

**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SUPERSEDED NUMBER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>
FIXIT	FIVE	FIXIT5.FIXIT	FOUR	03/02/2017	08/17/2017
<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"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 24L:** CLIMB HEADING 251.00 TO 640, THEN CLIMB DIRECT TO CROSS DLREY AT BELOW 3000, THEN ON TRACK 255.95 TO CROSS ENNEY AT OR ABOVE 1600 AND AT OR BELOW 5000, THEN ON DEPICTED ROUTE TO CROSS FIXIT AT OR ABOVE 12000 AND AT OR BELOW 290 KIAS, THENCE...

**TAKEOFF RWY 24R:** CLIMB HEADING 251.00 TO 640, THEN CLIMB DIRECT TO CROSS FABRA AT OR BELOW 3000, THEN ON TRACK 252.68 TO CROSS ENNEY AT OR ABOVE 1600 AND AT OR BELOW 5000, THEN ON DEPICTED ROUTE TO CROSS FIXIT AT OR ABOVE 12000 AND AT OR BELOW 290 KIAS, THENCE...

**TAKEOFF RWY 25L:** CLIMB HEADING 251.01 TO 640, THEN CLIMB DIRECT TO CROSS HIIPR AT OR BELOW 3000, THEN ON TRACK 255.75 TO CROSS EVOSE AT OR ABOVE 1600 AND AT OR BELOW 5000, THEN ON DEPICTED ROUTE TO CROSS FIXIT AT OR ABOVE 12000 AND AT OR BELOW 290 KIAS, THENCE...

**TAKEOFF RWY 25R:** CLIMB HEADING 251.01 TO 640, THEN CLIMB DIRECT TO CROSS DOCKR AT OR BELOW 3000, THEN ON TRACK 252.35 TO CROSS EVOSE AT OR ABOVE 1600 AND AT OR BELOW 5000, THEN ON DEPICTED ROUTE TO CROSS FIXIT AT OR ABOVE 12000 AND AT OR BELOW 290 KIAS, THENCE...

ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 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>
CEBAD	FIXIT5.CEBAD	FIXIT	IKAYE	TRACK 341.75	10.16	8000		
			SCHOR	TRACK 288.49	19.99	8000		
			LECIN	TRACK 251.46	23.36	15000		
			ZUPOL	TRACK 250.85	31.06	17000		
			MCPHR	TRACK 239.14	13.64	17000		
			CEBAD	TRACK 236.47	47.36	17000		
SAN MARCUS	FIXIT5.RZS	FIXIT	IKAYE	TRACK 341.75	10.16	8000		
			SCHOR	TRACK 288.49	19.99	8000		
			RZS VORTAC	TRACK 288.05	23.72	8000		

QUALITY  
3  
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**PROCEDURAL DATA NOTES:****NOTE:** DME/DME/IRU OR GPS REQUIRED.**NOTE:** RNAV 1.**NOTE:** RADAR REQUIRED.**NOTE:** TURBOJETS ONLY.**NOTE:** MAINTAIN AT OR BELOW 250 KNOTS UNLESS OTHERWISE DIRECTED BY ATC.**TAKEOFF MINIMUMS:****RWY 6L, 6R, 7L, 7R:** NA - ATC.**RWY 24L, 24R, 25L, 25R:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 640.**TAKEOFF OBSTACLES NOTES:****NOTE: RWY 24L,** VEHICLES ON ROAD 1927 FT FROM DER, 1010 FT RIGHT OF CENTERLINE, 163 FT MSL. LIGHT POLE 2163 FT FROM DER, 915 FT RIGHT OF CENTERLINE, 32 FT AGL/169 FT MSL.**NOTE: RWY 24R,** WINDSOCK 137 FT FROM DER, 400 FT LEFT OF CENTERLINE, 21 FT AGL/128 FT MSL. TOWER 211 FT FROM DER, 401 FT LEFT OF CENTERLINE, 66 FT AGL/151 FT MSL. TOWER 212 FT FROM DER, 402 FT LEFT OF CENTERLINE, 47 FT AGL/154 FT MSL.**NOTE: RWY 25L,** VEHICLES ON ROAD 35 FT FROM DER, 422 FT LEFT OF CENTERLINE, 130 FT MSL. POLE 2365 FT FROM DER, 766 FT LEFT OF CENTERLINE, 57 FT AGL/184 FT MSL. TREE AND TRANSMISSION TOWER BEGINNING 2488 FT FROM DER, 757 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/200 FT MSL.**NOTE: RWY 25R,** BUILDING 74 FT FROM DER, 364 FT LEFT OF CENTERLINE, 27 FT AGL/135 FT MSL. TREE 2959 FT FROM DER, 569 FT LEFT OF CENTERLINE, 7 FT AGL/189 FT MSL. POLE AND ANTENNA BEGINNING 3073 FT FROM DER, 212 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/203 FT MSL.**CONTROLLING OBSTACLES:****LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KLAX 12E EPOCH YR: 2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

**CHART:** TOP ALTITUDE: ASSIGNED BY ATC.**CHART SPEED ICON:** MAXIMUM SPEED 290 KIAS AT FIXIT.**AIRPORTS SERVED:**

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

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON (N/S/W), TWR (N/S), SOCAL APP CON (045-224) / (225-044)

**FIXES AND/OR NAVAIDS:**

NAANC, MUELR, MKGEE, DINTY.

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FIXIT	FIVE	FIXIT5.FIXIT	FOUR	03/02/2017	08/17/2017

**REMARKS:**

1. ABBREVIATED AMENDMENT. FLIGHT INSPECTION MAPS AND RNAV PRO RUNS RETAINED FROM FIXIT FOUR.
2. DINTY CHARTED AS STAND-ALONE WAYPOINT PER ATC REQUEST.
3. MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER.

**FLIGHT INSPECTED BY:**

THOMAS E MOLOKIE  
*Digitally signed by*  
**DONALD H LANIER**

Jan 23, 2017

**OFFICE SYMBOL:**

FICO

**DATE:**

01/26/2017

**DEVELOPED BY:**

PETER GUIMOND  
*Digitally signed by*  
**PETER R GUIMOND**  
Dec 12, 2016

**OFFICE SYMBOL:**

AJV-5422

**DATE:**

12/12/2016

**APPROVED BY:**

JULIE MORGAN  
*Digitally signed by*  
**DONALD H LANIER**  
Jan 23, 2017

**OFFICE SYMBOL:**

AJV-5420

**DATE:****REQUIRED EFFECTIVE DATE:**

08/17/2017

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZLA, LAX ATCT, SOCAL APP CON

**CHANGES - REASONS:**

1. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 24L, 24R, 25L, 25R - NEW OBSTACLE STUDY USING CURRENT AIRNAV RUNWAY AND OBSTACLE DATA.
2. AMENDED RWY 24L DP ROUTE DESCRIPTION FROM "CLIMB ON HEADING 251.00 TO 640, THEN DIRECT TO CROSS DLREY AT OR ABOVE 820, AT OR BELOW 3000..." TO READ CLIMB HEADING 251.00 TO 640, THEN CLIMB DIRECT TO CROSS DLREY AT OR BELOW 3000...." - STANDARDIZE VERBIAGE AND CROSSING RESTRICTION AT DLREY WITH OTHER RNAV SIDS AT AIRPORT.
3. AMENDED RWY 24R DP ROUTE DESCRIPTION FROM "CLIMB ON HEADING 251.00 TO 640, THEN DIRECT TO CROSS FABRA AT OR ABOVE 900, AT OR BELOW 3000..." TO READ CLIMB HEADING 251.00 TO 640, THEN CLIMB DIRECT TO CROSS FABRA AT OR BELOW 3000...." - STANDARDIZE VERBIAGE AND CROSSING RESTRICTION AT FABRA WITH OTHER RNAV SIDS AT AIRPORT.
4. AMENDED RWY 25L DP ROUTE DESCRIPTION FROM "CLIMB ON HEADING 251.01 TO 640, THEN DIRECT TO CROSS HIIPR AT OR ABOVE 820, AT OR BELOW 3000..." TO READ CLIMB HEADING 251.01 TO 640, THEN CLIMB DIRECT TO CROSS HIIPR AT OR BELOW 3000...." - STANDARDIZE VERBIAGE AND CROSSING RESTRICTION AT HIIPR WITH OTHER RNAV SIDS AT AIRPORT.
5. AMENDED RWY 25R DP ROUTE DESCRIPTION FROM "CLIMB ON HEADING 251.01 TO 640, THEN DIRECT TO CROSS DOCKR AT OR ABOVE 840, AT OR BELOW 3000..." TO READ CLIMB HEADING 251.01 TO 640, THEN CLIMB DIRECT TO CROSS DOCKR AT OR BELOW 3000...." - STANDARDIZE VERBIAGE AND CROSSING RESTRICTION AT DOCKR WITH OTHER RNAV SIDS AT AIRPORT.
6. ADDED MAINTAIN ATC ASSIGNED ALTITUDE TO THENCE INSTRUCTIONS IN DEPARTURE ROUTE DESCRIPTION - MATCH TOP ALTITUDE IN ACCORDANCE WITH FAAO 8260.46F.
7. REMOVED MOCA(S) FROM ENROUTE TRANSITIONS - STANDARDIZE DOCUMENTATION WITH OTHER SIDS AT AIRPORT.
8. REMOVED DO NOT CHART MOCA(S) FROM ADDITIONAL FLIGHT DATA AND MOVED IT TO REMARKS - STANDARDIZE DOCUMENTATION WITH OTHER SIDS AT AIRPORT.

**FEDERAL AVIATION ADMINISTRATION  
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
FIXIT							FIVE	FIXIT5.FIXIT	FOUR	03/02/2017	08/17/2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW24L (AER)*	335700.70N/1182406.01W*	N	-	-	-	-				*DISPL THLD (802 FT)	
640 MSL		-	-	VA	263.00	-				CG 500 FT/NM TO 640	
DLREY	335637.25N/1182754.53W	Y	FB	DF	-	-	AT/BELOW 3000				
ENNEY	335632.86N/1183020.84W	Y	FB	TF	267.95	2.03	1600B5000				
NAANC	335554.00N/1183838.00W	Y	FB	TF	264.68	6.92					
MUELRL	335452.00N/1185158.00W	Y	FB	TF	264.75	11.14					
FIXIT	335828.00N/1185917.00W	Y	FB	TF	300.59	7.07	AT/ABOVE 12000	AT/BELOW 290K			
RW24R (AER)	335707.57N/1182407.02W	N	-	-	-	-					
640 MSL		-	-	VA	263.00	-				CG 500 FT/NM TO 640	
FABRA	335644.30N/1182753.85W	Y	FB	DF	-	-	AT/BELOW 3000				
ENNEY	335632.86N/1183020.84W	Y	FB	TF	264.68	2.05	1600B5000				
NAANC	335554.00N/1183838.00W	Y	FB	TF	264.68	6.92					
MUELRL	335452.00N/1185158.00W	Y	FB	TF	264.75	11.14					
FIXIT	335828.00N/1185917.00W	Y	FB	TF	300.59	7.07	AT/ABOVE 12000	AT/BELOW 290K			
RW25L (AER)	335614.51N/1182257.77W	N	-	-	-	-					
640 MSL		-	-	VA	263.01	-				CG 500 FT/NM TO 640	
HIIPR	335547.45N/1182721.59W	Y	FB	DF	-	-	AT/BELOW 3000				
EVOSE	335542.26N/1182959.03W	Y	FB	TF	267.75	2.19	1600B5000				
MKGEE	335504.00N/1183741.00W	Y	FB	TF	264.36	6.44					
MUELRL	335452.00N/1185158.00W	Y	FB	TF	269.10	11.89					

QUALITY

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FIXIT							FIVE	FIXIT5.FIXIT	FOUR	03/02/2017	08/17/2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
FIXIT	335828.00N/1185917.00W	Y	FB	TF	300.59	7.07	AT/ABOVE 12000	AT/BELOW 290K			
RW25R (AER)*	335622.41N/1182258.47W*	N	-	-	-	-				*DISPL THLD (957 FT)	
640 MSL		-	-	VA	263.01	-				CG 500 FT/NM TO 640	
DOCKR	335554.64N/1182729.17W	Y	FB	DF	-	-	AT/BELOW 3000				
EVOSE	335542.26N/1182959.03W	Y	FB	TF	264.35	2.09	1600B5000				
MKGEE	335504.00N/1183741.00W	Y	FB	TF	264.36	6.44					
MUELR	335452.00N/1185158.00W	Y	FB	TF	269.10	11.89					
FIXIT	335828.00N/1185917.00W	Y	FB	TF	300.59	7.07	AT/ABOVE 12000	AT/BELOW 290K			
FIXIT	335828.00N/1185917.00W	Y	-	IF	-	-	AT/ABOVE 12000	AT/BELOW 290K	FIXIT5.CEBAD		
IKAYE	340835.00N/1190037.00W	Y	FB	TF	353.75	10.16					
SCHOR	341843.00N/1192125.00W	Y	FB	TF	300.49	19.99					
LECIN	341600.00N/1194925.00W	Y	FB	TF	263.46	23.36					
ZUPOL	341202.00N/1202634.00W	Y	FB	TF	262.85	31.06					
MCPHR	340736.00N/1204207.00W	Y	FB	TF	251.14	13.64					
CEBAD	335000.00N/1213500.00W	Y	FB	TF	248.47	47.36					
FIXIT	335828.00N/1185917.00W	Y	-	IF	-	-	AT/ABOVE 12000	AT/BELOW 290K	FIXIT5.RZS		
IKAYE	340835.00N/1190037.00W	Y	FB	TF	353.75	10.16					
SCHOR	341843.00N/1192125.00W	Y	FB	TF	300.49	19.99					
RZS VORTAC	343034.32N/1194615.57W	Y	FB	TF	300.05	23.72					

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