

**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
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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SUPERSEDED NUMBER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>
ALMDN	FOUR	ALMDN4.ALMDN	THREE	7/21/2016	01FEB2018

<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 12L, 12R: CLIMB HEADING 125.81 TO 570, THEN DIRECT TO NEVSE, THEN ON TRACK 038.61/5.52 TO KIELY, THEN ON TRACK 347.75/6.50 TO CROSS ALMDN AT OR BELOW 12000. THENCE...

... ON (TRANSITION). MAINTAIN 15000 OR LOWER FILED ALTITUDE, EXPECT HIGHER 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>
HRNER	ALMDN4.HRNER	ALMDN	DEEII	TRACK 333.06	22.06	9600	6200	
			HRNER	TRACK 333.01	31.03	11000	6100	
MOGEE	ALMDN4.MOGEE	ALMDN	ROANA	TRACK 353.87	10.77	7300	6200	
			KAESS	TRACK 007.89	12.28	9800	4700	
			MOGEE	TRACK 007.89	32.67	11000	3400	
ORRCA	ALMDN4.ORRCA	ALMDN	ROANA	TRACK 353.87	10.77	7300	6200	
			AXXXX	TRACK 356.78	23.32	7300	4600	
			ORRCA	TRACK 356.82	25.82	11000	3100	
SYRAH	ALMDN4.SYRAH	ALMDN	ROANA	TRACK 353.87	10.77	7300	6200	
			SYRAH	TRACK 041.21	36.58	11000	5200	
TIPRE	ALMDN4.TIPRE	ALMDN	ROANA	TRACK 353.87	10.77	7300	6200	
			HNNLE	TRACK 030.76	14.88	10300	5100	
			TIPRE	TRACK 030.80	32.55	11000	2800	

PROCEDURAL DATA NOTES:

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



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TAKEOFF MINIMUMS:

RWY 12L, 12R: STANDARD WITH A MINIMUM CLIMB OF 500 FEET PER NM TO 2500.

RWY 30L, 30R: N/A ATC.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 12L, FENCE 156 FEET FROM DER, 57 FEET LEFT OF CENTERLINE, 14 FEET AGL/73 FEET MSL. OL ON BLAST FENCE, 156 FEET FROM DER, 57 FEET LEFT OF CENTERLINE, 73 FEET MSL. POLE 191 FEET FROM DER, 81 FEET LEFT OF CENTERLINE, 34 FEET AGL/93 FEET MSL. TREES BEGINNING 286 FEET FROM DER, 161 FEET RIGHT OF CENTERLINE, UP TO 107 FEET MSL. T-L TWR, POLE BEGINNING 466 FEET FROM DER, 228 FEET LEFT OF CENTERLINE, UP TO 46 FEET AGL/105 FEET MSL. TREE 1281 FEET FROM DER, 529 FEET LEFT OF CENTERLINE, 117 FEET MSL. T-L TWR 1731 FEET FROM DER, 729 FEET LEFT OF CENTERLINE, 86 FEET AGL/156 FEET MSL. TREE 1799 FEET FROM DER, 273 FEET LEFT OF CENTERLINE, 144 FEET MSL. TREE 1887 FEET FROM DER, 68 FEET RIGHT OF CENTERLINE, 124 FEET MSL. T-L TWR 3047 FEET FROM DER, 543 FEET LEFT OF CENTERLINE, 73 FEET AGL/147 FEET MSL. BUILDING 1.2 NM FROM DER, 630 FEET LEFT OF CENTERLINE, 170 FEET AGL/250 FEET MSL. BUILDING 1.3 NM FROM DER, 1051 FEET LEFT OF CENTERLINE, 265 FEET MSL. BUILDING 1.3 NM FROM DER, 445 FEET LEFT OF CENTERLINE, 217 FEET AGL/301 FEET MSL. BUILDING 1.3 NM FROM DER, 51 FEET LEFT OF CENTERLINE, 228 FEET AGL/309 FEET MSL. BUILDINGS BEGINNING 1.3 NM FROM DER, 81 FEET LEFT OF CENTERLINE, UP TO 312 FEET MSL. BUILDING 1.5 NM FROM DER, 975 FEET LEFT OF CENTERLINE, 262 FEET AGL/351 FEET MSL. BUILDING 1.5 NM FROM DER, 1591 FEET LEFT OF CENTERLINE, 268 FEET AGL/358 FEET MSL. BUILDINGS BEGINNING 1.5 NM FROM DER, 82 FEET LEFT OF CENTERLINE, UP TO 365 FEET MSL. BUILDINGS BEGINNING 1.6 NM FROM DER, 280 FEET RIGHT OF CENTERLINE, UP TO 346 FEET MSL. BUILDINGS BEGINNING 1.6 NM FROM DER, 350 FEET RIGHT OF CENTERLINE, UP TO 260 FEET AGL/350 FEET MSL. BUILDING 1.6 NM FROM DER, 1977 FEET LEFT OF CENTERLINE, 286 FEET AGL/368 FEET MSL. BUILDINGS BEGINNING 1.6 NM FROM DER, 640 FEET LEFT OF CENTERLINE, UP TO 274 FEET AGL/370 FEET MSL. BUILDING 1.9 NM FROM DER, 313 FEET RIGHT OF CENTERLINE, 284 FEET AGL/373 FEET MSL. BUILDING 1.9 NM FROM DER, 313 FEET RIGHT OF CENTERLINE, 284 FEET AGL/373 FEET MSL.

NOTE: RWY 12R, OL ON LOC 10 FEET FROM DER, ON CENTERLINE, 68 FEET MSL. OL ON BLAST FENCE 45 FEET FROM DER, 115 FEET RIGHT OF CENTERLINE, 75 FEET MSL. FENCE 45 FEET FROM DER, 115 FEET RIGHT OF CENTERLINE, 14 FEET AGL/75 FEET MSL. TREE 269 FEET FROM DER, 149 FEET RIGHT OF CENTERLINE, 100 FEET MSL. TREES, BEGINNING 285 FEET FROM DER, 193 FEET LEFT OF CENTERLINE, UP TO 107 FEET MSL. RD(I) 338 FEET FROM DER, 2 FEET RIGHT OF CENTERLINE, 82 FEET MSL. TREE, POLE BEGINNING 519 FEET FROM DER, 279 FEET RIGHT OF CENTERLINE, UP TO 122 FEET MSL. TREES BEGINNING 1798 FEET FROM DER, 631 FEET LEFT OF CENTERLINE, UP TO 144 FEET MSL. POLES BEGINNING 1948 FEET FROM DER, 688 FEET RIGHT OF CENTERLINE, UP TO 59 FEET AGL/128 FEET MSL. TREE 2604 FEET FROM DER, 551 FEET RIGHT OF CENTERLINE, 133 FEET MSL. T-L TWR 3046 FEET FROM DER, 1243 FEET LEFT OF CENTERLINE, 73 FEET AGL/147 FEET MSL. TREE 3079 FEET FROM DER, 873 FEET RIGHT OF CENTERLINE, 142 FEET MSL. BUILDING 1.3 NM FROM DER, 1145 FEET LEFT OF CENTERLINE, 217 FEET AGL/301 FEET MSL. BUILDING 1.3 NM FROM DER, 751 FEET LEFT OF CENTERLINE, 228 FEET AGL/309 FEET MSL. BUILDINGS BEGINNING 1.3 NM FROM DER, 781 FEET LEFT OF CENTERLINE, UP TO 312 FEET MSL. BUILDING 1.5 NM FROM DER, 1676 FEET LEFT OF CENTERLINE, 262 FEET AGL/351 FEET MSL. BUILDING 1.5 NM FROM DER, 2291 FEET LEFT OF CENTERLINE, 268 FEET AGL/358 FEET MSL. BUILDINGS BEGINNING 1.5 NM FROM DER, 134 FEET LEFT OF CENTERLINE, UP TO 365 FEET MSL. BUILDING 1.6 NM FROM DER, 2678 FEET LEFT OF CENTERLINE, 286 FEET AGL/368 FEET MSL. BUILDINGS BEGINNING 1.6 NM FROM DER, 1340 FEET LEFT OF CENTERLINE, UP TO 274 FEET AGL/370 FEET MSL. BUILDING 1.6 NM FROM DER, 345 FEET RIGHT OF CENTERLINE, 320 FEET MSL. BUILDING 1.9 NM FROM DER, 386 FEET LEFT OF CENTERLINE, 284 FEET AGL/373 FEET MSL. BUILDING 1.9 NM FROM DER, 417 FEET LEFT OF CENTERLINE, 281 FEET AGL/372 FEET MSL.

CONTROLLING OBSTACLES:

RWY 12L/R: 1863 FEET MSL TOWER (06-001630) 372144.00N/1214527.00W.

OBS MANDATING ODP ROUTE DEVELOPMENT: RWY 12L/R: 4521 FEET MSL AAO 372054.00N/1213748.00W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAGNETIC VARIATION: 13E/2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

DO NOT CHART MOCAS.

CHART: TOP ALTITUDE: 15000

AIRPORTS SERVED:

AIRPORT NAME

CITY

STATE



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ALMDN	FOUR	ALMDN4.ALMDN	THREE	7/21/2016	01FEB2018
NORMAN Y MINETA, SAN JOSE INTL, SAN JOSE			SAN JOSE		CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, ATCT, NORCAL DEP CON

FIXES AND/OR NAVAIDS:

REMARKS:

FLIGHT INSPECTED BY:

GARY J. VEER

Digitally signed by

ALLAN WILL

Nov 14, 2017

OFFICE SYMBOL:

FIOG

DATE:

11/08/2017

DEVELOPED BY:

STEVE BRUMMETT

Digitally signed by

STEVEN M BRUMMETT

Sep 15, 2017

OFFICE SYMBOL:

AJV-5413

DATE:

APPROVED BY:

GEORGE DAVIS

Digitally signed by

ALLAN WILL

Nov 14, 2017

OFFICE SYMBOL:

AJV-5410

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER:

NORCAL, AMGR

CHANGES - REASONS:

CHANGED TRANSITION ALTIITUDE FROM FL190 TO 15000 PER ATC/FPT REQUEST.



**FEDERAL AVIATION ADMINISTRATION
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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>				
ALMDN	FOUR	ALMDN4.ALMDN	THREE	7/21/2016	01FEB2018				
<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>
RW12L (AER)*	372220.25N/1215613.97W*	N	--	--	--	--			*DISPL THLD (1307.0 FT)
570 MSL		--	--	VA	138.81	--			CG 500 FT PER NM TO 2500
NEVSE	371730.06N/1215052.10W	Y	FB	DF	--	--			
KIELY	372055.74N/1214526.75W	Y	FB	TF	051.61	5.52			
ALMDN	372726.38N/1214520.30W	Y	FB	TF	000.75	6.50	AT/BELOW 12000		
RW12R (AER)*	372215.77N/1215620.57W*	N	--	--	--	--			*DISPL THLD (1297.0 FT)
570 MSL		--	--	VA	138.81	--			CG 500 FT PER NM TO 2500
NEVSE	371730.06N/1215052.10W	Y	FB	DF	--	--			
KIELY	372055.74N/1214526.75W	Y	FB	TF	051.61	5.52			
ALMDN	372726.38N/1214520.30W	Y	FB	TF	000.75	6.50	AT/BELOW 12000		
ALMDN	372726.38N/1214520.30W	Y	--	IF	--	--	AT/BELOW 12000		ALMDN4.HRNER
DEEII	374852.61N/1215202.75W	Y	FB	TF	346.06	22.06			
HRNER	381900.72N/1220134.71W	Y	FB	TF	346.01	31.03			
ALMDN	372726.38N/1214520.30W	Y	--	IF	--	--	AT/BELOW 12000		ALMDN4.MOGEE
ROANA	373808.63N/1214343.06W	Y	FB	TF	006.87	10.77			
KAESS	374937.86N/1213811.28W	Y	FB	TF	020.89	12.28			
MOGEE	382010.00N/1212323.00W	Y	FB	TF	020.89	32.67			
ALMDN	372726.38N/1214520.30W	Y	--	IF	--	--	AT/BELOW 12000		ALMDN4.ORRCA



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<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>
ROANA	373808.63N/1214343.06W	Y	FB	TF	006.87	10.77			
AXXXX	380109.18N/1213842.30W	Y	FB	TF	009.78	23.32			
ORRCA	382637.17N/1213305.84W	Y	FB	TF	009.82	25.82			
ALMDN	372726.38N/1214520.30W	Y	--	IF	--	--	AT/BELOW 12000		ALMDN4.SYRAH
ROANA	373808.63N/1214343.06W	Y	FB	TF	006.87	10.77			
SYRAH	375927.78N/1210611.12W	Y	FB	TF	054.21	36.58			
ALMDN	372726.38N/1214520.30W	Y	---	IF	--	--	AT/BELOW 12000		ALMDN4.TIPRE
ROANA	373808.63N/1214343.06W	Y	FB	TF	006.87	10.77			
HNNLE	374853.56N/1213043.76W	Y	FB	TF	043.76	14.88			
TIPRE	381221.00N/1210209.00W	Y	FB	TF	043.80	32.55			

