

RADIO FIX AND HOLDING DATA RECORD

NAME: LAS VEGAS VORTAC STATE: NV COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360446.93N/1150935.27W TYPE:

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	MRA FEET	MAA
1	LAS VEGAS	LAS	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V105 10500 WESTBOUND

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	E	LAS	VORTAC	071.00	251.00	R	1		6000	14000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	200' AAO	361244.97N/1152732.79W	8354	2A
1	200	SPOT + AAO (LV-S-0138)	361038.70N/1145940.50W	4280	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	369

HOLDING RESTRICTIONS:

PATTERN 1 310KT USE ABOVE 140 FOR MILITARY USE ONLY.
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 9800.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 15 DEGREES EAST (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SLAPP (RNAV)			KBUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			KLGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	OSHNN (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			KONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			KSNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			KSNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			KSMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			KSMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			KVNY	VAN NUYS	CA (US)
DP	HAYEZ			KVNY	VAN NUYS	CA (US)
DP	TAKEOFF MINIMUMS			KHND	LAS VEGAS	NV (US)
DP	HOOVER			KLAS	LAS VEGAS	NV (US)
DP	LAS VEGAS			KLAS	LAS VEGAS	NV (US)
DP	MCCARRAN			KLAS	LAS VEGAS	NV (US)
DP	DREAM			KLSV	LAS VEGAS	NV (US)
DP	MORMON MESA			KLSV	LAS VEGAS	NV (US)
DP	BOULDER CITY (OBSTACLE)			KVGT	LAS VEGAS	NV (US)
DP	NORTHTOWN			KVGT	LAS VEGAS	NV (US)
DP	RIGHTTURN			KVGT	LAS VEGAS	NV (US)
EN ROUTE	J100					(US)
EN ROUTE	J146					(US)
EN ROUTE	J76					(US)
EN ROUTE	J9					(US)
EN ROUTE	Q70					(US)
EN ROUTE	V105					(US)
EN ROUTE	V237					(US)
EN ROUTE	V394					(US)
EN ROUTE	V538					(US)
EN ROUTE	V562					(US)
IAP	VOR-C			KHND	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 01L			KLAS	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 26L			KLAS	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 26R			KLAS	LAS VEGAS	NV (US)
IAP	RNAV (GPS) RWY 19L			KLAS	LAS VEGAS	NV (US)
IAP	RNAV (GPS) RWY 19R			KLAS	LAS VEGAS	NV (US)
IAP	VOR RWY 26 L/R			KLAS	LAS VEGAS	NV (US)
IAP	VOR/DME-A			KLAS	LAS VEGAS	NV (US)
IAP	GPS RWY 12R			KVGT	LAS VEGAS	NV (US)
IAP	GPS RWY 30L			KVGT	LAS VEGAS	NV (US)

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IAP	ILS OR LOC RWY 12L	1	KVGT	LAS VEGAS	NV (US)
STAR	ADDEL (RNAV)		KHND	LAS VEGAS	NV (US)
STAR	CLARR		KHND	LAS VEGAS	NV (US)
STAR	KNGMN (RNAV)		KHND	LAS VEGAS	NV (US)
STAR	LUXOR		KHND	LAS VEGAS	NV (US)
STAR	NOOTN (RNAV)		KHND	LAS VEGAS	NV (US)
STAR	CLARR		KLAS	LAS VEGAS	NV (US)
STAR	CRESO		KLAS	LAS VEGAS	NV (US)
STAR	KEPEC (RNAV)		KLAS	LAS VEGAS	NV (US)
STAR	LUXOR		KLAS	LAS VEGAS	NV (US)
STAR	SITEE (RNAV)		KLAS	LAS VEGAS	NV (US)
STAR	SUNST (RNAV)		KLAS	LAS VEGAS	NV (US)
STAR	TYSSN (RNAV)		KLAS	LAS VEGAS	NV (US)
STAR	CLARR		KVGT	LAS VEGAS	NV (US)
STAR	LUXOR		KVGT	LAS VEGAS	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

INCREASED FAC1 (LAS) MCA FROM 8500 TO 10500 WESTBOUND IN FIX RESTRICTIONS.

DEVELOPED BY: **DATE:** 09/12/2017 **OFFICE:** AJV-5410 **NAME:** VICTOR NASO (BARRY SMITH)

APPROVED BY: **DATE:** *Digitally signed by* **OFFICE:** AJV-5410 **NAME:** GEORGE DAVIS

SIGNATURE: **ALLAN WILL**

Oct 19, 2017

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: LAS APP CON
OTHER:

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RADIO FIX AND HOLDING DATA RECORD

NAME: HARLS

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360401.22N/1152247.05W

TYPE: 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	LAS VEGAS	LAS	VORTAC	H	251.00	266.00	10.72	10.72		7000	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

LAS VEGAS (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V105	1				

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

DELETED HOLDING AND REMARKS.

DELETED INT FROM FIX TYPE.

DELETED FAC2 GOFFS(GFS) VTAC FROM FIX MAKE-UP.

ADDED DIST FROM FAC 10.72 NM TO FIX MAKE-UP FOR FAC1 LAS VEGAS(LAS) VTAC.

DELETED MRA FLAG FROM FIX RESTRICTIONS.

UPDATED V105 IN FIX USE.

ADDED IN REMARKS; LAS VEGAS (FAC 1) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY:

DATE: 08/07/2017

OFFICE: AJV-5410

NAME: VICTOR NASO (BARRY SMITH)

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5410

NAME: GEORGE DAVIS

SIGNATURE: **ALLAN WILL**

Oct 19, 2017

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ATC FACILITY: LAS ATCT

OTHER:

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RADIO FIX AND HOLDING DATA RECORD

NAME: LUCKY **STATE:** NV **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 360219.55N/1155045.09W **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 FAC NM	FAC FEET	MRA	MAA
1	LAS VEGAS	LAS	VORTAC	H	251.00	266.00	33.47	33.47		11000	17500
2	BEATTY	BTY	VORTAC	H	120.00	136.00	63.17	63.17		10500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BTY	VORTAC	R-120	64	10500	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	E	LAS	VORTAC	251.00	251.00	R	1-1 1/2	5	12000	17500	7	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TERRAIN	360900.00N/1153200.00W	7703	

REMARKS:

LAS VEGAS (FAC 1) AND BEATTY (FAC 2) USED TO ESTABLISH FIX COORDINATES
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V105	1, 2				

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 02/01/2018

REASON FOR REVISION:

ADDED DME 33.47 NM TO FAC 1 (LAS) IN FIX MAKE-UP.
ADDED FAC 1 (LAS) 33.47 NM AND FAC 2 (BTY) 63.17 NM TO DIST FROM FAC IN FIX MAKE-UP.
ADDED BEATTY (BTY) VTAC IN ESV. DELETED PREVIOUS REMARK IN ESV.
UPDATED FIX USE; V105 ADDED FAC1 AND FAC2.
CHANGED FAC 1 (LAS) MRA FROM 10500 TO 11000 IN FIX MAKE-UP.

DEVELOPED BY: **DATE:** 08/03/2017 **OFFICE:** AJV-5410 **NAME:** VICTOR NASO (BARRY SMITH)

APPROVED BY: **DATE:** **OFFICE:** AJV-5410 **NAME:** GEORGE DAVIS

Digitally signed by

SIGNATURE: **ALLAN WILL**

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OTHER:

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RADIO FIX AND HOLDING DATA RECORD

NAME: HIDDEN STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 360142.13N/1160036.60W 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	BEATTY	BTY	VORTAC	H	126.12	142.12	58.45	58.45		12000	17500
2	LAS VEGAS	LAS	VORTAC	H	251.00	266.00	41.49	41.49		14000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BTY	VORTAC	R-126	59	12000	17500
LAS	VORTAC	R-251	42	14000	17500

FIX RESTRICTIONS:

MRA V135 14000
 MCA V105 14000 EASTBOUND

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	310	200' AAO (310 KTS)	361620.00N/1154155.00W	12115	6A

REMARKS:

BEATTY (FAC 1) AND LAS VEGAS (FAC 2) USED TO ESTABLISH FIX COORDINATES
 UNPLANNED HOLDING FOR SPEED CATEGORIES UP TO AND INCLUDING 265 KTS AUTHORIZED AT OR ABOVE 13500', UNPLANNED
 HOLDING FOR 310 KTS AUTHORIZED AT OR ABOVE 14000'.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V105	1, 2				(US)
EN ROUTE	V135	1, 2				(US)

REQUIRED CHARTING: MILITARY IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

ADDED DME AND DIST FROM FAC 41.49 NM TO FAC2 LAS VEGAS(LAS) VTAC IN FIX MAKE-UP.
 ADDED DIST FROM FAC 58.45 NM TO FAC1 BEATTY(BTY) VTAC IN FIX MAKE-UP.
 ADDED FAC1 BEATTY (BTY) VTAC AND FAC2 LAS VEGAS (LAS) VTAC TO ESV.
 DELETED V105 AND ADDED V135 MRA 14000 IN FIX RESTRICTIONS.
 ADDED MCA V105 14000E TO FIX RESTRICTIONS.
 DELETED DP OASYS, RED ROCK, AND APHID FROM FIX USE.
 DELETED DP FROM CHARTING.

DEVELOPED BY: DATE: 08/02/2017 OFFICE: AJV-5410 NAME: VICTOR NASO (BARRY SMITH)

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: GEORGE DAVIS

Digitally signed by
 SIGNATURE: **ALLAN WILL**

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