

**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SUPERSEDED NUMBER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>
SAYOW	ONE	SAYOW1.SAYOW	NONE		2 MARCH 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 9: CLIMB HEADING 094.99 TO 520, THEN DIRECT SAYOW AT/ABOVE 4900, THENCE...

...ON (TRANSITION) TURBOJETS MAINTAIN FL190, TURBOPROPS MAINTAIN 15000, 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>
IMPERIAL	SAYOW1.IPL	SAYOW	CHRJR	TRACK 066.40	7.14	4900		CHRJR AT/ABOVE 7200
		CHRJR	JUNOR	TRACK 066.45	15.81	7200		JUNOR AT/ABOVE 15000
		JUNOR	IPL VORTAC	TRACK 079.96	52.47	15000		
MTBAL	SAYOW1.MTBAL	SAYOW	LEGUE	TRACK 024.99	13.28	4900		LEGUE AT/ABOVE 10000
		LEGUE	JLI VORTAC	TRACK 026.00	20.73	10000		
		JLI VORTAC	NSHEE	TRACK 022.29	18.56	15000		
		NSHEE	MTBAL	TRACK 043.37	21.01	15000		

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV-1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: IF UNABLE ATC ALTITUDE RESTRICTION AT JUNOR, ADVISE ATC ON INITIAL CONTACT

TAKEOFF MINIMUMS:

RWY 9: 400-1 WITH MINIMUM CLIMB OF 610 FT PER NM TO 1900 OR STANDARD WITH MINIMUM CLIMB OF 687 FT PER NM TO 1900.

QUALITY
4
CHECKED

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SAYOW	ONE	SAYOW1.SAYOW	NONE		2 MARCH 2017

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 09, FENCE, TERRAIN, BEGINNING 14 FEET FROM DER, 67 FEET LEFT OF CENTERLINE, UP TO 14 FEET AGL/35 FEET MSL. POLE, BLDG, TERRAIN, FENCE, BEGINNING 21 FEET FROM DER, 8 FEET RIGHT OF CENTERLINE, UP TO 35 FEET AGL/50 FEET MSL. SIGN, TERRAIN, BEGINNING 268 FEET FROM DER, 137 FEET LEFT OF CENTERLINE, UP TO 50 FEET AGL/77 FEET MSL. TREE, BLDG, BEGINNING 781 FEET FROM DER, 265 FEET RIGHT OF CENTERLINE, UP TO 91 FEET MSL. BLDG, TERRAIN, BEGINNING 877 FEET FROM DER, 180 FEET LEFT OF CENTERLINE, UP TO 66 FEET AGL/106 FEET MSL. BLDG 1385 FEET FROM DER, 356 FEET RIGHT OF CENTERLINE, 55 FEET AGL/95 FEET MSL. ELEC SYS, TERRAIN, BEGINNING 1395 FEET FROM DER, 319 FEET LEFT OF CENTERLINE, UP TO 44 FEET AGL/138 FEET MSL. TREE, TERRAIN, BEGINNING 1822 FEET FROM DER, 561 FEET LEFT OF CENTERLINE, UP TO 196 FEET MSL. TREE 1857 FEET FROM DER, 45 FEET RIGHT OF CENTERLINE, 45 FEET AGL/144 FEET MSL. TREE, TERRAIN, BLDG, BEGINNING 2140 FEET FROM DER, 119 FEET LEFT OF CENTERLINE, UP TO 198 FEET MSL. BLDG, TERRAIN, BEGINNING 2596 FEET FROM DER, 101 FEET RIGHT OF CENTERLINE, UP TO 89 FEET AGL/158 FEET MSL. TREES, TERRAIN, BEGINNING 2681 FEET FROM DER, 190 FEET LEFT OF CENTERLINE, UP TO 215 FEET MSL. T-L TWR, TERRAIN, BLDG, POLE, TREE, BEGINNING 2948 FEET FROM DER, 40 FEET LEFT OF CENTERLINE, UP TO 67 FEET AGL/272 FEET MSL. TREE, TERRAIN, BLDG, BEGINNING 2965 FEET FROM DER, 30 FEET RIGHT OF CENTERLINE, UP TO 211 FEET MSL. BLDG, TERRAIN, BEGINNING 3857 FEET FROM DER, 39 FEET RIGHT OF CENTERLINE, UP TO 44 FEET AGL/216 FEET MSL. BLDG 4376 FEET FROM DER, 1295 FEET LEFT OF CENTERLINE, 117 FEET AGL/364 FEET MSL. BLDG, TERRAIN, BEGINNING 4410 FEET FROM DER, 322 FEET LEFT OF CENTERLINE, UP TO 128 FEET AGL/389 FEET MSL. BLDG, BEGINNING 4433 FEET FROM DER, 1207 FEET RIGHT OF CENTERLINE, UP TO 165 FEET AGL/296 FEET MSL. ANT ON OL BLDG 4460 FEET FROM DER, 1482 FEET LEFT OF CENTERLINE, 403 FEET MSL. TERRAIN, BLDG, TREE, POLE, BEGINNING 4510 FEET FROM DER, 213 FEET LEFT OF CENTERLINE, UP TO 132 FEET MSL. TREE, BLDG, BEGINNING 5159 FEET FROM DER, 325 FEET RIGHT OF CENTERLINE, UP TO 113 FEET AGL/301 FEET MSL. BLDG 6023 FEET FROM DER, 1934 FEET RIGHT OF CENTERLINE, 224 FEET AGL/370 FEET MSL. BLDG 1 NM FROM DER, 1543 FEET RIGHT OF CENTERLINE, 234 FEET AGL/372 FEET MSL. BLDG, TREE, BEGINNING 1 NM FROM DER, 21 FEET RIGHT OF CENTERLINE, UP TO 287 FEET AGL/401 FEET MSL. MONUMENT 1.3 NM FROM DER, 1339 FEET LEFT OF CENTERLINE, 53 FEET AGL/310 FEET MSL. POLE 1.3 NM FROM DER, 1721 FEET LEFT OF CENTERLINE, 35 FEET AGL/306 FEET MSL. STACK, TREE, BEGINNING 1.4 NM FROM DER, 501 FEET LEFT OF CENTERLINE, UP TO 170 FEET AGL/374 FEET MSL. TREE 1.9 NM FROM DER, 490 FEET LEFT OF CENTERLINE, 330 FEET MSL.

CONTROLLING OBSTACLES:

RWY 9: 272 FT MSL TOWER (06-027479) 324348.73N/1170953.75W (CLIMB GRADIENT), 403 FT MSL ANTENNA (KSAN0139) 324349.95N/1170934.93W (CEILING), 388 FT MSL TREE (KSANT000081) 324341.29N/1170732.38W (VISIBILITY). 2765 FT MSL AAO 324146.95N/1165610.61W (CG TERM ALT).

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

REFERENCE MAG VAR: KSAN 11E EPOCH YR: 2020

DME/DME ASSESSMENT SAT: RNP (2.0)

CHART: TOP ALTITUDE: (JETS) FL190/(TURBOPROPS) 15000

DO NOT CHART MOCAS.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
SAN DIEGO INTL	SAN DIEGO	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, LINDBERGH TOWER, SOCAL DEP CON (EAST)

FIXES AND/OR NAVAIDS:**REMARKS:**

LETTER OF APPROVAL ON FILE FOR 400 - 1 WITH A MINIMUM CLIMB OF 610 FEET PER NM, AND STANDARD WITH MINIMUM CLIMB GRADIENT OF 687 FEET PER NM.



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SAYOW	ONE	SAYOW1.SAYOW	NONE		2 MARCH 2017

FLIGHT INSPECTED BY:

THOMAS E MOLOKIE

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

Dec 21, 2016

OFFICE SYMBOL:

FIOG

DATE:

12/20/2016

DEVELOPED BY:

RONALD O. SALPINO

*Digitally signed by***RONALD SALPINO**

Nov 04, 2016

OFFICE SYMBOL:

AJV-5433

DATE:

07/27/2016

APPROVED BY:

LONNIE EVERHART

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

Dec 21, 2016

OFFICE SYMBOL:

AJV-5430

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

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

ZLA, SAN TRACON, ATCT, AMGR, WESTERN FPT

CHANGES - REASONS:

ORIGINAL PROCEDURE.

12/20/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 7/27/16.

1. ADDED DO NOT CHART MOCAS TO ADDITIONAL FLIGHT DATA.

QUALITY
4
CHECKED

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
SAYOW							ONE	SAYOW1.SAYOW	NONE		2 MARCH 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW09 (AER)*	324411.73N/1171207.80W*	N	-	-	-	-				*DISPL THLD (700.00 FT)	
520 MSL	-	-	-	VA	105.99	-				400-1 WITH MINIMUM CLIMB OF 610 FT/NM TO 1900 OR STANDARD WITH MINIMUM FLIMB OF 687 FT/NM TO 1900	
SAYOW	324105.53N/1165916.67W	Y	FB	DF	-	-	AT/ABOVE 4900				
SAYOW	324105.53N/1165916.67W	Y	-	IF	-	-	AT/ABOVE 4900		SAYOW1.IPL		
CHRRJR	324238.90N/1165101.00W	Y	FB	TF	077.40	7.14	AT/ABOVE 7200				
JUNOR	324604.05N/1163243.12W	Y	FB	TF	077.45	15.81	AT/ABOVE 15000				
IPL VORTAC	324455.92N/1153030.90W	Y	FB	TF	090.96	52.47					
SAYOW	324105.53N/1165916.67W	Y	-	IF	-	-	AT/ABOVE 4900		SAYOW1.MTBAL		
LEGUE	325151.00N/1165001.00W	Y	FB	TF	035.99	13.28	AT/ABOVE 10000				
JLI VORTAC	330825.65N/1163509.37W	Y	FB	TF	037.00	20.73					
NSHEE	332357.70N/1162259.20W	Y	FB	TF	033.29	18.56					
MTBAL	333611.93N/1160232.30W	Y	FB	TF	054.37	21.01					

QUALITY
4
CHECKED