

RADIO FIX AND HOLDING DATA RECORD

NAME: EDSEW

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470803.57N/1194741.35W

TYPE: WP

AIRSPACE DOCKET: 17-ANM-24

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	ELLENSBURG	ELN	VOR/DME	H	055.12	076.12		28.00		7000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T268					(US)
EN ROUTE	V2	1				(US)
IAP	RNAV (GPS) Y RWY 4			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (RNP) Z RWY 4			KMWH	MOSES LAKE	WA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

ADDED AIRSPACE DOCKET 17-ANM-24.
DELETED FAC 1 (ELN) DME FROM FIX MAKE-UP FACILITIES. DME RESTRICTED.
DELETED DME FROM FIX TYPE.
ADDED T268 TO FIX USE.
DELETED KMWH GLS RWY 4 FROM FIX USE.
ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BARRY SMITH

APPROVED BY:

DATE: 11/15/2019

OFFICE: AJV-A422

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: MOSES LAKE VOR/DME **STATE:** WA **COUNTRY:** US **ICAO REGION CODE:** K1

LATITUDE/LONGITUDE: 471239.11N/1191900.54W **TYPE:**

AIRSPACE DOCKET: 17-ANM-24 **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	MOSES LAKE	MWH	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	SE	MWH	VOR/DME	150.00	330.00	L	1	3200 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	471339.00N/1191418.00W	1513	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC TRAFFIC

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 1 UNPUBLISHED FOR ATC.
MAGVAR 18E/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TRI-CITIES			KPSC	PASCO	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	MOUNTAIN			KSEA	SEATTLE	WA (US)
DP	SPOKANE			KGEG	SPOKANE	WA (US)
DP	FELTS			KSFF	SPOKANE	WA (US)
DP	WALLA WALLA			KALW	WALLA WALLA	WA (US)
DP	GROMO			KYKM	YAKIMA	WA (US)
DP	NACHES			KYKM	YAKIMA	WA (US)
DP	WENAS			KYKM	YAKIMA	WA (US)
EN ROUTE	J34					(US)
EN ROUTE	J90					(US)
EN ROUTE	T268					(US)
EN ROUTE	V2					(US)
EN ROUTE	V281					(US)
EN ROUTE	V357					(US)
EN ROUTE	V448					(US)
EN ROUTE	V497					(US)
IAP	RNAV (GPS) RWY 21			KEPH	EPHRATA	WA (US)
IAP	RNAV (GPS) RWY 3			KEPH	EPHRATA	WA (US)
IAP	VOR RWY 21			KEPH	EPHRATA	WA (US)
IAP	ILS OR LOC RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	NDB RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 14L			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 22			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 4			KMWH	MOSES LAKE	WA (US)
IAP	VOR RWY 22			KMWH	MOSES LAKE	WA (US)
IAP	VOR RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	VOR RWY 4			KMWH	MOSES LAKE	WA (US)
IAP	VOR-1 RWY 14L			KMWH	MOSES LAKE	WA (US)
IAP	VOR-3 RWY 14L			KMWH	MOSES LAKE	WA (US)
IAP	ILS Y RWY 12			KEAT	WENATCHEE	WA (US)
STAR	CHINS			KPAE	EVERETT	WA (US)
STAR	CHINS			KRNT	RENTON	WA (US)
STAR	EPHRATA			KRNT	RENTON	WA (US)
STAR	CHINS			KBFI	SEATTLE	WA (US)
STAR	EPHRATA			KBFI	SEATTLE	WA (US)
STAR	CHINS			KSEA	SEATTLE	WA (US)
STAR	EPHRATA			KSEA	SEATTLE	WA (US)
STAR	ZOOMR			KGEG	SPOKANE	WA (US)
STAR	ZOOMR			KSFF	SPOKANE	WA (US)
STAR	ZOOMR			SKSA	SPOKANE	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: 14

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

UPDATED FIX USE, REMOVED MOSES DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZSE

ATC FACILITY: MWH APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ONPIC

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470514.27N/1193315.84W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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	SW		WP	216.01	036.01	R	4	3500 8000	5 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	465740.90N/1193709.70W	1960	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 22		1	KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 4		1	KMWH	MOSES LAKE	WA (US)
IAP	RNAV (RNP) Z RWY 22		1	KMWH	MOSES LAKE	WA (US)
IAP	RNAV (RNP) Z RWY 4			KMWH	MOSES LAKE	WA (US)
SPECIAL IAP	GLS RWY 04			KMWH	MOSES LAKE	WA (US)
SPECIAL IAP	GLS RWY 22			KMWH	MOSES LAKE	WA (US)

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/27/2022

REASON FOR REVISION:

1. FIX RESTRICTIONS: REMOVED SPECIAL GLS RWY 22, KMWH, MOSES LAKE, WA AND SPECIAL GLS RWY 04, KMWH, MOSES LAKE, WA
2. FIX USE: CHANGED IAP TO SPECIAL IAP ON GLS RWY 04 AND GLS RWY 22 AT KMWH
3. FIX USE: ADDED PAT 1 TO RNAV (RNP) Z RWY 22 AT KMWH
4. REQUIRED CHARTING: ADDED SPECIAL IAP

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: RUBEL

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470152.48N/1193815.96W

TYPE: WP, 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 FAC NM	FEET	MRA	MAA
1	MOSES LAKE	MWH	VOR/DME	H	212.77	230.77	17.01	17.01		4000	17500
2	ELLENSBURG	ELN	VOR/DME	H	068.00	089.00	33.69	33.69		4000	17500
3	EPHRATA	EPH	VORTAC	H	181.87	202.87	22.57	22.57		4000	17500

REMARKS:

MOSES LAKE (FAC 1) AND ELLENSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WENAS	1, 2, 3		KYKM	YAKIMA	WA (US)
EN ROUTE	V448	1, 2, 3				(US)
IAP	ILS OR LOC RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	NDB RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 4			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (RNP) Z RWY 4			KMWH	MOSES LAKE	WA (US)
SPECIAL IAP	GLS RWY 04			KMWH	MOSES LAKE	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 01/27/2022

REASON FOR REVISION:

1. FIX RESTRICTIONS: REMOVED SPECIAL GLS RWY 04, KMWH, MOSES LAKE, WA
2. FIX USE: CHANGED IAP TO SPECIAL IAP ON GLS RWY 04 AT KMWH
3. REQUIRED CHARTING: ADDED SPECIAL IAP, AND CHANGED CONTROLLER TO CONTROLLER LOW

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: UBGUY

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470855.96N/1192547.96W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX USE:

USE TYPE

IAP
IAP
SPECIAL IAP

USE TITLE

RNAV (GPS) Y RWY 4
RNAV (RNP) Z RWY 4
GLS RWY 04

FAC

PAT

AIRPORT IDENT

KMWH
KMWH
KMWH

CITY

MOSES LAKE
MOSES LAKE
MOSES LAKE

STATE

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

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/27/2022

REASON FOR REVISION:

1. FIX RESTRICTIONS: REMOVED SPECIAL GLS RWY 04, KMWH, MOSES LAKE, WA
2. FIX USE: CHANGED IAP TO SPECIAL IAP FOR GLS RWY 04 AT KMWH
3. REQUIRED CHARTING: ADDED SPECIAL IAP

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WIPES

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472446.55N/1190629.42W

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	EPHRATA	EPH	VORTAC	H	059.61	080.61	13.04	13.04		4000	17500
2	MOSES LAKE	MWH	VOR/DME	H	017.00	035.00	14.82	14.82		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	NE	EPH	VORTAC	059.61	239.61	R	1		4000	8000	4	8
2	NE		WP	059.61	239.61	R		4	4000	8000	5	9
3	S		WP	195.47	015.47	R		4	5000	8000	6	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	473006.00N/1185621.00W	2008	4E
2	200	AAO	472818.00N/1185145.00W	2044	4E
3	200	AAO	472930.82N/1190503.17W	1979	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WIPES (RNAV)			K2S8	WILBUR	WA (US)
EN ROUTE	V120		1			(US)
IAP	RNAV (GPS) RWY 21			KEPH	EPHRATA	WA (US)
IAP	ILS OR LOC RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	NDB RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 14L			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS) Y RWY 4		2	KMWH	MOSES LAKE	WA (US)
IAP	RNAV (RNP) Z RWY 14L			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (RNP) Z RWY 4		2	KMWH	MOSES LAKE	WA (US)
IAP	VOR RWY 32R			KMWH	MOSES LAKE	WA (US)
IAP	RNAV (GPS)-A		3	K2S8	WILBUR	WA (US)
SPECIAL IAP	GLS RWY 14L			KMWH	MOSES LAKE	WA (US)
SPECIAL IAP	GLS RWY 4			KMWH	MOSES LAKE	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 01/27/2022

REASON FOR REVISION:

1. CONTROLLING OBSTRUCTIONS: CHANGED PAT 2 LAT/LONG FROM "472821.00N/1185145.00W" TO "472818.00N/1185145.00W"
2. FIX USE: REMOVED IAP VOR RWY 21 AT KEPH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: YELUG

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471628.68N/1191027.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX USE:

USE TYPE

IAP
IAP
SPECIAL IAP

USE TITLE

RNAV (GPS) Y RWY 4
RNAV (RNP) Z RWY 4
GLS RWY 04

FAC

PAT

AIRPORT IDENT

KMWH
KMWH
KMWH

CITY

MOSES LAKE
MOSES LAKE
MOSES LAKE

STATE

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

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/27/2022

REASON FOR REVISION:

1. FIX RESTRICTIONS: REMOVED SPECIAL GLS RWY 04, KMWH, MOSES LAKE, WA
2. FIX USE: CHANGED IAP TO SPECIAL IAP FOR GLS RWY 04 AT KMWH
3. REQUIRED CHARTING: ADDED SPECIAL IAP

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOBEM

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471059.07N/1192138.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 4

FAC

PAT

AIRPORT IDENT
KMWH

CITY
MOSES LAKE

STATE
WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/10/2011

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/18/2010

OFFICE: AVN-130

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 12/23/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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