

**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SUPERSEDED NUMBER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> |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| KATFH | THREE | KATFH3.KATFH | TWO | 08/20/2015 | |
| <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 10L: CLIMB ON HEADING 098.16 TO 520, THEN RIGHT TURN DIRECT TO CROSS ROWLY AT OR BELOW 3000, THEN ON TRACK 150.40 TO CROSS VYYDA AT OR BELOW 4000, THEN ON TRACK 150.29 TO CROSS KATFH AT OR ABOVE 6000, THENCE...

TAKEOFF RWY 10R: CLIMB ON HEADING 098.15 TO 520, THEN RIGHT TURN DIRECT TO CROSS ROWLY AT OR BELOW 3000, THEN ON TRACK 150.40 TO CROSS VYYDA AT OR BELOW 4000, THEN ON TRACK 150.29 TO CROSS KATFH AT OR ABOVE 6000, THENCE...

TAKEOFF RWY 12: CLIMB ON HEADING 115.99 TO 520, THEN DIRECT TO CROSS ROWLY AT OR BELOW 3000, THEN ON TRACK 150.40 TO CROSS VYYDA AT OR BELOW 4000, THEN ON TRACK 150.29 TO CROSS KATFH AT OR ABOVE 6000, THENCE...

... ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, 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> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
| KTINA | KATFH3.KTINA | KATFH | MCOVY | TRACK 150.37 | 6.01 | 6000 | 2700 | |
| | | MCOVY | KTINA | TRACK 130.63 | 71.14 | 9000 | 5800 | |
| SUSEY | KATFH3.SUSEY | KATFH | MCOVY | TRACK 150.37 | 6.01 | 6000 | 2700 | |
| | | MCOVY | SUSEY | TRACK 126.13 | 71.77 | 9000 | 5800 | |
| KAYEX | KATFH3.KAYEX | KATFH | MCOVY | TRACK 150.37 | 6.01 | 6000 | 2700 | |
| | | MCOVY | KAYEX | TRACK 121.09 | 73.04 | 9000 | 6000 | |
| NTELL | KATFH3.NTELL | KATFH | MCOVY | TRACK 150.37 | 6.01 | 6000 | 2700 | |
| | | MCOVY | NTELL | TRACK 090.36 | 105.51 | 9000 | 6200 | |

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

TAKEOFF MINIMUMS:

RWY 15, 28L/R, 30, 33: NA - ATC.

RWY 10L/R, 12: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

TAKEOFF OBSTACLES NOTES:

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



CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
CHART: TOP ALTITUDE: ASSIGNED BY ATC.
REFERENCE MAG VAR: KOAK 14E EPOCH YR: 2015.
DME/DME ASSESSMENT: SAT (RNP 2.0).
DO NOT CHART MOCA ALTITUDES.

AIRPORTS SERVED:

| AIRPORT NAME | AIRPORT ID | CITY | STATE |
|--------------------|------------|---------|-------|
| METRO OAKLAND INTL | KOAK | OAKLAND | CA |

COMMUNICATIONS:
ATIS, CLNC DEL, CPDLC, GND CON, ATCT, NORCAL DEP CON.

FIXES AND/OR NAVAIDS:
CHART: CISKO, EBAYE, LOSHN.

REMARKS:
ABBREVIATED AMENDMENT. FLIGHT INSPECTION MAPS AND RNAV PRO RUNS RETAINED FROM KATFH TWO.
MOCA ALTITUDES NOT CHARTED PER ATC TO REDUCE CHART CLUTTER.

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

DEVELOPED BY

FRANK JACKSON

Digitally signed by

FRANK JACKSON

Mar 21, 2021

Digitally signed by

DONALD H LANIER

Apr 05, 2021

OFFICE

AJV-A431

DATE

03/09/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Apr 05, 2021

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER:OAK ATCT, NORCAL APP CON, ZOA.

- CHANGES - REASONS:
1. UPDATED DP ROUTE DESCRIPTION FOR ALL RUNWAYS FROM CLIMB HEADING TO CLIMB ON HEADING - IAW 8260.46G, APPENDIX E, PARA 3.
 2. UPDATED TAKEOFF RWY 10L INITIAL HEADING FROM 098.17 TO 098.16 - UPDATED AIRPORT DATA AND ALIGNED WITH RUNWAY ALIGNMENT.
 3. DELETED CISKO, EBAYE, AND LOSHN TRANSITION SEGMENTS AND ALL ASSOCIATED DATA - PER ATC REQUEST DUE TO EXCESS COORDINATION BETWEEN NORCAL APP CON AND ARTCC.
 4. CHANGED TRANSITION NAMES FROM CISKO TO KTINA, EBAYE TO SUSEY, AND LOSHN TO KAYEX - DELETED TRANSITION TERMINATION POINT AND IAW 8260.46G, APPENDIX E, PARA 4 (A).
 5. UPDATED AIRPORT NAME FROM METROPOLITAN OAKLAND INTL TO METRO OAKLAND INTL - MATCH NASR AND AIRNAV DATA.
 6. ADDED CHART FIXES CISKO, EBAYE, AND LOSHN - ATC REQUEST FOR COORDINATION.
 7. DELETED TAKEOFF OBSTACLE NOTES AND ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - AIRPORT HAS TEXTUAL ODP ESTABLISHED THAT CONTAINS TAKEOFF OBSTACLE NOTES.



| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| KATFH | THREE | KATFH3.KATFH | TWO | 08/20/2015 | |

8. CHANGED CHART: TOP ALTITUDE: 3000 TO CHART: TOP ALTITUDE: ASSIGNED BY ATC - FPT/ATC REQUEST.
9. ADDED TO DP ROUTE DESCRIPTION MAINTAIN ATC ASSIGNED ALTITUDE - IAW 8260.46G, PARA 1-1-5 E (1) AND 8260.46G, PARA 3-1-1 L (6).



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

| DP NAME | | | | | | NUMBER | DP COMPUTER CODE | SUPERSEDED NUMBER | DATED | ACTUAL EFFECTIVE DATE |
|-------------|------------------------|---|-------|----------|--------|-----------|------------------|-------------------|-------------------------|-----------------------|
| KATFH | | | | | | THREE | KATFH3.KATFH | TWO | 08/20/2015 | |
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS | |
| RW10L (AER) | 374349.69N/1221319.85W | N | - | - | - | - | | | | |
| 520 MSL | - | - | - | VA | 112.16 | - | AT/ABOVE 520 | | CG 500 FT PER NM TO 520 | |
| ROWLY | 373559.87N/1220558.16W | Y | FB | DF | - | - | AT/BELOW 3000 | | RIGHT TURN | |
| VYYDA | 373257.26N/1220454.13W | Y | FB | TF | 164.40 | 3.16 | AT/BELOW 4000 | | | |
| KATFH | 372707.73N/1220250.83W | Y | FB | TF | 164.29 | 6.04 | AT/ABOVE 6000 | | | |
| | | | | | | | | | | |
| RW10R (AER) | 374343.35N/1221333.25W | N | - | - | - | - | | | | |
| 520 MSL | - | - | - | VA | 112.15 | - | AT/ABOVE 520 | | CG 500 FT PER NM TO 520 | |
| ROWLY | 373559.87N/1220558.16W | Y | FB | DF | - | - | AT/BELOW 3000 | | RIGHT TURN | |
| VYYDA | 373257.26N/1220454.13W | Y | FB | TF | 164.40 | 3.16 | AT/BELOW 4000 | | | |
| KATFH | 372707.73N/1220250.83W | Y | FB | TF | 164.29 | 6.04 | AT/ABOVE 6000 | | | |
| | | | | | | | | | | |
| RW12 (AER) | 374312.23N/1221431.61W | N | - | - | - | - | | | | |
| 520 MSL | - | - | - | VA | 129.99 | - | AT/ABOVE 520 | | CG 500 FT PER NM TO 520 | |
| ROWLY | 373559.87N/1220558.16W | Y | FB | DF | - | - | AT/BELOW 3000 | | | |
| VYYDA | 373257.26N/1220454.13W | Y | FB | TF | 164.40 | 3.16 | AT/BELOW 4000 | | | |
| KATFH | 372707.73N/1220250.83W | Y | FB | TF | 164.29 | 6.04 | AT/ABOVE 6000 | | | |
| | | | | | | | | | | |
| KATFH | 372707.73N/1220250.83W | Y | - | IF | - | - | AT/ABOVE 6000 | | KATFH3.KTINA | |
| MCOVY | 372119.81N/1220048.94W | Y | FB | TF | 164.37 | 6.01 | | | | |
| KTINA | 362303.60N/1210948.62W | Y | FB | TF | 144.63 | 71.14 | | | | |

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| <u>DP NAME</u> | | <u>NUMBER</u> | | <u>DP COMPUTER CODE</u> | | <u>SUPERSEDED NUMBER</u> | | <u>DATED</u> | <u>ACTUAL EFFECTIVE DATE</u> |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|------------------------------|
| KATFH | | THREE | | KATFH3.KATFH | | TWO | | 08/20/2015 | |
| <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> |
| KATFH | 372707.73N/1220250.83W | Y | - | IF | - | - | AT/ABOVE 6000 | | KATFH3.SUSEY |
| MCOVY | 372119.81N/1220048.94W | Y | FB | TF | 164.37 | 6.01 | | | |
| SUSEY | 362556.87N/1210347.99W | Y | FB | TF | 140.13 | 71.77 | | | |
| | | | | | | | | | |
| KATFH | 372707.73N/1220250.83W | Y | - | IF | - | - | AT/ABOVE 6000 | | KATFH3.KAYEX |
| MCOVY | 372119.81N/1220048.94W | Y | FB | TF | 164.37 | 6.01 | | | |
| KAYEX | 362914.95N/1205652.29W | Y | FB | TF | 135.09 | 73.04 | | | |
| | | | | | | | | | |
| KATFH | 372707.73N/1220250.83W | Y | - | IF | - | - | AT/ABOVE 6000 | | KATFH3.NTELL |
| MCOVY | 372119.81N/1220048.94W | Y | FB | TF | 164.37 | 6.01 | | | |
| NTELL | 365358.99N/1195322.21W | Y | FB | TF | 104.36 | 105.51 | | | |

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