

**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SUPERSEDED NUMBER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>
MERLOT	THREE	MER3.SGD	TWO	09/15/2016	10/10/2019
<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 type="checkbox"/>

DP ROUTE DESCRIPTION:**TAKEOFF RWYS 1L/R:** CLIMB ON HEADING 006 (OR CLIMBING LEFT TURN ON ATC ASSIGNED HEADING 186 CW 006); THENCE ...**TAKEOFF RWY 6:** CLIMBING RIGHT TURN ON ASSIGNED HEADING BETWEEN 130 CW 242; THENCE ...**TAKEOFF RWYS 19L/R:** CLIMB ON HEADING 186 (OR ATC ASSIGNED HEADING 130 CW 270); THENCE ...**TAKEOFF RWY 24:** CLIMB ON HEADING 241.75 (OR ATC ASSIGNED HEADING 130 CW 270); THENCE ...

...EXPECT VECTORS TO JOIN ASSIGNED ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE; EXPECT FILED ALTITUDE/FLIGHT LEVEL 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>
------------------------	-------------------------------------	----------------------------	--------------------------	---------------	-----------------	------------	-------------	------------------------------------

PROCEDURAL DATA NOTES:**NOTE:** RADAR REQUIRED.**TAKEOFF MINIMUMS:****RWY 1L,** STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 2900.**RWY 1R,** STANDARD WITH MINIMUM CLIMB OF 460 FT PER NM TO 3000.**RWY 6,** STANDARD WITH MINIMUM CLIMB OF 430 FT PER NM TO 1600.**RWY 19L,** STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 1500.**RWY 19R,** STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1600.**RWY 24,** STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 1300.**TAKEOFF OBSTACLES NOTES:**

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

CONTROLLING OBSTACLES:**RWYS 1L/R:** 1054 FT MSL TREE 381521.20N/1221408.64W (CLIMB GRADIENT), 2262 FT AAO 381915.49N/1221105.89W (CLIMB-TO ALTITUDE).**RWY 6:** 835 FT MSL TREE 381118.83N/1221352.87W (CLIMB GRADIENT), 1160 FT MSL AAO 381036.65N/1221243.58W (CLIMB-TO ALTITUDE).**RWYS 19L/R:** 1160 FT MSL AAO 381036.65N/1221243.58W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).**RWY 24:** 187 FT MSL VEHICLE ON ROADWAY 381232.32N/1221823.54W (CLIMB GRADIENT), 1090 FT MSL AAO 381026.20N/1221250.24W (CLIMB-TO ALTITUDE).**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:** ALL RWYS: 1840 MSL AAO 381554.15N/1221249.57W (CLIMB GRADIENT), 2459 MSL AAO 381822.54N/1221017.47W (CLIMB-TO ALTITUDE).**LOST COMMUNICATIONS PROCEDURES:**

IF NOT IN CONTACT WITH OAKLAND CENTER AFTER REACHING 4000, PROCEED TO THE SGD VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART LOST COMMUNICATIONS HOLDING AT SGD VORTAC, HOLD N, LT, 167.00 INBOUND.

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG VAR: KAPC 15E EPOCH YEAR: 2005.

QUALITY
20
CHECKED

**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>
MERLOT	THREE	MER3.SGD	TWO	09/15/2016	10/10/2019

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
NAPA COUNTY (KAPC)	NAPA	CA

COMMUNICATIONS:

ATIS, GND, CLEARANCE DELIVERY, KAPC TOWER(CTAF), ZOA

FIXES AND/OR NAVAIDS:

ENI VORTAC, ILA VORTAC, SAC VORTAC, OAK VOR/DME, PYE VOR/DME, LIN VOR/DME, SAU VOR/DME, RBL VORTAC, CCR VOR/DME.

REMARKS:**FLIGHT INSPECTED BY:**

PENDING

OFFICE SYMBOL:**DATE:**

FIOG

DEVELOPED BY:*Digitally signed by*ANDREA CHANEY **ANDREA J CHANEY**

Jun 26, 2019

OFFICE SYMBOL:**DATE:**

AJV-A433

04/24/2019

APPROVED BY:*Digitally signed by*

GEORGE DAVIS

DAVID TEFFETELLER

Aug 02, 2019

OFFICE SYMBOL:**DATE:**

AJV-A430

REQUIRED EFFECTIVE DATE:

10/10/2019

COORDINATED WITH:**A4A****ALPA****AOPA****APA****HAI****NBAA**☐☒☒☐☐☒**OTHER:**

ZOA, NORCAL APP CON, KAPC ATCT, ARPT MGR



**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>
MERLOT	THREE	MER3.SGD	TWO	09/15/2016	10/10/2019

CHANGES - REASONS:

1. CHANGED ALL REFERENCES TO RWYS 36L/R AND 18L/36R TO 1L/R AND 19L/1R - RENUMBERING OF RUNWAYS.
2. DP ROUTE DESCRIPTION, TAKEOFF RWYS 1L/R, 19 L/R AND 24: 'CLIMB HEADING....' CHANGED TO 'CLIMB ON HEADING....' - IAW 8260.46G CRITERIA.
3. DP ROUTE DESCRIPTION, ADDED 'ATC' TO NOTE: MAINTAIN ATC ASSIGNED ALTITUDE - IAW 8260.46G PARA 3-1-1.(6).
4. PROCEDURAL DATA NOTES, NOTE ADDED: RADAR REQUIRED - IAW 8260.46G CRITERIA.
5. TAKEOFF OBSTACLES NOTES REMOVED AND NOTE ADDED: SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - IAW 8260.46G CRITERIA.
6. CONTROLLING OBSTACLES FOR RWY 01L CHANGED FROM '1198 FT MSL AAO 381623.90N/1221354.83W, 2139 FT AAO 381918.45N/1221109.47W' TO '1054 FT MSL TREE 381521.20N/1221408.64W (CLIMB GRADIENT), 2262 FT AAO 381915.49N/1221105.89W (CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
7. CONTROLLING OBSTACLES FOR RWY 01R CHANGED FROM '1329 FT MSL AAO 381610.00N/1221347.00W, 2262 FT AAO 381915.49N/1221105.89W' TO '1054 FT MSL TREE 381521.20N/1221408.64W (CLIMB GRADIENT), 2262 FT AAO 381915.49N/1221105.89W (CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
8. CONTROLLING OBSTACLES FOR RWY 06 CHANGED FROM '1199 FT MSL AAO 381036.75N/1221243.84W' TO '835 FT MSL TREE 381118.83N/1221352.87W (CLIMB GRADIENT), 1160 FT MSL AAO 381036.65N/1221243.58W (CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
9. CONTROLLING OBSTACLES FOR RWY 19L CHANGED FROM '1119 FT MSL AAO 381026.81 N/1221249.50W' TO '1160 FT MSL AAO 381036.65N/1221243.58W (CLIMB GRADIENT/CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
10. CONTROLLING OBSTACLES FOR RWY 19R CHANGED FROM '1199 FT MSL AAO 381036.75N/1221243.84W' TO '1160 FT MSL AAO 381036.65N/1221243.58W (CLIMB GRADIENT/CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
11. CONTROLLING OBSTACLES FOR RWY 24 CHANGED FROM '1099 FT MSL AAO 381027.00N/1221251.48W' TO '187 FT MSL VEHICLE ON ROADWAY 381232.32N/1221823.54W (CLIMB GRADIENT), 1090 FT MSL AAO 381026.20N/1221250.24W (CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
12. CONTROLLING OBSTACLES MANDATING ODP ROUTE DEVELOPMENT, FOR ALL RWYS CHANGED FROM '2458 FT MSL AAO 381821.00N/1221015.00W' TO '1840 MSL AAO 381554.15N/1221249.57W (CLIMB GRADIENT), 2459 MSL AAO 381822.54N/1221017.47W (CLIMB-TO ALTITUDE)' - UPDATED EVALUATION.
13. ADDITIONAL FLIGHT DATA, NOTE ADDED: TOP ALTITUDE: ASSIGNED BY ATC - IAW 8260.46G CRITERIA.
14. ADDITIONAL FLIGHT DATA, NOTE ADDED: REFERENCE MAG VAR: KAPC 15E EPOCH YEAR: 2005 - IAW 8260.46G CRITERIA.
15. AIRPORTS SERVED: ICAO ID ADDED PER 8260.46G CRITERIA.
16. FIXES AND/OR NAVAIDS: STS VOR/DME DELETED - PER ATC REQUEST.

