

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KHAF	HALF MOON BAY	CA	2	

TAKEOFF MINIMUMS:

RWY 12: STANDARD WITH MINIMUM CLIMB OF 375 FT PER NM TO 3200.

TEXTUAL DEPARTURE PROCEDURES:

RWY 12: CLIMB ON HEADING 121.93 TO 3000, THEN CLIMBING LEFT TURN DIRECT OSI VOR/DME. CONTINUE CLIMB IN OSI HOLDING PATTERN (HOLD SE, LEFT TURNS, 320.98 INBOUND) TO CROSS OSI VOR/DME AT OR ABOVE 5100 ON V25-87 BEFORE PROCEEDING ON COURSE.

RWY 30: USE SEEMS DEPARTURE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12: TREE 2557 FT FROM DER, 212 FT LEFT OF CENTERLINE, 90 FT AGL/114 FT MSL.

NOTE: RWY 30: TREES BEGINNING 1248 FT FROM DER, 83 FT LEFT OF CENTERLINE, UP TO 160 FT MSL. TREE 1263 FT FROM DER, 628 FT RIGHT OF CENTERLINE, 156 FT MSL. TREES AND POLES BEGINNING 1490 FT FROM DER, 102 FT RIGHT OF CENTERLINE, UP TO 160 FT MSL. TREES BEGINNING 1921 FT FROM DER, 161 FT LEFT OF CENTERLINE, UP TO 172 FT MSL. TREES BEGINNING 2234 FT FROM DER, 23 FT LEFT OF CENTERLINE, UP TO 192 FT MSL.

CONTROLLING OBSTACLES:

RWY 12: 2303 FT MSL AAO 372524.00N/1222115.00W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: 2146 FT MSL AAO 373139.00N/1222536.00W

REMARKS:

VCOA OPT-OUT REQUESTED FROM AFS.

VEGETATION HEIGHT: 100 FT PER FPT.

FLIGHT INSPECTED BY *Digitally signed by*
BRANDON C EASTIN **ERIC N SUSKI**
Apr 04, 2023

OFFICE **DATE**
FPO 01/26/2023

DEVELOPED BY *Digitally signed by*
KELLY DEAN **KELLY D DEAN**
Nov 30, 2022

OFFICE **DATE**
AJV-A431 11/15/2022

APPROVED BY *Digitally signed by*
 ERIC N SUSKI
Apr 04, 2023

OFFICE **DATE** **TITLE**
AJV-A432

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOA, ARPT MGR, NORCAL APP CON

CHANGES - REASONS:

1. CHANGED RWY 12 TAKEOFF MINS FROM "2600-2 OR STANDARD WITH A MINIMUM CLIMB OF 306 FT PER NM TO 3400" TO "STANDARD WITH A MINIMUM CLIMB OF 375 FT PER NM TO 3200" - OBSTACLE EVAL.
2. DELETED RWY 30 TAKEOFF MINS "RWY 30-NA" - DEPARTURE AUTHORIZED ON RNAV ODP.
3. CHANGED RWY 12 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMB RUNWAY HEADING TO 3000, THEN CLIMB DIRECT OSI VOR/DME, TO CROSS OSI VOR/DME AT OR ABOVE 3500 BEFORE PROCEEDING ON COURSE" TO "CLIMB ON HEADING 121.93 TO 3000, THEN CLIMBING LEFT TURN DIRECT OSI VOR/DME. CLIMB IN HOLDING PATTERN (HOLD SE, LEFT TURNS, 320.98 INBOUND) TO CROSS OSI VOR/DME AT OR ABOVE 5100 ON V25-87 BEFORE PROCEEDING ON COURSE" - PROVIDE RWY HEADING VALUE, ESTABLISH CIH TO ENROUTE ALTITUDE.
4. ADDED USE SEEMS DP FOR RWY 30 TO TEXTUAL DEPARTURE PROCEDURE BLOCK - ESTABLISHED AN RNAV ODP.

VCOA NOT ESTABLISHED AT ATC REQUEST DUE TO PROXIMITY TO KSFO, KSJC, KOAK, AND MULTIPLE SMALLER AIRPORTS.

QUALITY
12
CHECKED