NOTE: Turbojet aircraft only.
NOTE: RADAR required.
NOTE: When SAN arrivals are using Rwy 9, aircraft can expect to depart and re-enter the TCA southwest of PGY VORTAC.

TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
TNP, EED and PKE transitions
expect FL240 at SALTN
expect 12000 at CARUL

LOCALIZER 111.55
I-SAN
Chan 52 (Y)

MISSION BAY 117.8 MZB
Chan 125

LOCALIZER 110.9
I-UBR
Chan 46

BARET 114.2 TNP
Chan 89
N34°06.73'-W115°46.19'

TWENTYNINE PALMS 114.2 TNP
Chan 89
N34°06.73'-W115°46.19'

THERMAL 116.2 TRM
Chan 87

CARUL N32°36.56'
W116°38.13'

SALTN N33°22.75'
W116°10.70'

JULIAN 114.0 JUL
Chan 87

PARKER 117.9 PKE
Chan 126
N34°06.12'
W114°40.92'

IF HE J N32°39.60'
W116°53.28'

FHEG N32°46.22'
W116°28.11'

ILS

IF SOS N32°41.70'
W117°23.03'

BARET FIVE ARRIVAL 08JAN15

NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

IMPERIAL TRANSITION (IPL.BARET5): From over IPL VORTAC on IPL R-258 and MZB R-076 to BARET INT. Thence . . . .

NEEDLES TRANSITION (EED.BARET5): From over EED VORTAC on EED R-208 to SHADI INT, then on JLI R-040 to SALTN INT, then on PGY R-027 to CARUL INT, then on JLI R-177 to BARET INT. Thence . . . .

PARKER TRANSITION (PKE.BARET5): From over PKE VORTAC on PKE R-227 to SHADI INT, then on JLI R-040 to SALTN INT, then on PGY R-027 to CARUL INT, then on JLI R-177 to BARET INT. Thence . . . .

TWENTYNINE PALMS TRANSITION (TNP.BARET5): From over TNP VORTAC on TNP R-179 to MOMAR INT, then on JLI R-040 to SALTN INT, then on PGY R-027 to CARUL INT, then on JLI R-177 to BARET INT. Thence . . . .

. . . LANDING SAN RWY 9: From BARET INT on PGY R-043 to PGY VORTAC, then on PGY R-270 to IFSOX, then on OCN R-162 to SARSG INT. Expect ILS Rwy 9 approach to SAN or LOC/DME-B to NZY.

. . . LANDING SAN RWY 27 and NZY: From BARET INT on PGY R-043 to IFHEJ, then on I-UBR localizer to VYDDA INT. Expect LOC Rwy 27 approach to SAN or LOC/DME-A to NZY.

LOST COMMUNICATIONS: In the event of lost communications, North Island arrivals shall execute the TACAN Rwy 29 or TACAN Rwy 36.
ARRIVAL ROUTE DESCRIPTION

HUULK TRANSITION (HUULK.COMIX2)
LOS ANGELES TRANSITION (LAX.COMIX2)
SANTA CATALINA TRANSITION (SXC.COMIX2)

From COMIX on track 134° to FLSHH, then on track 134° to cross LNTRN at or above 9000 and at 230K, then on track 134° to cross XMANS at or above 7000, then on track 094° to cross KLOMN at 6000 and at 210K, then on track 104° to cross NADDO at 6000, then on heading 095° or as assigned by ATC. Expect RADAR vectors to final approach course.

NOTE: Turbojet and turboprop aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

LOS ANGELES TRANSITION (LAX.HUBRD1): From over LAX VORTAC on LAX R-118 to OTISS INT, then on LAX R-118 to HUBRD INT. Thence . . . .

SANTA CATALINA TRANSITION (SXC.HUBRD1): From over SXC VORTAC on SXC R-084 to HUBRD INT. Thence . . . .

. . . From over HUBRD INT via LAX R-118 to CARDI FIX via MZB R-320 to TORIE FIX. Expect vector to final approach course.

NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

HOUGGZ TRANSITION (HOUGGZ.LUCKI1)
IMPERIAL TRANSITION (IPL.LUCKI1)
LEVEL TRANSITION (LEVEL.LUCKI1)
MOMAR TRANSITION (MOMAR.LUCKI1)
PARKER TRANSITION (PKE.LUCKI1)
TRUE TRANSITION (TRUE.LUCKI1)

From LUCKI on track 239° to cross LYNDI at or above 5000 and at 210K. Expect RNAV (GPS) RWY 27 or LOC RWY 27 approach.

LOST COMMUNICATIONS: In the event of lost communication: join the San Diego RNAV (GPS) RWY 27 approach at LYNDI. If unable, proceed direct VYDDA and join the San Diego LOC RWY 27 approach.

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: IPL transition ATC assigned only.
ARRIVAL ROUTE DESCRIPTION

LOS ANGELES TRANSITION (LAX.PLYYA1)

From PLYYA on track 126° to cross MNLYT at or above 4000.
LANDING RUNWAY 9: From MNLYT on track 120° to cross SARGS at or above 2100.
Expect ILS or LOC RWY 9 approach.
ARRIVAL ROUTE DESCRIPTION

LOS ANGELES TRANSITION (LAX.SHAMU1): From over LAX VORTAC via LAX R-132 and MZB R-294 to SHAMU FIX. Thence...

...From over SHAMU FIX via heading 135° to intercept MZB R-255 then via MZB R-255 to SARGS INT. Expect RADAR vectors to SAN Rwy 9 localizer.
**ARRIVAL ROUTE DESCRIPTION**

**IMPERIAL TRANSITION (IPL.TOPGN2)**

**MOMAR TRANSITION (MOMAR.TOPGN2)**

**PARKER TRANSITION (PKE.TOPGN2)**

**TRUE TRANSITION (TTRUE.TOPGN2)**

From TOPGN on track 250° to cross ISEMN at or above 6400, then on track 253° to cross ZIPP between 6000 and 8000, then on track 273° to cross TMCAT at 6000 and at 210K, then on track 270°. Expect RADAR vectors to ILS or LOC RWY 9 approach.

**LOST COMMUNICATIONS:**

In the event of lost communication: proceed direct SARGS then on the ILS or LOC RWY 9 approach.

**NOTE:** Chart not to scale.

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**NOTE:** RADAR required.

**NOTE:** RNAV 1.

**NOTE:** DME/DME/IRU or GPS required.

**NOTE:** Turbojet aircraft only.

**NOTE:** When San Diego is landing RWY 9 and departing RWY 27, expect RADAR vectors to DOGFT then direct TMCAT.

**NOTE:** Descend via mach number until intercepting 270K. Maintain 270K until slowed by the STAR or assigned by ATC.