

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
LAXX	NINE	LAXX9.SLI	EIGHT	02/04/2016	
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWYS 6L/R, 7L/R: CLIMB HEADING 071.00 FOR VECTORS TO SLI VORTAC, THENCE...

TAKEOFF RWYS 24L/R: CLIMB ON HEADING 251.00 TO CROSS SMO R-160 AT OR BELOW 3000, THEN ON RADAR VECTORS TO ASSIGNED ROUTE/FIX/TRANSITION, THENCE...

TAKEOFF RWYS 25L/R: CLIMB ON HEADING 251.00, AT THE SMO R-160 TURN LEFT HEADING 221.00, CROSS SMO R-160 AT OR BELOW 3000, EXPECT RADAR VECTORS TO ASSIGNED ROUTE/FIX/TRANSITION THENCE...

...ALL AIRCRAFT EXPECT FURTHER CLEARANCE TO FILED FLIGHT LEVEL FIVE MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
FICKY	LAXX9.FICKY	SLI VORTAC	SXC VORTAC	201.92 & 201.72 (SLI R-202 & SXC R-022)	30.54	4000		SLI AT/ABOVE 4000
		SXC VORTAC	GOATZ	213.00 (SXC R-213)	17.00	6000		
		GOATZ	MALIT	213.00 (SXC R-213)	63.00	12000		
		MALIT	ROSIN	213.00 (SXC R-213)	47.00	16000		
		ROSIN	FICKY	TRACK 236.47	61.91	16000		
IMPERIAL	LAXX9.IPL	SLI VORTAC	DANAH	120.30 (SLI R-120)	25.43	4000		SLI AT/ABOVE 4000
		DANAH	OCN VORTAC	120.66 (OCN R-301)	20.15	4000		
		OCN VORTAC	PILLO	105.20 (OCN R-105)	55.56	8500		
		PILLO	IPL VORTAC	075.85 & 077.78 (MZB R- 076 & IPL R-258)	48.59	8500		
MISSION BAY	LAXX9.MZB	SLI VORTAC	DANAH	120.30 (SLI R-120)	25.43	4000		SLI AT/ABOVE 4000
		DANAH	OCN VORTAC	120.66 (OCN R-301)	20.15	4000		
		OCN VORTAC	CARIF	145.48 (OCN R-145)	12.83	4000		
		CARIF	MZB VORTAC	145.59 (MZB R-326)	16.28	4000		

QUALITY
2
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

DP NAME			NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER		DATED	EFFECTIVE DATE
LAXX			NINE	LAXX9.SLI	EIGHT		02/04/2016	
THERMAL	LAXX9.TRM	SLI VORTAC	TUSTI	080.07 (SLI R-080)	10.97	3000	SLI AT/ABOVE 4000	
		TUSTI	HEMET	080.07 & 083.12 (SLI R-080 & TRM R-263)	48.12	11000	TUSTI AT/ABOVE 8000	
		HEMET	TRM VORTAC	083.12 (TRM R-263)	36.20	11000	HEMET AT/ABOVE 11000	
OCEANSIDE	LAXX9.OCN	SLI VORTAC	DANAH	120.30 (SLI R-120)	25.43	4000	SLI AT/ABOVE 4000	
		DANAH	OCN VORTAC	120.66 (OCN R-301)	20.15	4000		

PROCEDURAL DATA NOTES:

NOTE: THIS DEPARTURE IS FOR TURBOJET AIRCRAFT ONLY.
NOTE: RADAR AND DME REQUIRED.
NOTE: GPS REQUIRED FOR FICKY TRANSITION.

TAKEOFF MINIMUMS:

RWYS 6L/R: STANDARD
RWYS 7L/R: STANDARD
RWYS 24L/R: STANDARD
RWYS 25L/R: STANDARD

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 6L, RWY LT 8 FT FROM DER, 5 FT LEFT OF CENTERLINE, 1 FT AGL/120 FT MSL. VEHICLES ON RD BEGINNING 12 FT FROM DER, 171 FT LEFT OF CENTERLINE, UP TO 131 FT MSL. OL ON BLDG, BEGINNING 1762 FT FROM DER, 920 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/203 FT MSL. NOTE: RWY 6R, NAVAID 79 FT FROM DER, 321 FT LEFT OF CENTERLINE, 20 FT AGL/123 FT MSL. NAVAID 83 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 19 FT AGL/126 FT MSL. VEHICLE 112 FT FROM DER, 41 FT LEFT OF CENTERLINE, 15 FT AGL/129 FT MSL. POLE, LT POLE, BEGINNING 323 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/138 FT MSL. LT POLE, BEGINNING 528 FT FROM DER, 58 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/137 FT MSL. LT POLE 779 FT FROM DER, 1 FT RIGHT OF CENTERLINE, 35 FT AGL/142 FT MSL. POLE 792 FT FROM DER, 460 FT RIGHT OF CENTERLINE, 39 FT AGL/145 FT MSL. APP LT 797 FT FROM DER, 702 FT LEFT OF CENTERLINE, 39 FT AGL/148 FT MSL. APP LT, POLE, BEGINNING 797 FT FROM DER, 304 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/148 FT MSL. APP LT 1006 FT FROM DER, 702 FT LEFT OF CENTERLINE, 42 FT AGL/149 FT MSL. APP LT 1006 FT FROM DER, 696 FT LEFT OF CENTERLINE, 42 FT AGL/149 FT MSL. TREE 1057 FT FROM DER, 399 FT LEFT OF CENTERLINE, 41 FT AGL/150 FT MSL. TREES, BEGINNING 1160 FT FROM DER, 319 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/157 FT MSL. TREE 1374 FT FROM DER, 308 FT LEFT OF CENTERLINE, 47 FT AGL/159 FT MSL. TREE 1385 FT FROM DER, 316 FT LEFT OF CENTERLINE, 50 FT AGL/163 FT MSL. TREE 1699 FT FROM DER, 102 FT RIGHT OF CENTERLINE, 57 FT AGL/164 FT MSL.
NOTE: RWY 7L, FENCE, VEHICLES ON RD, BEGINNING 168 FT FROM DER, ON CENTERLINE, UP TO 15 FT AGL/107 FT MSL. RD 183 FT FROM DER, 480 FT LEFT OF CENTERLINE, 109 FT MSL. TWR, FENCE, VEHICLES ON RD, RR, POLE, BEGINNING 198 FT FROM DER, 24 FT LEFT OF CENTERLINE, UP TO 24 FT AGL/118 FT MSL. RR, VEHICLES ON RD, BEGINNING 309 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 117 FT MSL. RWY LT, POLE, VEHICLES ON RD, NAVAID, BEGINNING 444 FT FROM DER, ON CENTERLINE, UP TO 29 FT AGL/121 FT MSL. SIGN 495 FT FROM DER, 477 FT LEFT OF CENTERLINE, 32 FT AGL/124 FT MSL. SIGN, RD, LT POLE, VEHICLE, BEGINNING 508 FT FROM DER, 98 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/126 FT MSL. POLE, BLDG, RWY LT, BEGINNING 700 FT FROM DER, 53 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/152 FT MSL.
NOTE: RWY 7R, RWY LT 10 FT FROM DER, 5 FT RIGHT OF CENTERLINE, 2 FT AGL/99 FT MSL. RWY LT 10 FT FROM DER, 4 FT LEFT OF CENTERLINE, 2 FT AGL/99 FT MSL. BLDG 792 FT FROM DER, 702 FT RIGHT OF CENTERLINE, 37 FT AGL/130 FT MSL. TREE 1250 FT FROM DER, 747 FT RIGHT OF CENTERLINE, 129 FT AGL/155 FT MSL.
NOTE: RWY 24L, WSK 136 FT FROM DER, 299 FT RIGHT OF CENTERLINE, 21 FT AGL/128 FT MSL. TOWER 211 FT FROM DER, 298 FT RIGHT OF CENTERLINE, 66 FT AGL/151 FT MSL. TWR 212 FT FROM DER, 297 FT RIGHT OF CENTERLINE, 48 FT AGL/155 FT MSL. LT POLE 2025 FT FROM DER, 1003 FT LEFT OF CENTERLINE, 30 FT AGL/165 FT MSL. TOWER, POLE, BEGINNING 2036 FT FROM DER, 982 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/178 FT MSL.
NOTE: RWY 24R, WSK 136 FT FROM DER, 399 FT LEFT OF CENTERLINE, 21 FT AGL/128 FT MSL. TOWER 211 FT FROM DER, 400 FT LEFT OF CENTERLINE, 66 FT AGL/151 FT MSL. TWR 212 FT FROM DER, 401 FT LEFT OF CENTERLINE, 48 FT AGL/155 FT MSL.
NOTE: RWY 25L, GRD 11 FT FROM DER, 8 FT RIGHT OF CENTERLINE, 122 FT MSL. VEHICLES ON RD 34 FT FROM DER, 422 FT LEFT OF CENTERLINE, 15 FT AGL/130 FT MSL. POLE 2364 FT FROM DER, 767 FT LEFT OF CENTERLINE, 57 FT AGL/184 FT MSL. TREE, T-L TWR, BEGINNING 2487 FT FROM DER, 758 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/200 FT MSL.
NOTE: RWY 25R, VEHICLES ON RD 52 FT FROM DER, 489 FT RIGHT OF CENTERLINE, 15 FT AGL/132 FT MSL.

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
LAXX	NINE	LAXX9.SLI	EIGHT	02/04/2016	

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

RWYS 6L/R, 7L/R: IF NOT IN CONTACT WITH DEPARTURE CONTROL WITHIN FIVE MINUTES AFTER DEPARTURE, CLIMB TO FL230 OR FILED ALTITUDE WHICHEVER IS LOWER, TURN RIGHT DIRECT SLI VORTAC AND PROCEED ON ASSIGNED ROUTE. AIRCRAFT FILED FL240 OR ABOVE, MAINTAIN FL230 FOR FIVE MINUTES THEN CONTINUE CLIMB TO FILED ALTITUDE.
RWYS 24L/R, 25L/R: IF NOT IN CONTACT WITH DEPARTURE CONTROL WITHIN FIVE MINUTES AFTER DEPARTURE, TURN LEFT HEADING 080, CLIMB TO FL230 OR FILED ALTITUDE WHICHEVER IS LOWER, AND WHEN ABLE PROCEED DIRECT FILED OR ASSIGNED ROUTE. AIRCRAFT FILED FL240 OR ABOVE, MAINTAIN FL230 FOR FIVE MINUTES THEN CONTINUE CLIMB TO FILED ALTITUDE.

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KLAX 12E EPOCH YEAR: 2020.
CHART V64, J78-134-169 BETWEEN SLI VORTAC AND TUSTI AND BETWEEN HEMET AND TRM VORTAC.
CHART V23-165-597 BETWEEN DANAH AND OCN VORTAC.
CHART V23-363-597 BETWEEN CARIF AND MZB VORTAC.
CHART J2-18 AND V66-458 BETWEEN PILLO AND IPL VORTAC.
CHART V21 BETWEEN SLI VORTAC AND SXC VORTAC.
CHART: TOP ALTITUDE: ASSIGNED BY ATC.
CHART PLANVIEW NOTE: SOUTH COMPLEX TURN AT SMO R-160 TO 221 IS REQUIRED FOR ATC SEPARATION.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
LOS ANGELES INTL	LOS ANGELES	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, ATCT, SOCAL DEP CON

FIXES AND/OR NAVAIDS:

CHART LAX, POM, JLI VORTACS, ELB VOR/DME



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
LAXX	NINE	LAXX9.SLI	EIGHT	02/04/2016	

REMARKS:

LETTER OF APPROVAL AUTHORIZES USE OF 8926 FOOT TORA FOR ALL KLAX RUNWAY 6R DEPARTURES UNTIL 3/17/2017 OR UNTIL ALL PROCEDURES ARE AMENDED IN CONJUNCTION WITH RSA, PHASE 7 CONSTRUCTION.

WAIVER (1) ON FILE FOR DR LEG LONGER THAN 10 NM.

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

ROBERT GRIM

Digitally signed by

ROBERT GRIM

Jun 15, 2016

OFFICE SYMBOL:

DATE:

AJV-5431

05/19/2016

APPROVED BY:

LONNIE EVERHART

OFFICE SYMBOL:

DATE:

AJV-5430

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>ATA</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

LAX ATCT, SOCAL DEP CON, ZLA

CHANGES - REASONS:

1. DELETED CLIMB GRADIENTS RWY 12, 17, 30 - PER 8260.46F, PARA 2-2-1 E (2).
 2. DELETED REMARK: PREVIOUS ATC CLIMB GRADIENTS ESTABLISHED TO ENABLE MINIMUM CROSSING ALTITUDES OF 4000 AT SLI VORTAC AND 8000 AT TUSTI - PER 8260.46F, PARA 2-2-1 E (2).
 3. ADDED PLANVIEW NOTE: SOUTH COMPLEX TURN AT SMO R-160 TO 221 IS REQUIRED FOR ATC SEPARATION - PER IFP CHECKLIST AND ATC REQUEST.
 4. CHANGED DP ROUTE DESCRIPTION: RWYS 25L/R, FROM ...AT THE SMO R-160 TURN LEFT HEADING 221... TO ...AT THE SMO R-160 TURN LEFT HEADING 235... - PER IFP CHECKLIST AND ATC REQUEST.
 5. CHANGED LOSS COMMUNICATION: RWYS 24L/R, 25L/R ...IF NOT IN CONTACT WITH DEPARTURE CONTROL BY 15 DME WEST... TO ...IF NOT IN CONTACT WITH DEPARTURE CONTROL WITHIN FIVE MINUTES AFTER DEPARTURE... RWYS 6L/R, 7L/R ...IF NOT IN CONTACT WITH DEPARTURE CONTROL BY 17 DME EAST... TO ...IF NOT IN CONTACT WITH DEPARTURE CONTROL WITHIN FIVE MINUTES AFTER DEPARTURE... - PER IFP CHECKLIST AND ATC REQUEST.
 6. DELETED LAX 15 DME (WEST) AND 17 DME (EAST) LINE FROM SID - PER IFP CHECKLIST AND ATC REQUEST.
 7. UPDATED TAKEOFF OBSTACLE NOTES - RWY 6R-24L RSA PROJECT MOVED RWY THLD. CONTROLLING OBSTACLE (BLDG 306 MSL 335649.79N/1182258.00W) REQUIRING CEILING AND VIS NO LONGER IN ICA..
 8. DELETED CEILING AND VIS MINIMUM RWY 6R - RWY 6R-24L RSA PROJECT MOVED RWY THLD. CONTROLLING OBSTACLE (BLDG 306 MSL 335649.79N/1182258.00W) REQUIRING CEILING AND VIS NO LONGER IN ICA..
 9. DELETED CONTROLLING OBSTACLE RWY 6R - RWY 6R-24L RSA PROJECT MOVED RWY THLD. CONTROLLING OBSTACLE (BLDG 306 MSL 335649.79N/1182258.00W) REQUIRING CEILING AND VIS NO LONGER IN ICA..
- 08/24/16: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/19/16.
1. CHANGED DP ROUTE DESCRIPTION RWY 25 L/R FROM CLIMB ON HEADING 251.00 TO CROSS SMO R-160 AT OR BELOW 3000, THEN TURN LEFT HEADING 235.00. EXPECT RADAR VECTORS TO ASSIGNED ROUTE/FIX/TRANSITION THENCE... TO TAKEOFF RWYS 25L/R: CLIMB ON HEADING 251.00, AT THE SMO R-160 TURN LEFT HEADING 221.00, CROSS SMO R-160 AT OR BELOW 3000, EXPECT RADAR VECTORS TO ASSIGNED ROUTE/FIX/TRANSITION THENCE...

09/28/16: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/19/16.

1. CHANGED TURN HEADING FROM 235 TO 221 IN ADDITIONAL FLIGHT DATA BLOCK.

QUALITY
2
CHECKED