

**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SUPERSEDED NUMBER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>
LOUPE	FIVE	LOUPE5.BMRNG	FOUR	7/21/2016	25APR2019
<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"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 30L/R: CLIMB HEADING 305.82, AT SJC VOR/DME 1.8 DME NORTHWEST TURN RIGHT HEADING 090.00 TO INTERCEPT OAK R-120 TO BLNCH, THEN TURN RIGHT HEADING 180.00 FOR RADAR VECTORS TO SJC VOR/DME, THEN ON SJC R-340 TO BMRNG INT. MAINTAIN 5000, 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>
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**PROCEDURAL DATA NOTES:**

CHART NOTE: DO NOT TURN DIRECT SJC VOR/DME OR INTERCEPT SJC R-340 UNTIL INSTRUCTED TO DO SO BY ATC.  
NOTE: RADAR AND DME REQUIRED.

**TAKEOFF MINIMUMS:**

RWY 12L, 12R: NA - ATC.

RWY 30L: STANDARD WITH MINIMUM CLIMB OF 460 FT PER NM TO 4000.

RWY 30R: STANDARD WITH MINIMUM CLIMB OF 467 FT PER NM TO 4000.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

3034 FEET MSL TOWER 372916.55N/1215202.82W.

**LOST COMMUNICATIONS PROCEDURES:**

RUNWAYS 30L/R: IF NOT IN CONTACT WITH DEPARTURE CONTROL UPON REACHING BLNCH, DEPART BLNCH HEADING 180.00. WHEN ABLE TURN RIGHT DIRECT SJC VOR/DME, CROSS SJC VOR/DME AT OR ABOVE 12000, THEN ON SJC R-340 TO BMRNG INT BEFORE PROCEEDING ON COURSE.

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KSJC 13E EPOCH YR: 2020.

CHART: TOP ALTITUDE: 5000.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
NORMAN Y MINETA SAN JOSE INTL	SAN JOSE	CA

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON, TOWER, NORCAL TRACON

**FIXES AND/OR NAVAIDS:**

DEDHD, GRTFL, HRNER, MOGEE, ORRCA, SYRAH, TIPRE

**REMARKS:**

QUALITY  
3  
CHECKED

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<b>DP NAME</b>	<b>NUMBER</b>	<b>DP COMPUTER CODE</b>	<b>SUPERSEDED NUMBER</b>	<b>DATED</b>	<b>EFFECTIVE DATE</b>
LOUPE	FIVE	LOUPE5.BMRNG	FOUR	7/21/2016	<b>25APR2019</b>

**FLIGHT INSPECTED BY:**

GARY J VEER *Digitally signed by*  
**DAVID DANNER**  
Jan 24, 2019

**OFFICE SYMBOL:**

FICO

**DATE:**

1/18/19

**DEVELOPED BY:** *Digitally signed by*

RUSS ROSLEWSKI **RUSSELL ROSLEWSKI**  
Nov 13, 2018

**OFFICE SYMBOL:**

AJV-5421

**DATE:**

11/07/2018

**APPROVED BY:** *Digitally signed by*

JULIE MORGAN **DAVID DANNER**  
Jan 24, 2019

**OFFICE SYMBOL:**

AJV-5420

**DATE:****REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

NORCAL TRACON, ZOA, AIRPORT MANAGER

**CHANGES - REASONS:**

1. DP ROUTE DESCRIPTION, CHANGED HEADING 306 TO 305.82 - RUNWAY HEADING.
2. DP ROUTE DESCRIPTION, CHANGED HEADING AFTER 1.8 DME FROM 123 TO 090.00 AND ADDED OAK R-120, BLNCH, AND HEADING 180.00 - ATC REQUEST TO REDUCE EARLY TURNS TO BMRNG.
3. PROCEDURAL DATA NOTES, ADDED NOTE "DO NOT TURN DURECT SJC VOR/DME OR INTERCEPT SJC R-340 UNTIL INSTRUCTED TO DO SO BY ATC" - ATC REQUEST TO REDUCE EARLY TURNS TO BMRNG.
4. TAKEOFF MINIMUMS, RWY 30L AND RWY 30R, LOWERED CLIMB GRADIENT TERMINATION ALTITUDE FROM 5000 TO 4000 - OBSTACLE EVALUATION ONLY REQUIRES 4000.
5. TAKEOFF MINIMUMS, RWY 30L, DECREASED CLIMB GRADIENT FROM 470 FT PER NM TO 460 FT PER NM - OBSTACLE EVALUATION.
6. TAKEOFF MINIMUMS, RWY 30R, DECREASED CLIMB GRADIENT FROM 470 FT PER NM TO 467 FT PER NM - OBSTACLE EVALUATION.
7. REMOVED TAKEOFF OBSTACLE NOTES - CURRENT DOCUMENTATION POLICY.
8. UPDATED CONTROLLING OBSTACLE - CURRENT OBSTACLE EVALUATION.
9. REMOVED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT - NOT APPLICABLE TO SIDS.
10. LOST COMMUNICATIONS PROCEDURES, REMOVED REFERENCE TO 5000 FT AND ADDED HEADING 180 FOR THE CLIMB - PREVIOUS LOST-COMM INSTRUCTIONS DID NOT ALLOW ENOUGH DISTANCE FOR THE REQUIRED CROSSING ALTITUDE AT SJC VOR/DME.
11. ADDITIONAL FLIGHT DATA, ADDED REFERENCE MAG VAR - CURRENT DOCUMENTATION POLICY.

QUALITY  
3  
CHECKED