

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GAP	FIVE	GAPP5.GAP	FOUR	09/20/2012	15 Nov 2012

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1L/R: CLIMB ON SFO R-350 (OR AS ASSIGNED) FOR VECTOR TO ASSIGNED ROUTE/FIX. THENCE...

TAKEOFF RWY 10L/R AND 19 L/R: TURN LEFT AND CLIMB ON THE SFO R-090 AND OSI R-028 TO OSI VORTAC; EXPECT VECTOR TO ASSIGNED ROUTE/FIX AFTER OSI VORTAC. THENCE...

TAKEOFF RWY 28L/R: CLIMB ON THE SFO VOR/DME R-281 TO NORMM INT/SFO VOR/DME 12.90 DME; EXPECT VECTOR TO ASSIGNED ROUTE/FIX AFTER NORMM INT. THENCE...

...EXPECT FURTHER CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RWY 19L: STANDARD WITH MINIMUM CLIMB OF 566 FT PER NM TO 1100 FT. RWY 19R: STANDARD WITH MINIMUM CLIMB OF 541 FT PER NM TO 1100 FT. RWY 28L: STANDARD WITH MINIMUM CLIMB OF 379 FT PER NM TO 2000 FT. RWY 28R: STANDARD WITH MINIMUM CLIMB OF 326 FT PER NM TO 2000 FT. NOTE: RADAR REQUIRED. NOTE: RWYS 19L/R DEPARTURES TURN LEFT DUE TO STEEPLY RISING TERRAIN TO 2000 FT IMMEDIATELY SOUTH OF AIRPORT.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 1L, SIGN, FENCE BEGINNING 169 FT FROM DER, 226 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/14 FT MSL. OBSTRUCTION LIGHT ON LEVEE AND FENCE BEGINNING 209 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/14 FT MSL.

NOTE: RWY 1R, FENCE 3 FT FROM DER, 329 FT LEFT OF CENTERLINE, 7 FT AGL/13 FT MSL. TERRAIN 62 FT FROM DER, 330 FT LEFT OF CENTERLINE, 12 FT MSL. TERRAIN 91 FT FROM DER, 515 FT RIGHT OF CENTERLINE, 14 FT MSL.

NOTE: RWY 10L, SIGN 62 FT FROM DER, 300 FT LEFT OF CENTERLINE, 4 FT AGL/15 FT MSL. BUILDING AND ROD ON BUILDING BEGINNING 257 FT FROM DER, 560 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/24 FT MSL.

NOTE: RWY 19L, FENCE BEGINNING 55 FT FROM DER, 462 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/15 FT MSL. SIGN 4 FT FROM DER, 168 FT RIGHT OF CENTERLINE, 5 FT AGL/12 FT MSL. MULTIPLE POLES BEGINNING 754 FT FROM DER, 47 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/48 FT MSL. MULTIPLE POLES AND A SIGN BEGINNING 873 FT FROM DER, 337 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/38 FT MSL. MULTIPLE BUILDINGS, TRANSMISSION TOWERS, POLES, TREES, SIGN, ELECTRICAL SYSTEM BEGINNING 1078 FT FROM DER, 12 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/127 FT MSL. MULTIPLE BUILDINGS, TRANSMISSION TOWERS, POLES, TREES, SIGN, ELECTRICAL SYSTEM BEGINNING 194 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/128 FT MSL. MULTIPLE BUILDINGS, TREES BEGINNING 4027 FT FROM DER, 152 FT RIGHT OF CENTERLINE UP TO 100 FT AGL/167 FT MSL.

NOTE: RWY 19R, MULTIPLE POLES, TREES, ELECTRICAL SYSTEM BEGINNING 898 FT FROM DER, 82 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/60 FT MSL. MULTIPLE TRANSMISSION TOWERS, TREES BEGINNING 1638 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/96 FT MSL. MULTIPLE TRANSMISSION TOWERS, TREES BEGINNING 1851 FT FROM DER, 16 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/85 FT MSL.

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NOTE: RWY 28L, SIGN 19 FT FROM DER, 500 FT RIGHT OF CENTERLINE, 5 FT AGL/9 FT MSL. OBSTRUCTION LIGHTS ON DME BEGINNING 277 FT FROM DER, 162 FT LEFT OF CENTERLINE, UP TO 16 FT AGL/26 FT MSL. OBSTRUCTION LIGHT ON LOCALIZER BEGINNING ON CENTERLINE UP TO 10 FT AGL/17 FT MSL. MULTIPLE POLES, ELECTRICAL SYSTEM BEGINNING 824 FT FROM DER, 300 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/56 FT MSL. MULTIPLE BUILDINGS, TRANSMISSION TOWERS, TANK AND POLE BEGINNING 1305 FT FROM DER, 370 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/103 FT MSL.

NOTE: RWY 28R, MULTIPLE SIGNS BEGINNING 23 FT FROM DER, 140 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/10 FT MSL. TERRAIN BEGINNING 58 FT FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 10 FT MSL. SIGN, 63 FT FROM DER, 250 FT LEFT OF CENTERLINE 5 FT AGL/8 FT MSL. TERRAIN BEGINNING 130 FT FROM DER, 235 FT LEFT OF CENTERLINE UP TO 10 FT MSL. ANTENNA ON BUILDING, OBSTRUCTION LIGHT ON DME, TREE, BEGINNING 556 FT FROM DER, 268 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/43 FT MSL. MULTIPLE POLES BEGINNING 918 FT FROM DER, 598 FT LEFT OF CENTERLINE, UP TO 22 FT AGL/35 FT MSL. MULTIPLE BUILDINGS, TREES BEGINNING 1467 FT FROM DER, 683 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/68 FT MSL. MULTIPLE BUILDINGS, TRANSMISSION TOWERS, TREES AND ELECTRICAL SYSTEM BEGINNING 1826 FT FROM DER, 123 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/103 FT MSL.

CONTROLLING OBSTACLES:

RWY 19L/R: 719 FT MSL AAO 373502.00N/1222400.00W; RWY 28R: 874 FT MSL AAO 373908.90N/1222745.75W; RWY 28L: 924 FT MSL AAO 373815.69N/1222749.98W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

SAN FRANCISCO INTL

SAN FRANCISCO, CA

COMMUNICATIONS:

ATIS, GND CON, SAN FRANCISCO TOWER, NORCAL DEP CON.

FIXES AND/OR NAVAIDS:

CHART: ENI VORTAC, OAK VORTAC, OSI VORTAC, SAU VORTAC, SGD VORTAC, NORMM, BARTN, ALCOA, BEBOP WAYPOINT.

REMARKS:

CHART: 234 TRACK FROM ALCOA R-463, AND 235 TRACK FROM BEBOP R-464.