDINATES
HOLDING PATTERNS 1 & 2 REQUESTED BY AIR TRAFFIC.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SALEM	1, 2		KSLE	SALEM	OR (US)
EN ROUTE	V-495	1	2			(US)
IAP	ILS OR LOC RWY 17	1, 2, 3		KCVO	CORVALLIS	OR (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 01/05/2017

REASON FOR REVISION:

- RE-CHARTERIZED FAC 2 FROM TURN0 LOM TO TURN0 NDB (SL) - THE OM PORTION IS BEING REMOVED; STAND ALONE SL NDB WILL REMAIN.
- MOVED HOLDING LIMITED TO ESTABLISHED PATTERNS FROM FIX RESTRICTIONS TO HOLDING RESTRICTIONS.

DEVELOPED BY: **DATE:** 09/28/2016 **OFFICE:** AJV-5433 **NAME:** SYLVAN DRAKES

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

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: EUG, PDX
OTHER:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TURNO NDB STATE: OR COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 445050.76N/1225703.68W TYPE: INT, 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	TURNO	SL	NDB	MH							17500
2	SALEM	I-SLE	LOC/DME		133.09	150.09	4.97	4.98	30234	1700	17500
3	EUGENE	EUG	VORTAC	H	354.90	014.90	45.13	45.13		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SLE	LOC/DME	BRG-133	5	4600	17500
EUG	VORTAC	R-355	46	3000	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	SE	SL	NDB	133.09	313.09	L	1-1 1/2	3000 17500	4 16
2	S	EUG	VORTAC	354.90	354.90	R	1-1 1/2	3000 17500	6 18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	444644.70N/1225922.50W	1295	6C
1	310	AAO	444036.00N/1224339.00W	1651	4E
2	200	AAO	444644.70N/1225922.50W	1295	6C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.
 UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3200.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC Z RWY 31	KSLE	SALEM	OR (US)
1	LOC Y RWY 31	KSLE	SALEM	OR (US)
1	TAKEOFF MINS (ODP)	KSLE	SALEM	OR (US)

REMARKS:

1. I-SLE DME COORDINATES: 445507.81N/1230036.29W.
2. PAT 2 ATC REQUEST.
3. HOLDING PATTERN 1 BASED ON TURNO NDB.
4. HOLDING PATTERN 2 REQUIRES DME.
5. PRECIPITOUS TERRAIN EVALUATION COMPLETED.
6. FACILITY MAG VAR E17 2005.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SALEM	1		KSLE	SALEM	OR (US)
DP	TAKEOFF MINS (ODP)	1	1	KSLE	SALEM	OR (US)
EN ROUTE	V-23	2, 3				(US)
IAP	ILS OR LOC RWY 17	1, 3		KCVO	CORVALLIS	OR (US)
IAP	ILS OR LOC Z RWY 31	1, 2	1	KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31	1, 2	1	KSLE	SALEM	OR (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 01/05/2017

REASON FOR REVISION:

1. UPDATED FIX NAME FROM TURNO OM TO TURNO NDB, TURNO OM WILL BE REMOVED AND THE NDB WILL REMAIN.
2. UPDATED FACILITY TYPE FROM OM TO NDB.
3. ADDED (FAC 2) TO ENROUTE V-23 FIX USE.
4. UPDATED PAT 1 TYPE FROM OM TO NDB.
5. UPDATED REMARKS HOLDING FROM PATTERN 1 BASED ON TURNO OM TO HOLDING PATTERN 1 BASED ON TURNO NDB.
6. DELETED ACTUAL FACILITY LOCATION FROM NAME/TYPE AND ADDED NDB LOCATION.
7. ADDED FACILITY MAG VAR E17 2005 TO REMARKS.
8. ADDED TAKEOFF MINS (ODP) KSLE (FAC 1)(PAT 1) TO FIX USE AND TO (PAT 1)PROCEDURES REQUIRING CLIMB-IN-HOLD.

QUALITY
23
CHECKED

DEVELOPED BY: **DATE:** 09/23/2016 **OFFICE:** AJV-5433 **NAME:** SYLVAN DRAKES
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** LONNIE EVERHART
SIGNATURE:
DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZSE
 ATC FACILITY: SEA APP CON/SLE ATCT
 OTHER:

QUALITY
23
CHECKED