

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BORDER	SEVEN	BRDR7.BROWS	SIX	20 SEP 12	20 AUG 2015

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB ON HEADING 093.00 TO INTERCEPT MZB VORTAC R-096 TO BROWS INT. THENCE ...  
TAKEOFF RWY 27: CLIMB ON HEADING 278.00 UNTIL PGY 19 DME, THEN LEFT TURN ON HEADING 123 TO INTERCEPT PGY VORTAC R-260 AND R-069 TO BROWS INT. THENCE...  
... (TRANSITION) OR (ASSIGNED ROUTE). MAINTAIN ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE/ FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes		From		Distance	MEA	MOCA	Crossing Altitudes/Fixes
	BRDR7.IPL	BROWS INT	FIX/NAVAID	To FIX/NAVAID				
IMPERIAL	BRDR7.IPL	BROWS INT		IPL VORTAC	64.26	7000	6100	
JULIAN	BRDR7.JLI	BROWS INT		JLI VORTAC	31.89	8500	7800	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 9, 400-1 WITH MINIMUM CLIMB OF 610 FT PER NM TO 1900 OR STANDARD WITH MINIMUM CLIMB OF 686 FT PER NM TO 1900.  
TAKEOFF MINIMUMS: RWY 27, 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 353 FT PER NM TO 400.  
NOTE: RWY 9 RADAR REQUIRED  
NOTE: RWY 27 DME REQUIRED.



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TAKEOFF OBSTACLES NOTES:

NOTE: RWY 9, OBSTRUCTION LIGHT, SIGN, AND TREES BEGINNING 14 FT FROM DER, 258 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/77 FT MSL. ANTENNA ON BUILDING, POLE, AND LIGHTED BARRIER BEGINNING 18 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/50 FT MSL. OBSTRUCTION LIGHT ON LOCALIZER 272 FT FROM DER, ON CENTERLINE, 19 FT AGL/38 FT MSL. VENT ON BUILDING, MULTIPLE BUILDINGS, AND TREES BEGINNING 741 FT FROM DER, 104 FT RIGHT OF CENTERLINE, UP TO 173 FT AGL/317 FT MSL. ELECTRICAL SYSTEM, POLE, MULTIPLE ANTENNAS ON LIGHTED BUILDINGS, AND TREES BEGINNING 792 FT FROM DER, 135 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/138 FT MSL. BUILDINGS AND TREES BEGINNING 5834 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 280 FT AGL/394 FT MSL. LIGHTED STACK, POLES AND TREES BEGINNING 1 NM FROM DER, 492 FT LEFT OF CENTERLINE, UP TO 132 FT AGL/419 FT MSL.

NOTE: RWY 27, FENCE 89 FT FROM DER, 337 FT LEFT OF CENTERLINE, 6 FT AGL/16 FT MSL. LT POLE 192 FT FROM DER, 347 FT RIGHT OF CENTERLINE, 17 FT AGL/30 FT MSL. OL ON DME 284 FT FROM DER, 317 FT LEFT OF CENTERLINE, 18 FT AGL/28 FT MSL. TREE 754 FT FROM DER, 156 FT RIGHT OF CENTERLINE, 44 FT AGL/54 FT MSL. TREE 1021 FT FROM DER, 620 FT RIGHT OF CENTERLINE, 58 FT AGL/71 FT MSL. OL ON FLGPL 2515 FT FROM DER, 707 FT LEFT OF CENTERLINE, 98 FT AGL/118 FT MSL. TREE 2594 FT FROM DER, 353 FT RIGHT OF CENTERLINE, 90 FT AGL/107 FT MSL. TREE 3197 FT FORM DER, 410 FT RIGHT OF CENTERLINE, 91 FT AGL/111 FT MSL. TREE 3316 FT FROM DER, 130 FT RIGHT OF CENTERLINE, 100 FT AGL/120 FT MSL. TREE 3494 FT FROM DER, 947 FT RIGHT OF CENTERLINE, 129 FT AGL/169 FT MSL. TOWER 3675 FT FROM DER, 14 FT RIGHT OF CENTERLINE, 60 FT AGL/115 FT MSL. TREE 5046 FT FROM DER, 1446 FT LEFT OF CENTERLINE, 96 FT AGL/235 FT MSL. TREE 5416 FT FROM DER, 95 FT RIGHT OF CENTERLINE, 44 FT AGL/184 FT MSL. TREE 5448 FT FROM DER, 386 FT LEFT OF CENTERLINE, 67 FT AGL/213 FT MSL. TREE 5703 FT FROM DER, 272 FT RIGHT OF CENTERLINE, 65 AGL/208 FT MSL. TREE 5728 FT FROM DER, 479 FT RIGHT OF CENTERLINE, 47 FT AGL/188 FT MSL. TREE 5914 FT FROM DER, 294 FT LEFT OF CENTERLINE, 54 FT AGL/218 FT MSL. TREE 5973 FT FROM DER, 7 FT LEFT OF CENTERLINE, 58 FT AGL/218 FT MSL. BLDG 1.0 NM FROM DER, 2084 FT RIGHT OF CENTERLINE, 23 FT AGL/178 FT MSL. BLDG LT 1.1 NM FROM DER, 257 FT RIGHT OF CENTERLINE, 40 FT AGL/238 FT MSL.

CONTROLLING OBSTACLES:

RWY 9: 272 FT MSL POLE 324348.70N/1170953.70W, 403 FT MSL ANTENNA 324349.95N/1170934.93W, 2765 FT MSL AAO 324146.95N/1165610.61W, 317 FT MSL TREE 324332.29N/1170932.15W.  
RWY 27: 169 FT MSL TREE 324432.18W/1171251.95W, 339 FT MSL TREE 324422.95N/1171419.48W, 379 FT MSL TREE 324411.85N/1171433.22W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART COP: PGY R-069/25 AND IPL R-250/50. CHART V317 BETWEEN BROWS AND IPL VORTAC.  
CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORTS SERVED:

SAN DIEGO INTL  
SAN DIEGO, CA

COMMUNICATIONS:

ATIS. CLNC DEL. GND CON. LINDBERGH TWR. SOCAL DEP CON.



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FIXES AND/OR NAVAIDS:

REMARKS:

CHANGES:

- 1. CHANGED RWY 9 INITIAL HEADING FROM 090 TO 093 AND RWY 27 HEADING FROM 275 TO 278 AND HEADING 120 TO 123.
- 2. UPDATED RWY 27 TAKEOFF OBSTACLES

REASONS:

- 1. AIRPORT MAGVAR CHANGED FROM E14 TO E11.
- 2. OBSTACLES UPDATED IN THE DATA BASE.



DEPARTURE (DATA RECORD)

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ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW09		010		VI		FB		093.0 ( )			
	RW09	BROWS	020		CF		FB		096.0 ( )	007.0		
	RW27		010		VD		FB		278.0 ( )	019.0		
	RW27		020		VI	L	FB		123.0 ( )			
	RW27	PGY	030		CF		FB		080.0 ( )	012.0		
	RW27	BROWS	040		TF		FB					
	IPL	BROWS	010		IF		FB					
	IPL	IPL	020		TF		FB					
	JLI	BROWS	010		IF		FB					
	JLI	JLI	020		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	IPL			N324455.92		W1153030.90		N3244.932		W11530.515		
	JLI			N330825.65		W1163509.37		N3308.428		W11635.156		
	MZB			N324655.93		W1171331.49		N3246.932		W11713.525		
	PGY			N323637.22		W1165844.69		N3236.620		W11658.745		
	BROWS			N323752.02		W1164611.71		N3237.867		W11646.195		
	RW09			N324410.92		W1171204.43		N3244.182		W11712.074		
	RW27			N324352.94		W1171050.26		N3243.882		W11710.838		

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	00016	55
RW27	00015	65

