

RADIO FIX AND HOLDING DATA RECORD

NAME: BUHLL

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355035.23N/1151456.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

IAP
STAR
STAR

USE TITLE

RNAV (GPS) RWY 1R
CHOWW (RNAV)
RKSTR (RNAV)

FAC PAT

AIRPORT IDENT

KLAS
KLAS
KLAS

CITY

LAS VEGAS
LAS VEGAS
LAS VEGAS

STATE

NV (US)
NV (US)
NV (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FELAA

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 361204.87N/1143849.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE

CHOWW (RNAV)
RKSTR (RNAV)

FAC

PAT

AIRPORT IDENT

KLAS
KLAS

CITY

LAS VEGAS
LAS VEGAS

STATE

NV (US)
NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

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OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

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DATE:

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NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: FLYES

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360433.54N/1144344.83W

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	FAC FEET	MRA	MAA
1	LAS VEGAS	I-LAS	LOC/DME		078.93	089.93	21.54	21.54		8000	12000
2	BOULDER CITY	BLD	VORTAC	H	038.67	053.67		6.87		8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-LAS	LOC/DME	R-079	20	8000	12000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LAS VEGAS (FAC 1) AND BOULDER CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES
FAC 1 DME COORD 360430.52N-1151019.16W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26R	1, 2		KLAS	LAS VEGAS	NV (US)
IAP	RNAV (RNP) RWY 26R			KLAS	LAS VEGAS	NV (US)
STAR	SITEE (RNAV)			KLAS	LAS VEGAS	NV (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

1. CHANGED FIX COORDS FROM 360433.84N/1144546.01W TO 360433.54N/1144344.83W - FIX MOVED 1.64 NM EAST; ATC REQUEST RETENTION OF FIX NAME
2. ADDED KLAS RNAV (RNP) RWY 26R TO FIX USE - NEW PROCEDURE FOR LAS METROPLEX
3. CHANGED FAC 1 MAG/TRUE BRG FROM 078.96/089.96 TO 078.93/089.93 AND CHANGED DME/DIST FROM FAC FROM 19.90 NM TO 21.54 NM - NEW FIX LOCATION
4. CHANGED FAC 2 MAG/TRUE BRG FROM 030.53/045.53 TO 038.67/053.67 - NEW FIX LOCATION

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: KELLIE BARNES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: LAS APP CON/ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: FOOOF

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360857.34N/1145015.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

CHOWW (RNAV)

RKSTR (RNAV)

FAC

PAT

AIRPORT IDENT

KLAS

KLAS

CITY

LAS VEGAS

LAS VEGAS

STATE

NV (US)

NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLA

ATC FACILITY: LAS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HUXLY

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355725.02N/1143126.48W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
RKSTR (RNAV)

FAC

PAT

AIRPORT IDENT
KLAS

CITY
LAS VEGAS

STATE
NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

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NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JAIDE

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354618.84N/1145636.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE
CHOWW (RNAV)
RKSTR (RNAV)

FAC PAT

AIRPORT IDENT CITY

KLAS LAS VEGAS
KLAS LAS VEGAS

STATE

NV (US)
NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: NNEON

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360759.50N/1145345.85W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE
CHOWW (RNAV)
RKSTR (RNAV)

FAC PAT

AIRPORT IDENT CITY

KLAS LAS VEGAS
KLAS LAS VEGAS

STATE

NV (US)
NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: PPENN

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360806.18N/1145557.97W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

USE TITLE

FAC PAT

AIRPORT IDENT CITY

STATE

IAP	RNAV (RNP) Z RWY 19L			KLAS	LAS VEGAS	
IAP	RNAV (RNP) Z RWY 19R			KLAS	LAS VEGAS	
STAR	CHOWW (RNAV)			KLAS	LAS VEGAS	
STAR	RKSTR (RNAV)			KLAS	LAS VEGAS	

NV (US)
NV (US)
NV (US)
NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: PRINO

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360423.60N/1144338.86W

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	FAC FEET	MRA	MAA
1	LAS VEGAS	I-RLE	LOC/DME		078.95	089.95	21.27	21.27		8000	20000
2	BOULDER CITY	BLD	VORTAC	H	039.95	054.95		8.09		8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RLE	LOC/DME	R-079	22	8000	20000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LAS VEGAS (FAC 1) AND BOULDER CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-RLE DME COORDINATES: 360422.25N/1150953.27W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26L	1, 2		KLAS	LAS VEGAS	NV (US)
IAP	RNAV (RNP) RWY 26L			KLAS	LAS VEGAS	NV (US)
STAR	CHOWW (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	KEPEC (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	RKSTR (RNAV)			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)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

1. ADDED KLAS RNAV (RNP) RWY 26L TO FIX USE - NEW PROCEDURE FOR LAS METROPLEX
2. ADDED KLAS CHOWW (RNAV) AND RKSTR (RNAV) STARS TO FIX USE - LAS METROPLEX

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: KELLIE BARNES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: LAS APP CON/ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TRREY

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355126.54N/1151740.79W

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	I-CUA	LOC/DME		193.91	204.91	16.03	16.04		7000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-CUA	LOC/DME	R-194	17	7000	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DME ANTENNA: 360601.73N/1150925.06W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1L	1		KLAS	LAS VEGAS	NV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

FAC 1, MAG BRG UPDATED FROM 189.91 TO 193.91 (MV UPDATED FROM 15E TO 11E)

ESV RADIAL UPDATED FROM 190 TO 194

FIX USE: REMOVED 'DME' FROM KLAS ILS OR LOC/DME RWY 1L

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/19/2017

OFFICE: AJV-5422

NAME: LUCAS MCCLOUD

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLA

ATC FACILITY: LAS APP CON/ATCT

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TUUTH

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354615.97N/1151150.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE
CHOWW (RNAV)
RKSTR (RNAV)

FAC PAT

AIRPORT IDENT CITY

KLAS LAS VEGAS
KLAS LAS VEGAS

STATE

NV (US)
NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: YAGGR

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355248.54N/1152131.70W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:
USE TYPE**

USE TITLE

FAC PAT

AIRPORT IDENT CITY

STATE

IAP	RNAV (RNP) RWY 8R			KLAS	LAS VEGAS
STAR	COKTL (RNAV)			KLAS	LAS VEGAS
STAR	JAYSN (RNAV)			KLAS	LAS VEGAS
STAR	RKSTR (RNAV)			KLAS	LAS VEGAS
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS

NV (US)
NV (US)
NV (US)
NV (US)
NV (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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