

**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SUPERSEDED NUMBER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> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| MIKAA | ONE | MIKAA1.MIKAA | NONE | | 27 APR 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 checked="" type="checkbox"/> |

DP ROUTE DESCRIPTION:

TAKEOFF RWY 02L: CLIMB HEADING 015.91 TO 560, THEN DIRECT LIION, THEN ON TRACK 058.31 TO CHOAK, THEN ON DEPICTED ROUTE TO MIKAA THENCE...
...(TRANSITION). MAINTAIN 14000, EXPECT FILED ALTITUDE WITHIN 10 MINUTES OF 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> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
| HHERO | MIKAA1.HHERO | MIKAA | SNYPR | TRACK 271.08 | 7.91 | 14000 | 1300 | |
| | | SNYPR | HHERO | TRACK 285.55 | 10.63 | 14000 | 4100 | |

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.
NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: TURBOJETS AND TURBOPROPS ONLY.

TAKEOFF MINIMUMS:

RWY 02L: STANDARD WITH A MINIMUM CLIMB OF 500 FT/NM TO 1500.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 02L, POLE AND TREES BEGINNING 94FT FROM DER, 490FT LEFT OF CENTERLINE, UP TO 26FT AGL/63 FT MSL. NAVAID 497 FT FROM DER, 625FT RIGHT OF CENTERLINE, 19FT AGL/55 FT MSL. TREES BEGINNING 970FT FROM DER, 608FT LEFT OF CENTERLINE, UP TO 90FT AGL/127 FT MSL.

CONTROLLING OBSTACLES:

RWY 02L: 1975 FT MSL AAO, 334357.06N/1174155.11W (CTA).

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT SAT: (RNP 2.0)
CHART: TOP ALTITUDE: 14000.
REFERENCE MAG VAR: KSNA 12E EPOCH YR: 2015.
CHART SPEED ICON MAXIMUM SPEED 210 KIAS AT KLNCH.
DO NOT CHART MOCAS.

AIRPORTS SERVED:

| <u>AIRPORT NAME</u> | <u>CITY</u> | <u>STATE</u> |
|----------------------------------|-------------|--------------|
| JOHN WAYNE AIRPORT-ORANGE COUNTY | SANTA ANA | CA |

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON (EAST) (WEST), SOCAL DEP CON

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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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> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| MIKAA | ONE | MIKAA1.MIKAA | NONE | | 27 APR 2017 |

FIXES AND/OR NAVAIDS:**REMARKS:****FLIGHT INSPECTED BY:**

JAMES M MEEK

*Digitally signed by***BEV L BORDY**

Feb 22, 2017

OFFICE SYMBOL:

FICO

DATE:

02/21/2017

DEVELOPED BY:

DUSTIN DAVIDSON

DUSTIN RYAN DAVIDSON

Digitally signed by DUSTIN RYAN DAVIDSON
Date: 2017.01.10 15:54:00 -06'00'**OFFICE SYMBOL:**

AJV-5422

DATE:

11/30/2016

APPROVED BY:

JULIE MORGAN

*Digitally signed by***BEV L BORDY**

Feb 22, 2017

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:**A4A****ALPA****AOPA****APA****HAI****NBAA****OTHER:****CHANGES - REASONS:**

2/23/2017: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/06/2017.

1. CHANGED HIGHER ALTITUDE TO FILED ALTITUDE IN DP ROUTE DESCRIPTION

QUALITY
3
CHECKED

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

| <u>DP NAME</u> | | <u>NUMBER</u> | | <u>DP COMPUTER CODE</u> | | <u>SUPERSEDED NUMBER</u> | | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|---------------|--------------------------|
| MIKAA | | ONE | | MIKAA1.MIKAA | | NONE | | | 27 APR 2017 |
| <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> |
| RW02L (AER) | 334004.09N/1175225.79W | N | - | - | - | - | | | |
| 560 MSL | - | - | - | VA | 027.91 | - | | | CG 500 FT PER NM TO 1500 |
| LIION | 334359.63N/1174958.41W | Y | FB | DF | - | - | | | |
| CHOAK | 334520.01N/1174529.18W | Y | FB | TF | 070.31 | 3.97 | | | |
| JAABB | 334207.69N/1174245.98W | Y | FB | TF | 144.65 | 3.92 | | | |
| KLNCH | 333900.25N/1174357.93W | Y | FB | TF | 197.80 | 3.27 | | AT/BELOW 210K | |
| DOLLF | 332850.09N/1180007.24W | Y | FB | TF | 233.13 | 16.89 | | | |
| MIKAA | 332434.71N/1180847.34W | Y | FB | TF | 239.68 | 8.41 | | | |
| MIKAA | 332434.71N/1180847.34W | Y | - | IF | - | - | | | MIKAA1.HHERO |
| SNYPR | 332622.00N/1181800.10W | Y | FB | TF | 283.08 | 7.91 | | | |
| HHERO | 333116.96N/1182916.38W | Y | FB | TF | 297.55 | 10.63 | | | |

QUALITY
3
CHECKED