

RADIO FIX AND HOLDING DATA RECORD

NAME: ANTLP

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344251.26N/1173029.82W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

ADDED HAYEZ (RNAV) DEPARTURE AT KVNY TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/03/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ARMY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 350348.00N/1164424.00W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. FIX USE: REMOVED DP OSHNN (RNAV) AT KLAX.
2. FIX USE: CHANGED SNSHN (RNAV) FROM IAP TO DP.
3. CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 03/04/2021

OFFICE: AJV-A431

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BBITE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344216.22N/1174530.87W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

ADDED THE HAYEZ (RNAV) DEPARTURE AT KVNY TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/05/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BLAZN

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 353755.21N/1154646.06W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. FIX USE: REMOVED DP OSHNN (RNAV) AT KLAX.
2. CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 03/04/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: COREZ

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 353324.00N/1192901.98W

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	AVENAL	AVE	VOR/DME	VH	086.46	102.46	24.80	24.80	4000	45000
2	GORMAN	GMN	VORTAC	VL	310.00	326.00	54.50	54.50	11000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GMN	VORTAC	R-310	55	11000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

AVENAL (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	VAN NUYS	1, 2		BUR	BURBANK	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GORMAN	1, 2		LAX	LOS ANGELES	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	WNNDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	POMONA	1, 2		ONT	ONTARIO	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CANOGA	1, 2		VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)
EN ROUTE	T259					(US)
EN ROUTE	V248	1				(US)
IAP	RNAV (GPS) RWY 12L			BFL	BAKERSFIELD	CA (US)
IAP	RNAV (GPS) RWY 12R			BFL	BAKERSFIELD	CA (US)
IAP	RNAV GPS RWY 33			DLO	DELANO	CA (US)
IAP	RNAV (GPS) RWY 12			MIT	SHAFTER	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

1. CHANGED KDLO GPS RWY 32 TO RNAV GPS RWY 33 IN FIX-USE - MAGVAR UPDATE FOR KDLO.
2. ADDED KVNY HAYEZ (RNAV) DEPARTURE TO FIX USE.
3. ADDED "CONTROLLER LOW" TO REQUIRED CHARTING.

5/6/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/7/24.

1. ADDED "CONTROLLER HIGH" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: JOSHUA LEETE

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CSTRO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 352652.66N/1191407.00W

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
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	WNNDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED "CONTROLLER" AND ADDED "CONTROLLER HIGH" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CTRUS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340023.18N/1184033.81W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
DP
DP

USE TITLE
CTRUS (RNAV)
SANTA MONICA (RNAV)

FAC

PAT

AIRPORT IDENT
SMO
SMO

CITY
SANTA MONICA
SANTA MONICA

STATE
CA (US)
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/22/2016

OFFICE: AJV-5430

NAME: SEAN BARBEE

APPROVED BY:

DATE: 01/03/2017

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: DARRK

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 335501.06N/1184957.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

DARRK (RNAV)
SUMMR (RNAV)
TRTON (RNAV)
CTRUS (RNAV)

FAC

PAT

AIRPORT IDENT

LAX
LAX
LAX
SMO

CITY

LOS ANGELES
LOS ANGELES
LOS ANGELES
SANTA MONICA

STATE

CA (US)
CA (US)
CA (US)
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

FIX USE: ADDED 'SUMMR (RNAV)'

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/30/2017

OFFICE: AJV-5422

NAME: LUCAS MCCLOUD

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: DZINE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340551.04N/1184020.14W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
DP
DP

USE TITLE
CTRUS (RNAV)
SANTA MONICA (RNAV)

FAC

PAT

AIRPORT IDENT
SMO
SMO

CITY
SANTA MONICA
SANTA MONICA

STATE
CA (US)
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/22/2016

OFFICE: AJV-5431

NAME: SEAN BARBEE

APPROVED BY:

DATE: 01/03/2017

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FIXIT

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 335828.00N/1185917.00W

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
DP	DARRK (RNAV)			LAX	LOS ANGELES	CA (US)
DP	KYLOW (RNAV)			LAX	LOS ANGELES	CA (US)
DP	MUELR (RNAV)			LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CITRUS (RNAV)			SMO	SANTA MONICA	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

ADDED KLAX KYLOW (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: GUNNR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 345237.00N/1165913.00W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. REMARKS: REMOVED NOTE - ATC COORDINATION FIX.
2. FIX USE: REMOVED DP OSHNN (RNAV) AT KLAX.
3. CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 03/04/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HAILO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 353814.00N/1155816.00W

TYPE: WP

AIRSPACE DOCKET: N

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
EN ROUTE	Q70					(US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: UPDATED "DP HAYEZ" TO "DP HAYEZ (RNAV)".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HECTOR VORTAC STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 344749.26N/1162746.52W 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	MAA
1	HECTOR	HEC	VORTAC	VH						45000

FIX RESTRICTIONS:

MCA V21 8200 NORTHEAST BOUND
 MCA V283 8200 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		WP	075.00	255.00	R		7	6100	14000	9	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	345221.70N/1161958.40W	4827	1C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	151

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PRIOR COORDINATION REQUIRED WITH ZLA FOR HOLDING OVER R-2501N.
 HOLDING PAT 1 ATC USE ONLY.
 ASSIGNED MAGVAR: 15E/1975.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EXCON (RNAV)			APV	APPLE VALLEY	CA (US)
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	VVERA (RNAV)			BUR	BURBANK	CA (US)
DP	DAGGETT			DAG	DAGGETT	CA (US)
DP	ANAHEIM			FUL	FULLERTON	CA (US)
DP	ANAHEIM			LGB	LONG BEACH	CA (US)
DP	ANAHEIM			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	SANTA MONICA (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	ROSCOE (RNAV)			VNY	VAN NUYS	CA (US)
DP	VVERA (RNAV)			VNY	VAN NUYS	CA (US)
DP	OYODA (RNAV)			HND	LAS VEGAS	NV (US)
DP	MCCARRAN			LAS	LAS VEGAS	NV (US)
DP	RADYR (RNAV)			LAS	LAS VEGAS	NV (US)
EN ROUTE	J107					(US)
EN ROUTE	J6					(US)
EN ROUTE	J60					(US)
EN ROUTE	J64					(US)
EN ROUTE	V12					(US)
EN ROUTE	V21					(US)
EN ROUTE	V210					(US)
EN ROUTE	V283					(US)
EN ROUTE	V442					(US)
EN ROUTE	V8					(US)
IAP	RNAV (GPS) RWY 22			DAG	DAGGETT	CA (US)
IAP	VOR OR TACAN RWY 22			DAG	DAGGETT	CA (US)
IAP	HI-TACAN Y RWY 25			PMD	PALMDALE	CA (US)
STAR	COYOT			PHX	PHOENIX	AZ (US)
STAR	LYNXX			BUR	BURBANK	CA (US)
STAR	ZIGGY			CNO	CHINO	CA (US)
STAR	ZIGGY			AJO	CORONA	CA (US)
STAR	ZIGGY			EMT	EL MONTE	CA (US)
STAR	EMMLN			FUL	FULLERTON	CA (US)
STAR	KAYOH			FUL	FULLERTON	CA (US)
STAR	EMMLN			HHR	HAWTHORNE	CA (US)
STAR	ZIGGY			POC	LA VERNE	CA (US)
STAR	EMMLN			LGB	LONG BEACH	CA (US)

STAR	KAYOH	LGB	LONG BEACH	CA (US)
STAR	EMMLN	SLI	LOS ALAMITOS	CA (US)
STAR	KAYOH	SLI	LOS ALAMITOS	CA (US)
STAR	BASET	LAX	LOS ANGELES	CA (US)
STAR	ZIGGY	ONT	ONTARIO	CA (US)
STAR	ZIGGY	RAL	RIVERSIDE	CA (US)
STAR	ZIGGY	SBD	SAN BERNARDINO	CA (US)
STAR	EMMLN	SNA	SANTA ANA	CA (US)
STAR	KAYOH	SNA	SANTA ANA	CA (US)
STAR	PITBL (RNAV)	SBA	SANTA BARBARA	CA (US)
STAR	KAYOH	TOA	TORRANCE	CA (US)
STAR	LYNXX	VNY	VAN NUYS	CA (US)
STAR	CRESO	LAS	LAS VEGAS	NV (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: 27

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED FAC CLASS FROM H TO VH.
2. FIX USE: CHANGED IAP NAME FROM HI-TACAN RWY 25 TO HI-TACAN Y RWY 25 AT KPMD.
3. FIX USE: REMOVED DP MAYSA (RNAV) AT AIRPORTS KCHD, KGEU, KGYR, KIWA, KPHX, AND KSDL.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RAYMOND JOHNSON

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HEYJO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344310.33N/1184353.04W

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
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	WNNDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

ADDED THE HAYEZ (RNAV) DEPARTURE AT KVNY TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/05/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: IKAYE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340835.00N/1190037.00W

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	LOS ANGELES	LAX	VORTAC	VH	278.72	293.72	31.43	31.45	5000	45000
2	VENTURA	VTU	VOR/DME	L	034.35	049.35	2.57	2.57	5000	18000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LOS ANGELES (FAC 1) AND VENTURA (FAC 2) USED TO ESTABLISH FIX COORDINATES.
FACILITY 1 AND 2 ADDED TO FIX MAKEUP PER ZLA REQUEST.
CHARTING ON ENROUTE LOW AND ENROUTE HIGH CHARTS PER ZLA REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PADRZ (RNAV)			CRQ	CARLSBAD	CA (US)
DP	HAWWC (RNAV)			FUL	FULLERTON	CA (US)
DP	HAWWC (RNAV)			LGB	LONG BEACH	CA (US)
DP	HAWWC (RNAV)			SLI	LOS ALAMITOS	CA (US)
DP	DARRK (RNAV)			LAX	LOS ANGELES	CA (US)
DP	MOOOS (RNAV)			LAX	LOS ANGELES	CA (US)
DP	MUELR (RNAV)			LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			LAX	LOS ANGELES	CA (US)
DP	PADRZ (RNAV)			RNM	RAMONA	CA (US)
DP	PADRZ (RNAV)			MYF	SAN DIEGO	CA (US)
DP	ECHHO (RNAV)			SAN	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			SAN	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			SDM	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			SEE	SAN DIEGO/EL CAJON	CA (US)
DP	HAWWC (RNAV)			SNA	SANTA ANA	CA (US)
DP	HHERO (RNAV)			SNA	SANTA ANA	CA (US)
DP	MISHN (RNAV)			SBA	SANTA BARBARA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAWWC (RNAV)			TOA	TORRANCE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

REMOVED FIX USE KLGB TOPMM (RNAV) SID.

10/7/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/30/2024.

1. FIX MAKE-UP FACILITIES: CHANGED FAC 1 CLASS FROM H TO VH AND DME FROM 31.45 TO 31.43.
2. FIX MAKE-UP FACILITIES: CHANGED FAC 2 BRG'S FROM 034.34/049.34 TO 034.35/049.35.
3. FIX USE: ADDED MISHN (RNAV) DP @ KSBA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: JETHK

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344129.87N/1175819.35W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (CTRUS)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

ADDED THE HAYEZ (RNAV) DEPARTURE AT KVNY TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/05/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

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: N **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	LAS VEGAS	LAS	VORTAC	VH							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 TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E	LAS	VORTAC	071.00	251.00	R	1		6000	17500	5	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	361003.00N/1150000.00W	3521	4E
1	310	AAO	361215.00N/1152530.00W	7054	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	360

HOLDING RESTRICTIONS:

PATTERN 1 310KT USE ABOVE 140 FOR MILITARY USE ONLY.
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	TAKEOFF MINIMUMS			HND	LAS VEGAS	NV (US)
DP	HOOVER			LAS	LAS VEGAS	NV (US)
DP	MCCARRAN			LAS	LAS VEGAS	NV (US)
DP	DREAM			LSV	LAS VEGAS	NV (US)
DP	MORMON MESA			LSV	LAS VEGAS	NV (US)
DP	BOULDER CITY (OBSTACLE)			VGT	LAS VEGAS	NV (US)
DP	NORTHTOWN			VGT	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 RWY 26L/R			LAS	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 12L			VGT	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 12L		1	VGT	LAS VEGAS	NV (US)
STAR	JOMIX (RNAV)			HND	LAS VEGAS	NV (US)
STAR	CRESO			LAS	LAS VEGAS	NV (US)
STAR	LARKK			LAS	LAS VEGAS	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED "IAP VOR/DME-A" AT KLAS.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

NAME: HENRY BRADSHAW**APPROVED BY:****DATE:** 09/24/2026**OFFICE:** AJV-A421**NAME:** TARA MARTINELLI**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: MDWAY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 345830.50N/1190349.98W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	WNNDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

1. CHANGED FIX NAME FROM KRAKR TO MDWAY.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/17/2017

OFFICE: AJV-5423

NAME: KEVIN KESZLER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL 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)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	OSHNN (RNAV)			LAX	LOS ANGELES	CA (US)
DP	STHBY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
EN ROUTE	J100	1				(US)
EN ROUTE	J146	1				(US)
EN ROUTE	J9	1				(US)
STAR	NTNDO (RNAV)			HND	LAS VEGAS	NV (US)
STAR	RNDRZ (RNAV)			LAS	LAS VEGAS	NV (US)
STAR	NTNDO (RNAV)			VGT	LAS VEGAS	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. FIX USE: REMOVED STARS GLRNO (RNAV) AND MDERA (RNAV) AT KLAS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: ZACHARY KRUEGER

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: NNAVY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 345510.68N/1164340.88W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	ZOOMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	GARDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	ORCKA (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	FINZZ (RNAV)			SNA	SANTA ANA	CA (US)
DP	HOBOW (RNAV)			SNA	SANTA ANA	CA (US)
DP	MISHN (RNAV)			SBA	SANTA BARBARA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. FIX USE: REMOVED DP OSHNN (RNAV) AT KLAX.
2. CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 03/04/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: OROSZ

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 342536.18N/1184027.01W

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
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	PADRZ (RNAV)			CRQ	CARLSBAD	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SKWRL (RNAV)			LAX	LOS ANGELES	CA (US)
DP	PADRZ (RNAV)			RNM	RAMONA	CA (US)
DP	PADRZ (RNAV)			MYF	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			SAN	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			SDM	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			SEE	SAN DIEGO/EL CAJON	CA (US)
DP	HHERO (RNAV)			SNA	SANTA ANA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

1. REMOVED PEEER (RNAV) DP FROM FIX USE.
2. REMOVED CASTA (RNAV) DP FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/25/2017

OFFICE: AJV-5422

NAME: JIMMY HUGHES

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: NTD APP CON
OTHER: SOCAL APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: RIZIN

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 342439.97N/1193157.04W

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
DP	DARRK (RNAV)			LAX	LOS ANGELES	CA (US)
DP	KYLOW (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SUMMR (RNAV)			LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

1. ADDED KYLOW (RNAV) SID TO FIX USE.
2. ADDED CONTROLLER HIGH TO REQUIRED CHARTING.

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: SCTRR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 353135.79N/1203454.69W

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
DP	DARRK (RNAV)			LAX	LOS ANGELES	CA (US)
DP	KYLOW (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SUMMR (RNAV)			LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
STAR	SILCN (RNAV)			SJC	SAN JOSE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

1. ADDED KYLOW (RNAV) SID TO FIX USE.
2. ADDED CONTROLLER HIGH TO REQUIRED CHARTING.

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: SEAEM

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 341430.89N/1182549.76W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
DP
DP

USE TITLE
CTRUS (RNAV)
SANTA MONICA (RNAV)

FAC

PAT

AIRPORT IDENT
SMO
SMO

CITY
SANTA MONICA
SANTA MONICA

STATE
CA (US)
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/22/2016

OFFICE: AJV-5431

NAME: SEAN BARBEE

APPROVED BY:

DATE: 01/03/2017

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SHORS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344743.61N/1185607.37W

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
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	WNNDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SNSHN (RNAV)			ONT	ONTARIO	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CITRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. ADDED FIX USE "DP OROSZ (RNAV) BUR BURBANK CA (US)".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: MATTHEW TOWNSEND

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SLAPP

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 342750.14N/1181954.07W

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	PALMDALE	PMD	VORTAC	H	218.00	233.00	16.64	16.64		11000	17500
2	LAKE HUGHES	LHS	VORTAC	H	122.13	137.13		17.88		7000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PALMDALE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	VAN NUYS	1, 2		BUR	BURBANK	CA (US)
DP	VVERA (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	SANTA MONICA (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	NEWHALL	1, 2		VNY	VAN NUYS	CA (US)
DP	ROSCOE (RNAV)			VNY	VAN NUYS	CA (US)
DP	VVERA (RNAV)			VNY	VAN NUYS	CA (US)
EN ROUTE	V-518	1, 2				(US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED DP VVERA (RNAV) AT KVNy TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: ZACHARY KRUEGER

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SPLNT

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 350515.00N/1202221.51W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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		WP	122.53	302.53	L	10	12000 18000	15 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	350103.00N/1200451.00W	3763	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	240

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PAT 1 10 DME LENGTH USED PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DARRK (RNAV)		1	LAX	LOS ANGELES	CA (US)
DP	KYLOW (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SUMMR (RNAV)		1	LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)		1	LAX	LOS ANGELES	CA (US)
DP	GAUCH (RNAV)			SBA	SANTA BARBARA	CA (US)
DP	CTRUS (RNAV)		1	SMO	SANTA MONICA	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. CHANGED HOLDING PAT 1 CONTROLLING OBSTRUCTION ELEVATION FROM "3563" TO "3763".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: STOKD

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 352900.57N/1204905.68W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX TO BE CHARTED AS STANDALONE ON SERFR (RNAV) AND WWAVS (RNAV) STARS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DARRK (RNAV)			LAX	LOS ANGELES	CA (US)
DP	KYLOW (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SUMMR (RNAV)			LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
STAR	SERFR (RNAV)			SFO	SAN FRANCISCO	CA (US)
STAR	WWAVS (RNAV)			SFO	SAN FRANCISCO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

REQUIRED CHARTING: CHANGED CHARTING TYPE FROM "CONTROLLER" TO "CONTROLLER HIGH."

01/10/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/21/24.

1. FIX USE: ADDED KYLOW (RNAV) SID AT KLAX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 03/21/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TESEA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 351018.91N/1201522.87W

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
DP	DARRK (RNAV)			LAX	LOS ANGELES	CA (US)
DP	KYLOW (RNAV)			LAX	LOS ANGELES	CA (US)
DP	SUMMR (RNAV)			LAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

ADDED KYLOW (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: TREKK

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340629.10N/1181959.90W

TYPE: WP

AIRSPACE DOCKET: N

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP

USE TITLE
SANTA MONICA (RNAV)
CHOII (RNAV)

FAC

PAT

AIRPORT IDENT
SMO
SMO

CITY
SANTA MONICA
SANTA MONICA

STATE
CA (US)
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED DP CITRUS (RNAV) AT SMO IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WOPPR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340258.00N/1184652.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
DP

USE TITLE
CTRUS (RNAV)

FAC

PAT

AIRPORT IDENT
SMO

CITY
SANTA MONICA

STATE
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/22/2016

OFFICE: AJV-5431

NAME: SEAN BARBEE

APPROVED BY:

DATE: 01/03/2017

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: WRASH

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340002.48N/1183512.63W

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

DP

CTRUS (RNAV)

SMO

SANTA MONICA

CA (US)

DP

PEVEE (RNAV)

SMO

SANTA MONICA

CA (US)

DP

SANTA MONICA (RNAV)

SMO

SANTA MONICA

CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/21/2016

OFFICE: AJV-5431

NAME: SEAN BARBEE

APPROVED BY:

DATE: 01/03/2017

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLA

ATC FACILITY: SOCAL APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: YAAPY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 343953.00N/1180750.00W

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
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

ADDED THE HAYEZ (RNAV) DEPARTURE AT KVNY TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/05/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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