

**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SUPERSEDED NUMBER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>
QUAKE	TWO	QUAKE2.QAK	ONE	01/30/2020	05NOV2020
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
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DP ROUTE DESCRIPTION:**TAKEOFF RUNWAY 10L:** CLIMBING RIGHT TURN HEADING 270.00 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...**TAKEOFF RUNWAY 10R:** CLIMBING RIGHT TURN HEADING 270.00 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...**TAKEOFF RUNWAY 12:** CLIMBING RIGHT TURN HEADING 270.00 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...**TAKEOFF RUNWAY 28L:** CLIMB ON HEADING 278.17 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX. CROSS 4 DME NORTHWEST OF OAK VOR/DME AT OR ABOVE 1400 AND AT OR BELOW 2000, THENCE...**TAKEOFF RUNWAY 28R:** CLIMB ON HEADING 278.18 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX. CROSS 4 DME NORTHWEST OF OAK VOR/DME AT OR ABOVE 1400 AND AT OR BELOW 2000, THENCE...**TAKEOFF RWY 30:** CLIMB ON HEADING 296.01 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX. CROSS 4 DME NORTHWEST OF OAK VOR/DME AT OR ABOVE 1400 AND AT OR BELOW 2000, THENCE...

...MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE TEN 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>
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PROCEDURAL DATA NOTES:**CHART NOTE:** RADAR REQUIRED**TAKEOFF MINIMUMS:****RWY 15, 33:** NA - ATC.**RWY 10L, 10R, 12, 30:** STANDARD.**RWY 28L, 28R:** STANDARD WITH MINIMUM CLIMB OF 375 FT PER NM TO 2000.**TAKEOFF OBSTACLES NOTES:**

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

CONTROLLING OBSTACLES:**RWY 28L, 28R:** 1814 FT MSL TOWER 374520.00N/1222710.00W**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:****CHART:** TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG VAR: KOAK 14E EPOCH YR: 2015.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
QUAKE	TWO	QUAKE2.QAK	QUAKE1.QUAKE	01/30/2020	05NOV2020

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
METROPOLITAN OAKLAND INTL	KOAK	OAKLAND	CA

COMMUNICATIONS:

ATIS, CLNC DEL, DEP CON, CPDLC

FIXES AND/OR NAVAIDS:

ALANN, ALCOA, ALLBE, BAART, BEBOP, CINNY, FFOIL, KAYEX, KTINA, LIBBO, NTELL, SUSEY, OSI VOR/DME

REMARKS:

1. ABBREVIATED AMENDMENT

2. THE RWY 28L/R CONTROLLING OBSTACLE REQUIRES 220FT/NM TO 2400. THE 375 FT/NM TO 2000 ENSURES AIRCRAFT MAKE THE CROSSING RESTRICTION WHILE REACHING THE 1600 MVA QUICKLY TO ALLOW ATC TO START VECTORS BEFORE GETTING TO THE 2100 MVA

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020 SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

*Digitally signed by***ALLAN WILL**

Jul 27, 2020

OFFICE**DATE****DEVELOPED BY***Digitally signed by***KELLIE R BARNES**

Jul 15, 2020

OFFICE**DATE**

KELLIE BARNES

AJV-A423

05/27/2020

APPROVED BY

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Jul 27, 2020

OFFICE**DATE****TITLE**

AJV-A420

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:A4A ☒ALPA ☒AOPA ☒APA ☒HAI ☐NBAA ☒**OTHER:** ZOA, NORCAL APP CON, OAK ATCT, AMGR**CHANGES - REASONS:**

1. CHANGED COMPUTER CODE FROM QUAKE1.QUAKE TO QUAKE2.QAK - ATC REQUEST; NORCAL COULD NOT ASSIGN SID DUE TO AUTOMATION ISSUES WITH PREVIOUS COMPUTER CODE