

RADIO FIX AND HOLDING DATA RECORD

NAME: INISH STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334514.08N/1183228.76W 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	MRA	MAA
1	SEAL BEACH	SLI	VORTAC	L	251.00	266.00	24.40	24.40	3000	17500
2	LOS ANGELES	LAX	VORTAC	H	192.00	207.00	12.04	12.04	3000	45000

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	W		WP	251.00	071.00	R		4	3000	6000	5	6
2	W	SLI	VORTAC	251.00	071.00	R	1		3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	334654.94N/1183217.49W	213	2C
1	310	AAO	334539.00N/1182300.00W	1323	3E
2	200	SHIP	334654.94N/1183217.49W	213	2C

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 29R	TOA	TORRANCE	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SEAL BEACH (FAC 1) AND LOS ANGELES (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V8	1, 2				(US)
IAP	RNAV (GPS) RWY 7			HHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 7			HHR	HAWTHORNE	CA (US)
IAP	ILS OR LOC RWY 29R	1, 2	2	TOA	TORRANCE	CA (US)
IAP	RNAV (GPS) RWY 11 L			TOA	TORRANCE	CA (US)
IAP	RNAV (GPS) RWY 29R		1	TOA	TORRANCE	CA (US)

REQUIRED CHARTING: IAP, AREA, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

- FIX USE: ADDED IAP RNAV (GPS) RWY 7 KHR CA
- REQUIRED CHARTING: ADDED CONTROLLER LOW
- CONTROLLING OBSTRUCTIONS: REMOVED UPN AND ASSOCIATED HOLDING RESTRICTIONS

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: APRIL SARMENTO
APPROVED BY:	DATE: 11/03/2022	OFFICE: AJV-A430	NAME: CASIMIR TABAKA
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: JOHME

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334947.07N/1184000.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 7

FAC

PAT

AIRPORT IDENT
HHR

CITY
HAWTHORNE

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/03/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LIMBO STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334534.43N/1182700.73W 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	LOS ANGELES	LAX	VORTAC	H	170.00	185.00	10.44	10.44		3000	17500
2	SEAL BEACH	SLI	VORTAC	L	251.00	266.00	19.83	19.83		3000	17500
3	SANTA MONICA	SMO	VOR/DME	L	163.76	178.76	15.02	15.02		3000	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	W	SLI	VORTAC	251.00	071.00	R	1		3000	6000	5	6
2	S	SMO	VOR/DME	163.76	343.76	L	1		3000	6000	4	5
3	W		WP	251.00	071.00	R		4	3000	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	334637.94N/1182259.53W	1416	2A
2	200	AAO	334633.00N/1182303.00W	1401	4E
3	200	AAO	334630.29N/1182301.61W	1459	2C
3	310	AAO	334445.00N/1182012.00W	1670	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 SOCAL ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	RNAV (GPS) RWY 25	HHR	HAWTHORNE	CA (US)

REMARKS:

LOS ANGELES (FAC 1) AND SEAL BEACH (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS	1, 2		HHR	HAWTHORNE	CA (US)
DP	TAKE-OFF MINIMUMS	1, 2		TOA	TORRANCE	CA (US)
EN ROUTE	V64	1, 2, 3				(US)
EN ROUTE	V8	1, 2, 3				(US)
IAP	LOC RWY 25	1, 2	1	HHR	HAWTHORNE	CA (US)
IAP	LOC RWY 25 (ALT MISS)	3	2	HHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 7			HHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 25	1, 2	3	HHR	HAWTHORNE	CA (US)
IAP	VOR RWY 25	1, 2	1	HHR	HAWTHORNE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

1. CONTROLLING OBSTRUCTIONS: CHANGED PATTERN 3 200 AAO LAT/LONG/ELEVATION/ACCURACY CODE FROM "334637.94N/1182259.53W 1416 2A" TO "334630.29N/1182301.61W 1459 2C".
2. FIX USE: ADDED IAP RNAV (GPS) RWY 7 KHRH CA.

9/2/2022 THIS IS CORRECTED COPY OF THE FORM APPROVED ON 7/27/2022

1. CHANGED HOLDING PATTERN REQUIRING CLIMB-IN-HOLD FROM PAT 1 TO PAT 3
2. CHANGED FIX USE FOR IAP RNAV (GPS) RWY 25 AT KHRH FROM PAT 1 TO PAT 3

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: APRIL SARMENTO
APPROVED BY:	DATE: 11/03/2022	OFFICE: AJV-A430	NAME: CASIMIR TABAKA
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: MEANA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 335338.51N/1183256.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 7

FAC

PAT

AIRPORT IDENT
HHR

CITY
HAWTHORNE

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/03/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SEAL BEACH VORTAC

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334659.88N/1180317.13W

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	SEAL BEACH	SLI	VORTAC	VL						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	NE	SLI	VORTAC	058.00	238.00	L	1	2600 17500	4 16
2	SE	SLI	VORTAC	120.00	300.00	L	1	1500 17500	4 16
3	S	SLI	VORTAC	171.00	351.00	L	1	1800 17500	4 16
4	NE		WP	058.00	238.00	L		2600 12000	5 10
5	SE		WP	122.00	302.00	L		2600 14000	5 11
6	SE		WP	120.00	300.00	L		3000 14000	5 11
7	SE		WP	123.35	303.35	L		1400 1400	4 4
8	S		WP	171.00	351.00	L		4000 6000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BLDG (06-000442)	334652.00N/1175336.00W	475	1D
2	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
3	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
3	310	TOWER (06-020156)	335246.90N/1180050.10W	744	1A
4	200	BLDG (06-000442)	334652.00N/1175336.00W	475	1D
5	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
6	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
7	175	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
8	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
8	310	TOWER (06-020156)	335246.90N/1180050.10W	744	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST
PAT 4 ATC REQUEST
PAT 5 ATC REQUEST
PAT 6 ATC REQUEST
PAT 7 ATC REQUEST
PAT 8 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	TAKEOFF MINIMUMS	FUL	FULLERTON	CA (US)
3	TAKEOFF MINIMUMS	SNA	SANTA ANA	CA (US)
8	RNAV (GPS) RWY 7	HHR	HAWTHORNE	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 15E (1975).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	SUXYO (RNAV)			FUL	FULLERTON	CA (US)
SPECIAL DP	KUTEY (RNAV)			50CA	LONG BEACH	CA (US)
SPECIAL DP	AZPAD (RNAV)			14CA	NEWPORT BEACH	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 16		7	3CN4	ANAHEIM	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 25		7	50CA	LONG BEACH	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 17		7	14CA	NEWPORT BEACH	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 19		7	4CA5	ORANGE	CA (US)
DP	ELMOO			BUR	BURBANK	CA (US)
DP	CWARD (RNAV)			CRQ	CARLSBAD	CA (US)
DP	ANAHEIM			FUL	FULLERTON	CA (US)
DP	TAKEOFF MINIMUMS		3	FUL	FULLERTON	CA (US)
DP	ANAHEIM			LGB	LONG BEACH	CA (US)
DP	TAKEOFF MINIMUMS			LGB	LONG BEACH	CA (US)
DP	TAKEOFF MINIMUMS			SLI	LOS ALAMITOS	CA (US)
DP	CATALINA			LAX	LOS ANGELES	CA (US)
DP	LAXX			LAX	LOS ANGELES	CA (US)
DP	SEAL BEACH			LAX	LOS ANGELES	CA (US)
DP	SEBBY			LAX	LOS ANGELES	CA (US)

DP	TAKEOFF MINIMUMS		LAX	LOS ANGELES	CA (US)
DP	NIKKL		ONT	ONTARIO	CA (US)
DP	DOYLE		NTD	POINT MUGU	CA (US)
DP	CWARD (RNAV)		RNM	RAMONA	CA (US)
DP	CWARD (RNAV)		MYF	SAN DIEGO	CA (US)
DP	CWARD (RNAV)		SAN	SAN DIEGO	CA (US)
DP	ECHHO (RNAV)		SAN	SAN DIEGO	CA (US)
DP	FALCC		SAN	SAN DIEGO	CA (US)
DP	PEBLE		SAN	SAN DIEGO	CA (US)
DP	CWARD (RNAV)		SDM	SAN DIEGO	CA (US)
DP	CWARD (RNAV)		SEE	SAN DIEGO/EL CAJON	CA (US)
DP	ANAHEIM		SNA	SANTA ANA	CA (US)
DP	CHANNEL		SNA	SANTA ANA	CA (US)
DP	IRVINE		SNA	SANTA ANA	CA (US)
DP	MUSEL		SNA	SANTA ANA	CA (US)
DP	TAKEOFF MINIMUMS	3	SNA	SANTA ANA	CA (US)
DP	ADAMM		VNY	VAN NUYS	CA (US)
EN ROUTE	J134				(US)
EN ROUTE	J169				(US)
EN ROUTE	J78				(US)
EN ROUTE	T245				(US)
EN ROUTE	T247				(US)
EN ROUTE	T249				(US)
EN ROUTE	V165				(US)
EN ROUTE	V21				(US)
EN ROUTE	V23				(US)
EN ROUTE	V283				(US)
EN ROUTE	V372				(US)
EN ROUTE	V388				(US)
EN ROUTE	V394				(US)
EN ROUTE	V459				(US)
EN ROUTE	V597				(US)
EN ROUTE	V64				(US)
EN ROUTE	V8				(US)
IAP	VOR-A		EMT	EL MONTE	CA (US)
IAP	LOC/DME RWY 24	2	FUL	FULLERTON	CA (US)
IAP	RNAV (GPS) RWY 24	4	FUL	FULLERTON	CA (US)
IAP	VOR-A	1	FUL	FULLERTON	CA (US)
IAP	LOC RWY 25		HHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 7	8	HHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 25		HHR	HAWTHORNE	CA (US)
IAP	VOR RWY 25		HHR	HAWTHORNE	CA (US)
IAP	ILS RWY 26L		POC	LA VERNE	CA (US)
IAP	LOC RWY 26L		POC	LA VERNE	CA (US)
IAP	VOR OR GPS-A		POC	LA VERNE	CA (US)
IAP	ARSENAL VISUAL RWY 30		LGB	LONG BEACH	CA (US)
IAP	ILS OR LOC RWY 30		LGB	LONG BEACH	CA (US)
IAP	VOR OR TACAN RWY 22L		SLI	LOS ALAMITOS	CA (US)
IAP	ILS OR LOC RWY 25L		LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25R		LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 6L		LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 6R		LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 7L		LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 7R		LAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L (CAT II & III)		LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 9		RAL	RIVERSIDE	CA (US)
IAP	ILS OR LOC RWY 20R	2	SNA	SANTA ANA	CA (US)
IAP	ILS RWY 20R (SA CAT I)	2	SNA	SANTA ANA	CA (US)
IAP	LDA RWY 20R	2	SNA	SANTA ANA	CA (US)
IAP	LOC BC RWY 2L	2	SNA	SANTA ANA	CA (US)
IAP	RNAV (GPS) Y RWY 2L	5	SNA	SANTA ANA	CA (US)
IAP	RNAV (RNP) Z RWY 2L	5	SNA	SANTA ANA	CA (US)
IAP	ILS OR LOC RWY 29R		TOA	TORRANCE	CA (US)
IAP	RNAV (GPS) RWY 29R		TOA	TORRANCE	CA (US)
IAP	VOR RWY 11L		TOA	TORRANCE	CA (US)
STAR	FERNANDO		BUR	BURBANK	CA (US)
STAR	EMMLN		FUL	FULLERTON	CA (US)
STAR	KAYOH		FUL	FULLERTON	CA (US)
STAR	BAUBB (RNAV)	6	LGB	LONG BEACH	CA (US)
STAR	DSNEE (RNAV)	6	LGB	LONG BEACH	CA (US)
STAR	EMMLN		LGB	LONG BEACH	CA (US)
STAR	KAYOH		LGB	LONG BEACH	CA (US)
STAR	PCIFC (RNAV)	6	LGB	LONG BEACH	CA (US)
STAR	ROOBY (RNAV)	6	LGB	LONG BEACH	CA (US)
STAR	TANDY		LGB	LONG BEACH	CA (US)
STAR	EMMLN		SLI	LOS ALAMITOS	CA (US)
STAR	KAYOH		SLI	LOS ALAMITOS	CA (US)
STAR	TANDY		SLI	LOS ALAMITOS	CA (US)
STAR	BASET		LAX	LOS ANGELES	CA (US)
STAR	DIRBY (RNAV)		LAX	LOS ANGELES	CA (US)
STAR	GOATZ (RNAV)		LAX	LOS ANGELES	CA (US)
STAR	KIMMO		LAX	LOS ANGELES	CA (US)
STAR	LEENA		LAX	LOS ANGELES	CA (US)
STAR	OCEAN		LAX	LOS ANGELES	CA (US)
STAR	OLAAA (RNAV)		LAX	LOS ANGELES	CA (US)
STAR	VISTA		LAX	LOS ANGELES	CA (US)
STAR	DSNEE (RNAV)	6	SNA	SANTA ANA	CA (US)
STAR	EMMLN		SNA	SANTA ANA	CA (US)
STAR	KAYOH		SNA	SANTA ANA	CA (US)
STAR	ROOBY (RNAV)	6	SNA	SANTA ANA	CA (US)

STAR	TANDY	SNA	SANTA ANA	CA (US)
STAR	FERNANDO	SMO	SANTA MONICA	CA (US)
STAR	KIMMO	SMO	SANTA MONICA	CA (US)
STAR	KAYOH	TOA	TORRANCE	CA (US)
STAR	FERNANDO	VNY	VAN NUYS	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 38

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. FIX USE: ADDED STAR TANDY FOR AIRPORT KSLI.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TODD DAMRON

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TANDY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334447.67N/1183929.06W

TYPE: WP, RADAR, 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	SEAL BEACH	SLI	VORTAC	VL	251.00	266.00	30.26	30.26		3000	17500
2	FILLMORE	FIM	VORTAC	VL	148.00	163.00	38.20	38.20		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SEAL BEACH (FAC 1) AND FILLMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ZILLI (RNAV)			LAX	LOS ANGELES	CA (US)
EN ROUTE	V8	1, 2				(US)
IAP	RNAV (GPS) RWY 7			HHR	HAWTHORNE	CA (US)
STAR	LEGOZ (RNAV)			CRQ	CARLSBAD	CA (US)
STAR	PCIFC (RNAV)			LGB	LONG BEACH	CA (US)
STAR	TANDY	1, 2		LGB	LONG BEACH	CA (US)
STAR	TANDY	1, 2		SLI	LOS ALAMITOS	CA (US)
STAR	BASET	1, 2		LAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			NFG	OCEANSIDE	CA (US)
STAR	OHSEA (RNAV)			SNA	SANTA ANA	CA (US)
STAR	TANDY	1, 2		SNA	SANTA ANA	CA (US)
STAR	TANDY	1, 2		TOA	TORRANCE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. FIX USE: ADDED STAR TANDY FOR AIRPORTS KTOA AND KSLI.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TODD DAMRON

APPROVED BY:

DATE: 02/12/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WILMA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334616.17N/1181534.16W

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	MRA	MAA
1	LOS ANGELES	LAX	VORTAC	H	123.33	138.33	12.98	12.98	2300	17500
2	SEAL BEACH	SLI	VORTAC	L	251.00	266.00	10.27	10.27	2300	17500

FIX RESTRICTIONS:

MCA V8 2800 WESTBOUND
MCA V64 2800 WESTBOUND
WILMA (RNAV), 64CL, CARSON, CA
AIRSHIP RNAV (GPS) 338, 64CL, CARSON, CA

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	LAX	VORTAC	123.33	303.33	R	1	3000 6000	4 5
2	S		WP	157.57	337.57	R	4	2700 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	334451.00N/1182000.00W	1670	4E
1	310	AAO	334451.00N/1182000.00W	1670	4E
2	200	AAO	334451.00N/1181954.00W	1470	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 11L	TOA	TORRANCE	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 OBSTACLE PRIMARY EQUIVALENT 1057.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WILMA (RNAV)			64CL	CARSON	CA (US)
DP	ANAHEIM	1, 2		FUL	FULLERTON	CA (US)
DP	ANAHEIM	1, 2		LGB	LONG BEACH	CA (US)
DP	ANAHEIM	1, 2		SNA	SANTA ANA	CA (US)
EN ROUTE	V25	1, 2				(US)
EN ROUTE	V8-64	1, 2				(US)
IAP	AIRSHIP RNAV (GPS) 338		2	64CL	CARSON	CA (US)
IAP	VOR-A	2		FUL	FULLERTON	CA (US)
IAP	RNAV (GPS) RWY 7			HHR	HAWTHORNE	CA (US)
IAP	VOR RWY 11L	1, 2	1	TOA	TORRANCE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

1. FIX USE: ADDED IAP RNAV (GPS) RWY 7 KHR CA
2. REQUIRED CHARTING: ADDED CONTROLLER LOW

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEFER

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 335433.94N/1182908.09W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 7

FAC

PAT

AIRPORT IDENT
HHR

CITY
HAWTHORNE

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/03/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE: