

RADIO FIX AND HOLDING DATA RECORD

NAME: BERBN

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355957.25N/1150050.72W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS Y OR LOC Y RWY 26L			KLAS	LAS VEGAS	NV (US)
IAP	ILS Y OR LOC Y RWY 26R			KLAS	LAS VEGAS	NV (US)
IAP	RNAV (RNP) RWY 26L			KLAS	LAS VEGAS	NV (US)
IAP	RNAV (RNP) RWY 26R			KLAS	LAS VEGAS	NV (US)
STAR	COKTL (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	JAYSN (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/05/2023

REASON FOR REVISION:

1. CHANGED ILS OR LOC RWY 26L/R TO ILS Y OR LOC Y RWY 26L/R AT KLAS IN FIX USE.
2. ADDED STAR RNDRZ (RNAV) AT KLAS IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: BUETY

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355426.59N/1152548.58W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR

USE TITLE
RNDZ (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: 02/25/2021

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: ENNVY

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360058.51N/1152114.95W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	BOULDER CITY	BLD	VORTAC	H	258.08	273.08	23.91	23.91		11000	45000

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PUMLE	1		KHND	LAS VEGAS	NV (US)
STAR	COKTL (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	JAYSN (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	PUMLE	1		KLAS	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/25/2021

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: GRMMA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354342.13N/1153320.39W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR

USE TITLE
RNDRZ (RNAV)

FAC

PAT

AIRPORT IDENT
KLAS

CITY
LAS VEGAS

STATE
NV (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/25/2021

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: JOTNU

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 341933.11N/1153146.29W

TYPE: WP, 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	GOFFS	GFS	VORTAC	L	185.00	200.00	51.30	51.30		12000	22000
2	TWENTYNINE PALMS	TNP	VORTAC	L	028.00	043.00	17.51	17.51		6600	42000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GFS	VORTAC	R-185	52	12000	22000
TNP	VORTAC	R-028	18	14500	42000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

GOFFS (FAC 1) AND TWENTYNINE PALMS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OYODA (RNAV)			KHND	LAS VEGAS	NV (US)
DP	MCCARRAN	2		KLAS	LAS VEGAS	NV (US)
DP	RADYR (RNAV)			KLAS	LAS VEGAS	NV (US)
EN ROUTE	V514	1, 2				(US)
EN ROUTE	V538	1, 2				(US)
STAR	CLOWD	2		KPSP	PALM SPRINGS	CA (US)
STAR	SBONO	2		KPSP	PALM SPRINGS	CA (US)
STAR	NTNDO (RNAV)			KHND	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	NTNDO (RNAV)			KVGT	LAS VEGAS	NV (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

FIX USE: DELETED CLARR, JOMIX, GRMMA AND KEPEC STARS AND BOACH (RNAV) DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: JOSEPH ZEDER

APPROVED BY:

DATE: 04/01/2021

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: MISEN

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 350608.46N/1162413.86W

TYPE: WP, 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	DAGGETT	DAG	VORTAC	L	030.66	045.66	12.00	12.00		24000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DAG	VORTAC	R-031	12	24000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	STHBY (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 (RNAV)			KVNY	VAN NUYS	CA (US)
EN ROUTE	J100	1				(US)
EN ROUTE	J146	1				(US)
EN ROUTE	J9	1				(US)
STAR	NTNDO (RNAV)			KHND	LAS VEGAS	NV (US)
STAR	GLRNO (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	MDERA (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	NTNDO (RNAV)			KVGT	LAS VEGAS	NV (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

ADDED KLAX STHBY (RNAV) SID TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: LORRI DOWNEY

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MIYKE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 351746.87N/1153522.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR

USE TITLE
RNDZ (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: 02/25/2021

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:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NEEDLES VORTAC

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344557.62N/1142826.78W

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	FEET	MRA	MAA
1	NEEDLES	EED	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	EED	VORTAC	076.78	256.78	R	1		6000	14000	5	10
2	NW	EED	VORTAC	318.89	138.89	R	1		4900	6000	5	5
3	SE	EED	VORTAC	154.59	334.59	R	1		6000	14000	5	10
4	E		WP	076.78	256.78	R		5	6000	14000	6	11
5	NW		WP	333.92	153.92	R		5	5000	14000	6	11
6	NW	EED	VORTAC	318.89	138.89	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	344839.00N/1141718.00W	2238	4E
1	310	AAO	345245.00N/1141311.90W	3830	4E
2	200	AAO	344127.00N/1143127.00W	2369	4E
2	310	AAO	350057.00N/1144457.00W	3688	4E
3	200	AAO	344103.00N/1143200.00W	2710	4E
4	200	AAO	345224.00N/1141724.00W	3478	4E
5	200	AAO	344103.00N/1143230.00W	2874	4E
5	310	AAO	345854.00N/1142430.00W	3370	4E
6	200	AAO	344145.00N/1143106.00W	2241	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	168
2	310	150
5	310	220
6	200	100

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TEXTUAL DEPARTURE	KHII	LAKE HAVASU CITY	AZ (US)
2	VOR-A	KHII	LAKE HAVASU CITY	AZ (US)
2	TEXTUAL DEPARTURE	KEED	NEEDLES	CA (US)
5	RNAV (GPS) RWY 14	KHII	LAKE HAVASU CITY	AZ (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 4 200 AIRSPEED HOLDING OBSTACLE LOCATED 1.97NM INTO SECONDARY AREA WITH A PRIMARY EQUIVALENT OF 2490 FEET.
PAT 6 IS A DUPLICATE OF PAT 2 BUT WITHOUT THE CLIMB-IN-HOLD, ALLOWING HOLDING AT 4000 AS CURRENTLY PUBLISHED ON THE KHII VOR-A.

EED VORTAC MAG VAR: 1965/E15.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXTUAL DEPARTURE			KIFP	BULLHEAD CITY	AZ (US)
DP	TEXTUAL DEPARTURE		1	KHII	LAKE HAVASU CITY	AZ (US)
DP	CHILY			KPHX	PHOENIX	AZ (US)
DP	JONHH			KSDL	SCOTTSDALE	AZ (US)
DP	TEXTUAL DEPARTURE		2	KEED	NEEDLES	CA (US)
EN ROUTE	J236					(US)
EN ROUTE	J6					(US)
EN ROUTE	J8					(US)
EN ROUTE	V12					(US)
EN ROUTE	V135					(US)
EN ROUTE	V208					(US)
EN ROUTE	V237					(US)
IAP	RNAV (GPS) RWY 16			KIFP	BULLHEAD CITY	AZ (US)
IAP	RNAV (GPS) RWY 34			KIFP	BULLHEAD CITY	AZ (US)
IAP	VOR RWY 34		3	KIFP	BULLHEAD CITY	AZ (US)
IAP	RNAV (GPS) RWY 14		5	KHII	LAKE HAVASU CITY	AZ (US)
IAP	VOR-A		2, 6	KHII	LAKE HAVASU CITY	AZ (US)
IAP	RNAV (GPS) RWY 29		4	KEED	NEEDLES	CA (US)
IAP	VOR-A		1	KEED	NEEDLES	CA (US)
STAR	JANNY (RNAV)			KBUR	BURBANK	CA (US)

STAR	GUERA (RNAV)	KCMA	CAMARILLO	CA (US)
STAR	DSNEE (RNAV)	KLGB	LONG BEACH	CA (US)
STAR	ROOBY (RNAV)	KLGB	LONG BEACH	CA (US)
STAR	BOGET (RNAV)	KLAX	LOS ANGELES	CA (US)
STAR	GUERA (RNAV)	KNTD	OXNARD	CA (US)
STAR	GUERA (RNAV)	KOXR	OXNARD	CA (US)
STAR	CLOWD	KPSP	PALM SPRINGS	CA (US)
STAR	SBONO	KPSP	PALM SPRINGS	CA (US)
STAR	BARET	KNZY	SAN DIEGO	CA (US)
STAR	BARET	KSAN	SAN DIEGO	CA (US)
STAR	DSNEE (RNAV)	KSNA	SANTA ANA	CA (US)
STAR	ROOBY (RNAV)	KSNA	SANTA ANA	CA (US)
STAR	BOGET (RNAV)	KSMO	SANTA MONICA	CA (US)
STAR	JANNY (RNAV)	KVNY	VAN NUYS	CA (US)
STAR	RNDRZ (RNAV)	KLAS	LAS VEGAS	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

PAT 5, CORRECTED MINIMUM HOLDING ALTITUDE FROM 6000 TO 5000 - TO MATCH WHAT IS PUBLISHED FOR THE HOLD-IN-LIEU ON THE KHII RNAV (GPS) RWY 14.

ADDED PAT 6.

ADDED RNDRZ (RNAV) STAR TO FIX USE.

REMOVED PALLY (RNAV) DEPARTURE FROM FIX USE.

FIX USE, CHANGED KHII VOR/DME-A TO VOR-A - PROCEDURE RENAMED.

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: PSP APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: REDQN

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360014.47N/1150627.81W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

COKTL (RNAV)
JAYSN (RNAV)
RNDZ (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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

MOVED LOCATION 629 FT NORTH FROM 360008.26N/1150628.33W TO 360014.47N/1150627.81W

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ROAMN

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354857.47N/1152021.90W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP ILS OR LOC RWY 1L
STAR COKTL (RNAV)
STAR JAYSN (RNAV)
STAR RNDRZ (RNAV)

KLAS LAS VEGAS
KLAS LAS VEGAS
KLAS LAS VEGAS
KLAS LAS VEGAS

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

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/25/2021

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: RUMLY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354135.88N/1153150.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR

USE TITLE
RNDRZ (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: 02/25/2021

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: SLOTS

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354510.45N/1152426.79W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM BAUMM TO SLOTS

FIX USE:

USE TYPE

STAR

STAR

STAR

USE TITLE

COKTL (RNAV)

JAYSN (RNAV)

RNDRZ (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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

NAME CHANGED FROM BAUMM TO HAYLO

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/11/2024:

NAME CHANGED FROM HAYLO TO SLOTS DUE TO SIMILAR SOUNDING FIX IN ZLA AIRSPACE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TEDDE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 351333.39N/1161438.54W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR

USE TITLE
RNDZ (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: 02/25/2021

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: TWAFL

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355958.01N/1150331.31W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

COKTL (RNAV)

KLAS

LAS VEGAS

NV (US)

STAR

JAYSN (RNAV)

KLAS

LAS VEGAS

NV (US)

STAR

RNDRZ (RNAV)

KLAS

LAS VEGAS

NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/25/2021

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SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLA

ATC FACILITY: LAS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TWENTYNINE PALMS VORTAC STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 340644.04N/1154611.66W 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	MAA
1	TWENTYNINE PALMS	TNP	VORTAC	L						45000

FIX RESTRICTIONS:

MCA V538 10200 NORTHEAST BOUND
 MCA V514 10200 NORTHEAST BOUND

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	TNP	VORTAC	075.35	255.35	L	1-1 1/2	4700 17500	5 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	340231.40N/1154046.80W	3600	6C
1	310	AAO	341323.80N/1154131.00W	4826	6C

REASON FOR NONSTANDARD HOLDING:

PAT 1 R-2501E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TEXTUAL DEPARTURE	KTNP	TWENTYNINE PALMS	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 ASSIGNED FACILITY MAG VAR: 15E/1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CATHEDRAL			KPSP	PALM SPRINGS	CA (US)
DP	MECCA			KTRM	PALM SPRINGS	CA (US)
DP	MISHN (RNAV)			KSBA	SANTA BARBARA	CA (US)
DP	TEXTUAL DEPARTURE		1	KTNP	TWENTYNINE PALMS	CA (US)
DP	MCCARRAN			KLAS	LAS VEGAS	NV (US)
EN ROUTE	J10					(US)
EN ROUTE	J104					(US)
EN ROUTE	J231					(US)
EN ROUTE	J4					(US)
EN ROUTE	V208					(US)
EN ROUTE	V264		1			(US)
EN ROUTE	V370					(US)
EN ROUTE	V514					(US)
EN ROUTE	V538					(US)
IAP	RNAV (GPS) RWY 26			KTNP	TWENTYNINE PALMS	CA (US)
IAP	VOR RWY 26		1	KTNP	TWENTYNINE PALMS	CA (US)
STAR	BASET			KLAX	LOS ANGELES	CA (US)
STAR	REDEYE			KLAX	LOS ANGELES	CA (US)
STAR	SEAVU			KLAX	LOS ANGELES	CA (US)
STAR	CLOWD			KPSP	PALM SPRINGS	CA (US)
STAR	SBONO			KPSP	PALM SPRINGS	CA (US)
STAR	BARET			KNZY	SAN DIEGO	CA (US)
STAR	BARET			KSAN	SAN DIEGO	CA (US)
STAR	JOMIX (RNAV)			KHND	LAS VEGAS	NV (US)
STAR	NTNDO (RNAV)			KHND	LAS VEGAS	NV (US)
STAR	GRMMA			KLAS	LAS VEGAS	NV (US)
STAR	LARKK			KLAS	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	NTNDO (RNAV)			KVGT	LAS VEGAS	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

FIX USE: ADDED GRMMA, NTNDO (RNAV) AND RNDZR (RNAV) STARS.
DELETED CLARR AND KEEPC STARS.
DELETED BOACH AND PALLY SIDS

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, PHX APP CON, PSP APP CON**OTHER:** ZAB

RADIO FIX AND HOLDING DATA RECORD

NAME: WATEV

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 351914.28N/1160651.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	217.28	037.28	R	10	13000	19000	15	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	352509.00N/1155648.00W	3993	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	300

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	RNDRZ (RNAV)		1	KLAS	LAS VEGAS	NV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/25/2021

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: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) RWY 8R			KLAS	LAS VEGAS	NV (US)
IAP	RNAV VISUAL RWY 8R			KLAS	LAS VEGAS	NV (US)
STAR	COKTL (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	JAYSN (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

REMOVED STAR RKSTR (RNAV) AT KLAS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZELMA **STATE:** CA **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 344659.99N/1151947.51W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 21-AWP-32 **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	GOFFS	GFS	VORTAC	L	185.00	200.00	22.17	22.17		7400	22000
2	NEEDLES	EED	VORTAC	H	256.65	271.65		42.31		8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GFS	VORTAC	R-185	23	18500	22000
EED	VORTAC	R-257	43	8000	15200

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

GOFFS (FAC 1) AND NEEDLES (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OYODA (RNAV)			KHND	HENDERSON	NV (US)
DP	RADYR (RNAV)			KLAS	LAS VEGAS	NV (US)
EN ROUTE	Q73					(US)
EN ROUTE	V514	1, 2				(US)
EN ROUTE	V538	1, 2				(US)
STAR	CLOWD	2		KPSP	PALM SPRINGS	CA (US)
STAR	SBONO	2		KPSP	PALM SPRINGS	CA (US)
STAR	NTNDO (RNAV)			KHND	LAS VEGAS	NV (US)
STAR	LARKK	1		KLAS	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			KLAS	LAS VEGAS	NV (US)
STAR	NTNDO (RNAV)			KVGT	LAS VEGAS	NV (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 07/14/2022

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET NUMBER 21-AWP-32.
2. FIX USE: ADDED Q73.
3. CHARTING: ADDED CONTROLLER HIGH AND ENROUTE HIGH.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** TARA MARTINELLI

APPROVED BY: **DATE:** 07/14/2022 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE: