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 statue miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
SOUTHLAND	THREE	SOLN3.MOONY	TWO	07/21/2016	06/20/2019

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	☐	☐	☒	☐	☐

DP ROUTE DESCRIPTION:
TAKEOFF RWYS 14L/R: CLIMB ON NUQ R-140 TO MEPVE/NUQ 7.00 DME, THEN CLIMBING LEFT TURN ON HEADING 080.00 TO INTERCEPT OAK R-121 AT 5000, THEN ON OAK R-121 TO CROSS MOONY INT AT OR ABOVE 5300, THENCE...

TAKEOFF RWYS 32L/R: CLIMB ON NUQ R-321 TO EDOYE/NUQ 3.00 DME, THEN CLIMBING RIGHT TURN ON HEADING 090.00 TO INTERCEPT OAK R-121 AT 4100, THEN ON OAK R-121 TO CROSS NOCIP/OAK 29.00 DME AT 5000, THEN ON OAK R-121 TO CROSS MOONY INT AT OR ABOVE 5300, THENCE...

...ON (TRANSITION), MAINTAIN ATC ASSIGNED ALTITUDE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
AVE	SOLN3.AVE	MOONY INT	AVE VOR/DME	121.31 & 123.65 (OAK R-121 & AVE R-304)	118.09	12000	7500	
PXN	SOLN3.PXN	MOONY INT	FEXUV INT	107.83 (PXN R-288)	12.09	8000	5300	
		FEXUV	PXN VORTAC	107.83 (PXN R-288)	33.73	8000	6000	

PROCEDURAL DATA NOTES:
NOTE: TACAN REQUIRED

TAKEOFF MINIMUMS:
RWY 14L: STANDARD WITH MINIMUM CLIMB OF 364 FT PER NM TO 5000.
RWY 14R: STANDARD WITH MINIMUM CLIMB OF 363 FT PER NM TO 5000.
RWY 32L/R: STANDARD WITH MINIMUM CLIMB OF 487 FT PER NM TO 4000.

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

CONTROLLING OBSTACLES:
RWY 14L/R: 4413 FT MSL AAO 372030.00N/1213624.00W
RWY 32L/R: 3049 FT MSL TOWER 372956.77N/1215219.84W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
CHART: TOP ALTITUDE: ASSIGNED BY ATC.
CHART: J1.
REFERENCE MAG VAR: KNUQ 16E EPOCH YR: 1980

QUALITY 3 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 statue miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
SOUTHLAND	THREE	SOLN3.MOONY	TWO	07/21/2016	06/20/2019

AIRPORTS SERVED:

AIRPORT NAME	CITY	STATE
MOFFETT FEDERAL AFLD (KNUQ)	MOUNTAIN VIEW	CA

COMMUNICATIONS:

ASOS, ATIS, CLNC DEL, GND CON, MOFFETT TOWER, NORCAL DEP CON

FIXES AND/OR NAVAIDS:

CHART: SNS VORTAC R-346 TO MOONY AND R-011 TO FEXUV.

QUALITY 3 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 statue miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
SOUTHLAND	THREE	SOLN3.MOONY	TWO	07/21/2016	06/20/2019

REMARKS:
ABBREVIATED AMENDMENT

FLIGHT INSPECTED BY:	OFFICE SYMBOL:	DATE:
THOMAS E MOLOKIE	FICO	4/1/19

DEVELOPED BY:		OFFICE SYMBOL:	DATE:
RALPH DUMAR	*Digitally signed by* ***RALPH DUMAR*** Feb 11, 2019	AJV-A422	02/04/2019

APPROVED BY:	OFFICE SYMBOL:	DATE:
JULIE MORGAN	AJV-A420	

REQUIRED EFFECTIVE DATE:
06/20/2019 - RUNWAY CONSTRUCTION PROJECT

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
☐	☒	☒	☒	☐	☒

OTHER:
NORCAL APP CON

CHANGES - REASONS:
1. REMOVED ALL INSTANCES OF "VIA" WITH "ON" IN DP ROUTE DESCRIPTION.
2. MOVED "CROSS MOONY INT AT OR ABOVE 5300" FROM COMMON ROUTE DESCRIPTION TO RWY 14L/R AND RWY 32L/R DP ROUTE DESCRIPTION - MOONY IS PART OF BOTH DP ROUTE INSTRUCTIONS.
3. RWY 32L/R DEP: INCREASED OAK R-121 INTERCEPTION ALT FROM 4000 TO 4100 - NEW CG/CGTA OBS 3049 TOWER.
4. ADDED "MAINTAIN ATC ASSIGNED ALTITUDE" TO COMMON ROUTE DESCRIPTION - COINCIDES WITH ADDITION OF "TOP ALTITUDE: AS ASSIGNED BY ATC."
5. AVE TRANSITION: ADDED COURSE 123.65 FROM MOONY TO AVE VOR/DME - PER 8260.46G APPENDIX D SECTION 2 PARA 4E.
6. ADDED MOCA 5300 ON PXN TRANSITION BETWEEN MOONY AND FEXUV - PER 8260.4G APPENDIX D SECTION 2 PARA 4H.
7. TOP ALTITUDE: ASSIGNED BY ATC - PER ATC/FPT AND 8260.46G APPENDIX D SECTION 2 PARA. 10C.

QUALITY 3 CHECKED