

**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SUPERSEDED NUMBER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>
ZOOMM	ONE	ZOOMM1.ZOOMM	NONE		02 MAR 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"/>

THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN NFDD #010.

DP ROUTE DESCRIPTION:

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

TAKEOFF RWY 25R: CLIMB HEADING 256.20 TO 580, THEN ON HEADING 180.00 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO TO CROSS CAHIL AT OR ABOVE 15000, THEN ON TRACK 023.26 TO CROSS ZOOMM AT OR ABOVE 16000, THENCE...

TAKEOFF RWY 30: CLIMB HEADING 300.73 TO 1500, THEN LEFT TURN HEADING 180.00 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO 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, TURBOPROPS MAINTAIN 16000, 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	ZOOMM1.BEALE	ZOOMM	SEBBY	TRACK 023.29	10.32	12000	3700	
		SEBBY	PLAYY	TRACK 036.91	20.00	15000	13000	
		PLAYY	ARCUS	TRACK 037.09	23.11	15000	7700	
		ARCUS	YELAH	TRACK 036.25	29.36	15000	7500	
		YELAH	WYZEE	TRACK 033.70	75.41	15000	9900	
		WYZEE	BEALE	TRACK 034.36	44.03	15000	8600	
HAILO	ZOOMM1.HAILO	ZOOMM	SEBBY	TRACK 023.29	10.32	12000	3700	
		SEBBY	PLAYY	TRACK 036.91	20.00	15000	13000	
		PLAYY	GUNNR	TRACK 020.26	41.89	15000	8900	
		GUNNR	ARMY	TRACK 033.41	16.52	15000	7400	
		ARMY	HAILO	TRACK 033.44	51.05	15000	7400	
LAS VEGAS	ZOOMM1.LAS	ZOOMM	SEBBY	TRACK 023.29	10.32	12000	3700	
		SEBBY	PLAYY	TRACK 036.91	20.00	15000	13000	
		PLAYY	NNAVY	TRACK 030.29	52.05	15000	8700	

QUALITY
10
CHECKED

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<u>DP NAME</u>			<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
ZOOMM			ONE	ZOOMM1.ZOOMM	NONE		02 MAR 2017
		NNAVY	BLAZN	TRACK 033.24	63.19 15000	6700	
		BLAZN	LAS VORTAC	TRACK 034.23	40.41 15000	10800	
MISEN	ZOOMM1.MISEN	ZOOMM	SEBBY	TRACK 023.29	10.32 12000	3700	
		SEBBY	PLAYY	TRACK 036.91	20.00 15000	13000	
		PLAYY	ARCUS	TRACK 037.09	23.11 15000	7700	
		ARCUS	YELAH	TRACK 036.25	29.36 15000	8500	
		YELAH	MISEN	TRACK 024.55	19.03 15000	5300	
NNAVY	ZOOMM1.NNAVY	ZOOMM	SEBBY	TRACK 023.29	10.32 12000	3700	
		SEBBY	PLAYY	TRACK 036.91	20.00 15000	13000	
		PLAYY	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 AND TURBO PROP ONLY

NOTE: MISEN TRANSITION RESTRICTED TO AIRCRAFT LANDING LAS COMPLEX

NOTE: HAILO / LAS / NNAVY TRANSITIONS ATC ONLY

TAKEOFF MINIMUMS:

RWY 25R: STANDARD WITH A MINIMUM CLIMB OF 230 FEET PER NM TO 1600.

RWY 30: STANDARD.

RWY 12: STANDARD.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 12, TREES BEGINNING 969 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/87 FT MSL. SPIRE 3094 FT FROM DER, 1182 FT RIGHT OF CENTERLINE, 98 FT AGL/118 FT MSL. TREES BEGINNING 1124 FT FROM DER, 357 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/98 FT MSL. LIGHT POLE 1126 FT FROM DER, 607 FT LEFT OF CENTERLINE, 37 FT AGL/59 FT MSL. PIPE 1146 FT FROM DER, 334 FT LEFT OF CENTERLINE, 31 FT AGL/55 FT MSL.

NOTE: RWY 25R, REIL 68 FT FROM DER, 59 FT RIGHT OF CENTERLINE, 5 FT AGL/68 FT MSL. TREE 243 FT FROM DER, 366 FT RIGHT OF CENTERLINE, 97 FT MSL. BUILDING 250 FT FROM DER, 204 FT RIGHT OF CENTERLINE, 30 FT AGL/93 FT MSL. POLE 623 FT FROM DER, 128 FT RIGHT OF CENTERLINE, 25 FT AGL/89 FT MSL. TREE 631 FT FROM DER, 409 FT RIGHT OF CENTERLINE, 122 FT MSL. TREES BEGINNING 1247 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 133 FT MSL. BUILDING 1.1 NM FROM DER, 972 FT RIGHT OF CENTERLINE, 156 FT AGL/248 FT MSL. BUILDING 1.30 NM FROM DER, 655 FT RIGHT OF CENTERLINE, 157 FT AGL/259 FT MSL. FENCE 179 FT FROM DER, 8 FT LEFT OF CENTERLINE, 5 FT AGL/68 FT MSL. POLES BEGINNING 322 FT FROM DER, 111 FT LEFT OF CENTERLINE, UP TO 34 FT AGL/95 FT MSL. SIGN 1153 FT FROM DER, 5 FT LEFT OF CENTERLINE, 77 FT AGL/139 FT MSL. TREE 1259 FT FROM DER, 591 FT LEFT OF CENTERLINE, 127 FT MSL. TREE 2148 FT FROM DER, 249 FT LEFT OF CENTERLINE, 117 FT MSL.

NOTE: RWY 30, TREES BEGINNING 1596 FT FROM DER, 104 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/121 FT MSL. LIGHT POLES BEGINNING 356 FT FROM DER, 245 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/93 FT MSL. POLE 312 FT RIGHT OF CENTERLINE, 72 FT AGL/145 FT MSL. BUILDINGS BEGINNING 1338 FT FROM DER, 621 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/139 FT MSL. RAILROAD BEGINNING 648 FT FROM DER, ON CENTERLINE, 17 FT AGL/91 FT MSL. TREES BEGINNING 1205 FT FROM DER, 517 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/130 FT MSL. LIGHT POLES BEGINNING 984 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/127 FT MSL. BUILDINGS BEGINNING 351 FT FROM DER, 289 FT LEFT OF CENTERLINE, UP TO 22 FT AGL/89 FT MSL.

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ZOOMM	ONE	ZOOMM1.ZOOMM	NONE		02 MAR 2017

POLES BEGINNING 1939 FT FROM DER, 312 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/127 FT MSL.

CONTROLLING OBSTACLES:

RWY 25R: 248 FT MSL TOWER (06-036374) 334931.75N/1181108.17W (CG). 1679 FT MSL AAO 334448.02N/1182006.83W (CTA).

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KLGB 14E EPOCH YR: 1980

DME/DME ASSESSMENT SAT: RNP (2.0)

CHART: TOP ALTITUDE: (TURBOJETS) 17000 / (TURBOPROPS) 16000

PILOT NAVIGATION AREA: 10 NM ARC CENTERED ON CAHIL (IF); CW FROM PT A (BEARING 338.26 TO CAHIL) TO POINT B (BEARING 068.26 TO CAHIL). MINIMUM ALTITUDE = 10000.

DO NOT CHART MOCAS

<u>AIRPORTS SERVED:</u>	<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
LONG BEACH/DAUGHERTY FIELD		LONG BEACH	CA

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

REMARKS:

FLIGHT INSPECTED BY:

THOMAS E MOLOKIE

Digitally signed by

BEV L BORDY

Dec 21, 2016

OFFICE SYMBOL:

FIOG

DATE:

12/21/2016

DEVELOPED BY:

PHILLIP BRANDENBURG

phillip.brandenburg@faa.gov

Digitally signed by phillip.brandenburg@faa.gov
DN: cn=phillip.brandenburg@faa.gov
Date: 2016.08.22 15:01:23 -05'00'

OFFICE SYMBOL:

AJV-5432

DATE:

08/25/2016

APPROVED BY:

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Dec 21, 2016

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:



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DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ZOOMM						ONE	ZOOMM1.ZOOMM	NONE		02 MAR 2017
A4A	ALPA	AOPA	APA	HAI	NBAA					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					

OTHER:

ZLA, SOCAL DEP CON, LGB ATCT, WESTERN FPT, AMGR

CHANGES - REASONS:

1. ORIGINAL, PER FPT/ATC REQUEST.

12/20/20016: THIS IS AN UPDATED COPY OF THE FORMS DEVELOPED ON 8/24/2016.

1. ADDED DO NOT CHART MOCAS TO ADDITIONAL FLIGHT DATA.

1/5/17: THIS IS AN CORRECTED COPY OF THE FORM DEVELOPED ON 12/20/16.

1. CHANGED TRANSITION COMPUTER CODES FROM ZOOM1 TO ZOOMM1.

1/17/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 1/5/2017.

1. CORRECTED COMPUTER DP CODE FROM ZOOMM1.ZOOM TO ZOOMM1.ZOOMM.

QUALITY
10
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**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ZOOMM							ONE	ZOOMM1.ZOOMM	NONE		02 MAR 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW12 (AER)*	334924.93N/1180930.15W*	N	-	-	-	-				*DISPL THLD (1351 FT)	
600 MSL	-	-	-	VA	134.72	-					
-	-	-	-	VM	134.73	-					
CAHIL	335422.57N/1175641.25W	Y	FB	DF	-	-	AT/ABOVE 15000				
RW25R (AER)*	334921.72N/1180841.58W*	N	-	-	-	-				*DISPL THLD (530 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)*	335422.57N/1175641.25W*	N	-	-	-	-				*DISPL THLD (2002 FT)	
1500 MSL	-	-	-	VA	314.73	-					
-	-	-	-	VM	194.00	-				LEFT TURN	
CAHIL	335422.57N/1175641.25W	Y	FB	DF	-	-	AT/ABOVE 15000				
CAHIL	335422.57N/1175641.25W	Y	-	IF	-	-	AT/ABOVE 15000				
ZOOMM	335709.41N/1175408.91W	Y	FB	TF	037.26	03.49	AT/ABOVE 16000				
ZOOMM	335709.41N/1175408.91W	Y	-	IF	-	-	AT/ABOVE 16000				
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					

QUALITY
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QUALITY
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DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ZOOMM							ONE	ZOOMM1.ZOOMM	NONE		02 MAR 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)		ALTITUDE	SPEED		REMARKS
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			ZOOMM1.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	-	IF	-	-		AT/ABOVE 16000			ZOOMM1.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			ZOOMM1.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					

QUALITY

10

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QUALITY

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DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ZOOMM							ONE	ZOOMM1.ZOOMM	NONE		02 MAR 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
YELAH	345115.00N/1163840.90W	Y	FB	TF	050.25	29.36					
MISEN	350608.46N/1162413.86W	Y	FB	TF	038.55	19.03					
ZOOMM	335709.41N/1175408.91W	Y	-	IF	-	-	AT/ABOVE 16000		ZOOMM1.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					

