

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
ZOOMM	THREE	ZOOMM3.ZOOMM	TWO	07/19/2018	21MAY2020

<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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 12: CLIMB ON HEADING 120.72 TO 600, THEN ON HEADING 120.73 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS CAHIL AT OR ABOVE 15000, THEN ON TRACK 023.26 TO CROSS ZOOMM AT OR ABOVE 16000, THENCE...

TAKEOFF RWY 26R: CLIMB ON HEADING 256.20 TO 580, THEN ON HEADING 180.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS CAHIL AT OR ABOVE 15000, THEN ON TRACK 023.26 TO CROSS ZOOMM AT OR ABOVE 16000, THENCE...

TAKEOFF RWY 30: CLIMB ON HEADING 300.73 TO 1500, THEN LEFT TURN HEADING 180.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS CAHIL AT OR ABOVE 15000, THEN ON TRACK 023.26 TO CROSS ZOOMM AT OR ABOVE 16000, THENCE...

...ON (TRANSITION) TURBOJETS MAINTAIN 17000, EXPECT FILED ALTITUDE 10 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>
BEALE	ZOOMM3.BEALE	ZOOMM	SEBBY	TRACK 023.29	10.32	12000	3700	
			PLAYY	TRACK 036.91	20.00	15000	13000	
			ARCUS	TRACK 037.09	23.11	15000	7700	
			YELAH	TRACK 036.25	29.36	15000	8500	
			WYZEE	TRACK 033.70	75.41	15000	9900	
			BEALE	TRACK 034.36	44.03	15000	8600	
HAILO	ZOOMM3.HAILO	ZOOMM	SEBBY	TRACK 023.29	10.32	12000	3700	
			PLAYY	TRACK 036.91	20.00	15000	13000	
			GUNNR	TRACK 020.26	41.89	15000	8900	
			ARMY	TRACK 033.41	16.52	15000	7400	
			HAILO	TRACK 033.44	51.05	15000	7400	



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ZOOMM	THREE	ZOOMM3.ZOOMM	TWO	07/19/2018	21MAY2020
LAS VEGAS	ZOOMM3.LAS	ZOOMM	SEBBY	TRACK 023.29	10.32 12000 3700
			PLAYY	TRACK 036.91	20.00 15000 13000
			NNAVY	TRACK 030.29	52.05 15000 8700
			BLAZN	TRACK 033.24	63.19 15000 6700
			LAS VORTAC	TRACK 034.23	40.41 15000 10800
MISEN	ZOOMM3.MISEN	ZOOMM	SEBBY	TRACK 023.29	10.32 12000 3700
			PLAYY	TRACK 036.91	20.00 15000 13000
			ARCUS	TRACK 037.09	23.11 15000 7700
			YELAH	TRACK 036.25	29.36 15000 8500
			MISEN	TRACK 024.55	19.03 15000 5300
NNAVY	ZOOMM3.NNAVY	ZOOMM	SEBBY	TRACK 023.29	10.32 12000 3700
			PLAYY	TRACK 036.91	20.00 15000 13000
			NNAVY	TRACK 030.29	52.05 15000 8700

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET ONLY.

NOTE: MISEN TRANSITION RESTRICTED TO AIRCRAFT LANDING LAS TERMINAL AREA.

NOTE: HAILO / LAS / NNAVY TRANSITIONS ATC ONLY.

TAKEOFF MINIMUMS:

RWY 8L, 8R, 26L: NA-ATC.

RWY 12, 30: STANDARD.

RWY 26R: STANDARD WITH A MINIMUM CLIMB OF 230 FEET PER NM TO 1600.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KLGB 14E EPOCH YR: 1980

DME/DME ASSESSMENT SAT: RNP (2.0)



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ZOOMM	THREE	ZOOMM3.ZOOMM	TWO	07/19/2018	21MAY2020

CHART: MINIMUM CROSSING ALTITUDE AT CAHIL - 15000.
CHART: TOP ALTITUDE: (TURBOJETS) 17000.
 DO NOT CHART MOCA(S).

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
LONG BEACH /DAUGHERTY FIELD/ (KLGB)	KLGB	LONG BEACH	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, SOCAL DEP CON

FIXES AND/OR NAVAIDS:

REMARKS:

1. RWY 26R CLIMB GRADIENT CLIMB GRADIENT PUBLISHED TO MATCH DIVERSE VECTOR AREA (DVA), AMDT 2 AT AIRPORT.
2. MOCA(S) NOT CHARTED PER ATC REQUEST.
3. ABBREVIATED AMENDMENT, DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION
 REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by
DAVID TEFFETELLER
 Feb 04, 2020

DEVELOPED BY

FRANK MOORE

FRANCIS HUDSON MOORE Digitally signed by FRANCIS HUDSON MOORE
 Date: 2020.01.15 13:08:58 -05'00'

OFFICE

DATE

AJV-A433 12/02/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by
DAVID TEFFETELLER

OFFICE

DATE

AJV-A430

TITLE

MANAGER

Feb 04, 2020

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZLA, SOCAL DEP CON, LGB ATCT, AMGR

CHANGES - REASONS:

1. REMOVED REFERENCES TO TURBOPROPS - CANCELS NOTAM 9/5741. PROCEDURE WAS DESIGNED FOR TURBOJETS ONLY.
2. AMENDED MISEN TRANSITION NOTE FROM "...LAS COMPLEX," TO "...LAS TERMINAL AREA."--LAS METROPLEX REQUEST.
3. MOCA FROM ARCUS TO YELAH CHANGED FROM 5300 TO 8500 - TO RESOLVE INCONSISTENCIES BETWEEN TRANSITIONS AND MATCH PREVIOUS AMDT.
4. REMOVED PILOT NAVIGATION AREA - THERE IS NO LONGER A REQUIREMENT FOR A PILOT NAVIGATION AREA.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>				
ZOOMM	THREE	ZOOMM3.ZOOMM	TWO	07/19/2018	21MAY2020				
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW12 (AER)*	334924.94N/1180930.16W*	N	-	-	-	-			*DISPL THLD (1350 FT)
600 MSL		-	-	VA	134.72	-			
		-	-	VM	134.73	-			
CAHIL	335422.57N/1175641.25W	Y	FB	DF	-	-	AT/ABOVE 15000		
RW26R (AER)*	334921.74N/1180841.60W*	N	-	-	-	-			*DISPL THLD (532 FT)
580 MSL		-	-	VA	270.20	-			CG 230 FT/NM TO 1600
		-	-	VM	194.00	-			
CAHIL	335422.57N/1175641.25W	Y	FB	DF	-	-	AT/ABOVE 15000		
RW30 (AER)*	334838.64N/1180834.16W*	N	-	-	-	-			*DISPL THLD (2000 FT)
1500 MSL		-	-	VA	314.73	-			
		-	-	VM	194.00	-			LEFT TURN
CAHIL	335422.57N/1175641.25W	Y	FB	DF	-	-			
CAHIL	335422.57N/1175641.25W	Y	-	IF	-	-	AT/ABOVE 15000		
ZOOMM	335709.41N/1175408.91W	Y	FB	TF	037.26	3.49	AT/ABOVE 16000		
ZOOMM	335709.41N/1175408.91W	Y	-	IF	-	-	AT/ABOVE 16000	ZOOMM3.BEALE	
SEBBY	340522.87N/1174637.12W	Y	FB	TF	037.29	10.32			
PLAYY	341759.34N/1172752.81W	Y	FB	TF	050.91	20.00			
ARCUS	343230.00N/1170606.42W	Y	FB	TF	051.09	23.11			



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ZOOMM		THREE	ZOOMM3.ZOOMM	TWO	07/19/2018	21MAY2020			
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
YELAH	345115.00N/1163840.90W	Y	FB	TF	050.25	29.36			
WYZEE	354145.92N/1153012.69W	Y	FB	TF	047.70	75.41			
BEALE	361056.83N/1144934.09W	Y	FB	TF	048.36	44.03			
ZOOMM	335709.41N/1175408.91W	Y	-	IF	-	-	AT/ABOVE 16000		ZOOMM3.HAILO
SEBBY	340522.87N/1174637.12W	Y	FB	TF	037.29	10.32			
PLAYY	341759.34N/1172752.81W	Y	FB	TF	050.91	20.00			
GUNNR	345237.00N/1165913.00W	Y	FB	TF	034.26	41.89			
ARMY	350348.00N/1164424.00W	Y	FB	TF	047.41	16.52			
HAILO	353814.00N/1155816.00W	Y	FB	TF	047.44	51.05			
ZOOMM	335709.41N/1175408.91W	Y	-	TF	-	-	AT/ABOVE 16000		ZOOMM3.LAS
SEBBY	340522.87N/1174637.12W	Y	FB	TF	037.29	10.32			
PLAYY	341759.34N/1172752.81W	Y	FB	TF	050.91	20.00			
NNAVY	345510.68N/1164340.88W	Y	FB	TF	044.29	52.05			
BLAZN	353755.21N/1154646.06W	Y	FB	TF	047.24	63.19			
LAS VORTAC	360446.93N/1150935.27W	Y	FB	TF	048.23	40.41			
ZOOMM	335709.41N/1175408.91W	Y	-	IF	-	-	AT/ABOVE 16000		ZOOMM3.MISEN
SEBBY	340522.87N/1174637.12W	Y	FB	TF	037.29	10.32			
PLAYY	341759.34N/1172752.81W	Y	FB	TF	050.91	20.00			
ARCUS	343230.00N/1170606.42W	Y	FB	TF	051.09	23.11			
YELAH	345115.00N/1163840.90W	Y	FB	TF	050.25	29.36			
MISEN	350608.46N/1162413.86W	Y	FB	TF	038.55	19.03			

QUALITY
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CHECKED

<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>			
ZOOMM		THREE	ZOOMM3.ZOOMM	TWO	07/19/2018	21MAY2020			
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
ZOOMM	335709.41N/1175408.91W	Y	-	IF	--	-	AT/ABOVE 16000		ZOOMM3.NNAVY
SEBBY	340522.87N/1174637.12W	Y	FB	TF	037.29	10.32			
PLAYY	341759.34N/1172752.81W	Y	FB	TF	050.91	20.00			
NNAVY	345510.68N/1164340.88W	Y	FB	TF	044.29	52.05			

