DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 093° to intercept MZB VORTAC R-096 to BROWS INT. Thence, . . .

TAKEOFF RUNWAY 27: Climb on heading 278° 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.

IMPERIAL TRANSITION (BRDR7.IPL): From over BROWS INT on PGY R-069 and IPL R-250 to IPL VORTAC.

JULIAN TRANSITION (BRDR7.JUL): From over BROWS INT on JLI R-182 to JLI VORTAC.

TOP ALTITUDE: ASSIGNED BY ATC

TAKEOFF MINIMUMS
Rwy 9: 400-1 with minimum climb of 610’ per NM to 1900 or standard with minimum climb of 686’ per NM to 1900.

Rwy 27: 400-2½ or standard with minimum climb of 353’ per NM to 400.

NOTE: Rwy 9 - RADAR required.
NOTE: Rwy 27 - DME required.

NOTE: Chart not to scale.
CWARD TWO DEPARTURE (RNAV)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 27: Climb heading 275° to 520, then right turn direct WNFLD, then on track 296° to cross GYWNN at or above 6000, then on track 308° to PADRZ, then on track 337° to cross CWARD at or below 12000, thence . . . .

. . . . on transition. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

LOS ANGELES TRANSITION (CWARD2.LAX)
SEAL BEACH TRANSITION (CWARD2.SU)

NOTE: Chart not to scale.

NOTE: Radar required.
NOTE: RNAV 1.
NOTE: GPS or DME/DME/IRU required.
NOTE: Turbojet and turboprop only.
NOTE: Tower En Route control only.

CWARD, 12000

NOTE: 500' per NM to 3000.

Rwy 27: 400-2½ or standard with minimum climb of 500' per NM to 3000.
Rwy 9: NA-ATC.

TOP ALTITUDE: AS ASSIGNED BY ATC

LOS ANGELES TRANSITION (CWARD2.LAX)
SEAL BEACH TRANSITION (CWARD2.SU)
**TAKING OFF RUNWAY 9:** Climb heading 095° to 4000, then left turn direct BAUCA, then on track 307° to ECHHO, thence.

**TAKING OFF RUNWAY 27:** Climb heading 275° to 520, then right turn direct LANDN, then on track 330° to ECHHO, thence.

...on (transition), maintain 15000. Expect filed altitude 10 minutes after departure.

**IKAYE TRANSITION (ECHHO2.IKAYE)**

**SEAL BEACH TRANSITION (ECHHO2.SLI)**
NOTE: RADAR required.

NOTE: Aircraft filed at or below 13000 expect clearance via SLI or SXC TRANSITION.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb heading 095° to 4000, then left turn on heading 278° to intercept MZB R-314 to MAFAN INT. Thence . . .

TAKEOFF RUNWAY 27: Climbing right turn on heading 293° to intercept OCN R-155 to CLSTR INT. Cross CLSTR INT at or below 4000, then on OCN R-155 and MZB R-314 to MAFAN INT. Thence . . .

. . . cross MAFAN INT at or above 8000, then on MZB R-314 to FALCC INT. Then (transition) or (assigned route). Maintain assigned altitude.

SANTA CATALINA TRANSITION (FALCC1.SXC): From over FALCC INT on SXC R-084 to SXC VORTAC.

SEAL BEACH TRANSITION (FALCC1.SLI): From over FALCC INT on SLI R-127 to SLI VORTAC.

NOTE: Chart not to scale.
**DEPARTURE ROUTE DESCRIPTION**

**TAKEOFF RUNWAY 9:** Climb heading 095° to 4000, then left turn direct BAUCA, then on track 307° to ECHHO, then on track 308° to cross GOFUR at or above 15000, then on track 306° to cross MMOTO at or below FL190, thence . . .

**TAKEOFF RUNWAY 27:** Climb heading 275° to 520, then right turn direct LANDN, then on track 330° to ECHHO, then on track 308° to cross GOFUR at or above 15000, then on track 306° to cross MMOTO at or below FL190, thence . . .

. . . . (transition) maintain altitude assigned by ATC, expect filed altitude 10 minutes after departure.

**DINTY TRANSITION (MMOTO2.DINTY)**

**MALIT TRANSITION (MMOTO2.MALIT)**

**NOTE:** Chart not to scale.

**TOP ALTITUDE:**
**ASSIGNED BY ATC**

125.3 290.4 (WEST)

124.35 279.625 (EAST)

118.3 338.225

LINDBERGH TOWER

123.9

SOCAL DEP CON

14000

14000

14000

MMOTO

262°

269°

269°

SANTA CATALINA

SXC

MMOTO FL190

GOFUR 15000

ECHHO

LANDN

BAUCA

NOTE: Chart not to scale.

NOTE: Radar required.

NOTE: RNAV 1.

NOTE: GPS required.

NOTE: If unable altitude restriction at GOFUR, advise ATC on initial contact.

NOTE: DINTY transition ATC only.
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 27: Climb heading 275° to 520, then right turn direct WNFLD, then on track 296° to KERNL, then on track 296° to cross GYWNN at or above 8000, then on track 308° to PADRZ, thence . . .

. . . on (transition). Maintain 15000. Expect higher altitude 10 minutes after departure.

CHKNN TRANSITION (PADRZ2.CHKNN)
DINTY TRANSITION (PADRZ2.DINTY)
IKAYE TRANSITION (PADRZ2.IKAYE)
MALIT TRANSITION (PADRZ2.MALIT)
OROSZ TRANSITION (PADRZ2.OROSZ)
SHAFTER TRANSITION (PADRZ2.EHF)

NOTE: Chart not to scale.

TOP ALTITUDE: 15000

TAKEOFF MINIMUMS

Rwy 9: NA-ATC.
Rwy 27: 400-2½ or standard with minimum climb of 353’ per NM to 3000.

NOTE: RNAV 1.
NOTE: RADAR required.
NOTE: Turbojets and turboprops only.
NOTE: CHKNN, SHAFTER, IKAYE, OROSZ TRANSITIONS: DME/DME/IRU or GPS required.
NOTE: DINTY, MALIT TRANSITIONS: GPS only.
NOTE: For non-GPS equipped aircraft, Oceanside (OCN) must be operational.
NOTE: DINTY TRANSITION ATC assigned only.
NOTE: DINTY and MALIT TRANSITIONS NA from SEE, SDM and RNM airports.
**DEPARTURE ROUTE DESCRIPTION**

**TAKEOFF RUNWAY 27:** Climbing right turn heading 293° until crossing OCN VORTAC R-170, then turn right heading 318° to intercept MZB VORTAC R-293 to cross MELDY INT/MZB 30 DME at or above 14000 (or lower ATC assigned altitude) then on MZB R-293 to PEBLE INT/MZB 39 DME, thence. . . .

. . . . via (transition) or (assigned route). Maintain assigned altitude.

**SANTA CATALINA TRANSITION (PEBLE6.SXC):** From over PEBLE INT on SXC R-096 to SXC VORTAC.

**SEAL BEACH TRANSITION (PEBLE6.SLI):** From over PEBLE INT on SLI R-148 to SLI VORTAC.

**NOTE:** Chart not to scale.
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb heading 095° to 520, then direct to cross SAYOW at or above 4900, thence . . . .

. . . . on (transition) jets maintain FL190, turboprops maintain 15000, expect filed altitude 10 minutes after departure.

IMPERIAL TRANSITION (SAYOW2.IPL)

MTBAL TRANSITION (SAYOW2.MTBAL)
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 27: Climb heading 275° to 520 then direct to cross JETTI at or below 12000, then left turn direct ZZOOO, thence....

.... on (transition). Turboprops maintain FL230, turboprops maintain 15000, expect filed altitude 10 minutes after departure.

CENZA TRANSITION (ZZOOO2.CENZA)

IMPERIAL TRANSITION (ZZOOO2.IPL)

MTBAL TRANSITION (ZZOOO2.MTBAL)

TAKEOFF MINIMUMS
Rwy 27: Standard with minimum climb of 500’ per NM to 520.

NOTE: Chart not to scale.

SW-3, 10 OCT 2019 to 07 NOV 2019