ARRIVAL ROUTE DESCRIPTION

CGNEY TRANSITION (CGNEY.ANJLL4)
DNERO TRANSITION (DNERO.ANJLL4)
HAKMN TRANSITION (HAKMN.ANJLL4)
OTOOL TRANSITION (OTOOL.ANJLL4)
SALYY TRANSITION (SALYY.ANJLL4)
SHTNR TRANSITION (SHTNR.ANJLL4)

From ANJLL on track 240° to cross CAANN at or above 17000, then on track 240° to cross BOYEL at or above 14000, then on track 241° to cross CRCUS between 12000 and 14000 and at 270K. Expect ILS or RNAV (RNP) RWY 25L approach.

LOST COMMUNICATIONS: In the event of lost communication prior to runway assignment proceed on ILS or LOC RWY 25L.

NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

HECTOR TRANSITION (HEC.BASET5): From over HEC VORTAC via HEC R-211 and PDZ R-030 to CIVET INT, then via LAX R-068 to BASET INT. Thence. . . .

JULIAN TRANSITION (JLI.BASET5): From over JLI VORTAC via JLI R-303 to WYVIL, then via PDZ R-105 to PDZ VORTAC, then via PDZ R-277 to ARNES, then via LAX R-068 to BASET. Thence. . . .

PEACH SPRINGS TRANSITION (PGS.BASET5): From over PGS VOR/DME via PGS R-229 and PDZ R-046 to RUSTT INT, then via LAX R-068 to BASET INT. Thence. . . .

TWENTYNINE PALMS TRANSITION (TNP.BASET5): From over TNP VORTAC via TNP R-245 and PDZ R-069 to PDZ VORTAC, then via PDZ R-277 to ARNES, then via LAX R-068 to BASET. Thence. . . .

. . . . from BASET on LAX VORTAC R-068 to cross DOWNE at or above 10000, then on LAX R-068 to cross REEDR at or above 9000.

LANDING RUNWAYS 6L/R: From REEDR on SMO VOR/DME R-097 to cross SMO at or above 8000, then on heading 251° or as assigned by ATC. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 7L/R: From REEDR on heading 213° or as assigned by ATC. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS
In the event of lost communications: If landing Rwys 6L/R proceed on the ILS or LOC RWY 6R. If landing Rwys 7L/R depart REEDR heading 213° to intercept the SLI R-251 to TANDY.
BURGL TRANSITION (BURGL.BAYST1)
CERNL TRANSITION (CERNL.BAYST1)
FRASR TRANSITION (FRASR.BAYST1)
HUULL TRANSITION (HUULL.BAYST1)
MUPPT TRANSITION (MUPPT.BAYST1)
REBRG TRANSITION (REBRG.BAYST1)
RYDRR TRANSITION (RYDRR.BAYST1)
SNAXX TRANSITION (SNAXX.BAYST1)

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: Expect Rwy 25L unless otherwise assigned by ATC.
NOTE: CERNL TRANSITION GPS required.
NOTE: BURGL, FRASR, HUULL, SNAXX, MUPPT, REBRG, RYDRR TRANSITIONS DME/DME/IRU or GPS required.
NOTE: Do not file-to be assigned by ATC.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)
NOTE: Chart not to scale.

Arrival Route Description

From BAYST on track 084° to cross JUUSE between 8000 and 9000, then on track 084° to cross CLIFY between 7000 and 8000 and at 210K, then on track 110° to cross DWYER at 7000 and at 210K, then on track 095° to cross AYYY at 6000, then on track 071° to cross PETYR at 5000, then on track 071° or as assigned by ATC. Expect RADAR vectors to ILS or RNAV (RNP) RWY 25L final approach course.

Lost Communications

After PETYR turn left heading 315° and intercept the Rwy 25L localizer, proceed on the ILS RWY 25L approach.
NOTE: Chart not to scale.

**BIGBR THREE ARRIVAL (RNAV) Transition Routes**

1. **ANJLL**
   - FL290 280K
   - FL240

2. **BCALL**
   - FL280 280K
   - FL240

3. **FL190 205° (22)**
4. **FL190 207° (22)**
5. **FL190 214° (30)**
6. **FL190 234° (23)**
7. **FL190 234° (32)**
8. **FL190 236° (31)**

**Transition Routes**

- **HAKMN**
- **DNERO**
- **CGNEY**
- **SHTN R**
- **OTOO L**
- **HAKMN**
- **DNERO**
- **CGNEY**

**Notes:**
- Radar required.
- RNAV 1.
- DME/DME/IRU or GPS required.
- Turbojet aircraft only.
- Los Angeles landing east traffic.
- Expect runway 7R unless otherwise assigned.
- Expect local area altimeter reaching FL230.
- CGNEY and OTOOL transitions ATC assigned only, do not file.
- SHTNR transition restricted to LAS departures only.

**ALAR**
- 280K
- FL290
- FL240
- FL190 232° (11)

**FL290**
- FL190 205° (13)
- FL190 232° (11)

**ANJLL**
- FL290 280K
- FL240

**See following page for Arrival Routes.**

**Continued on following page**

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

From ANJLL on track 240° to cross KAOSS between FL190 and FL230, then on track 244° to cross TOLLA between 14000 and 17000, then on track 244° to cross SLACR at or below 15000, then on track 244° to cross BIGBR between 13000 and 14000.

LANDING RUNWAYS 6L/R: From BIGBR on track 252° to cross DRYSS between 10000 and 12000, then on track 253° to cross TOMYS at or above 9000, then on track 264° to cross CLIFFY at 7000 and at 220K, then on track 259° to HNCHIE, then on track 251° to cross SASSI at 7000 and at 210K, then on track 251°. Expect RADAR vectors to ILS or RNAV (RNP) RWY 6L final approach course.

LANDING RUNWAYS 7L/R: From BIGBR on track 237° to cross LADDD between 10000 and 12000, then on track 253° to cross JOELZ between 8000 and 9000, then on track 226° to cross NORML at or above 6000 and at 220K, then on track 251° to cross WNDFL at 6000 and at 210K, then on track 251°. Expect RADAR vectors to ILS or RNAV (RNP) RWY 7R final approach course.

LOST COMMUNICATIONS: In the event of lost communication proceed on the RNAV (RNP) RWY 7R or ILS or LOC RWY 7R approach.
**BOGET TWO ARRIVAL (RNAV)**

**NOTE:** RADAR required.
**NOTE:** RNAV 1.
**NOTE:** DME/DME/IRU or GPS required.
**NOTE:** Landing LAX expect Rwy 24R unless otherwise assigned by ATC.
**NOTE:** Landing SMO expect Rwy 21 unless otherwise assigned by ATC.
**NOTE:** This procedure NA for turbojets landing LAX.
**NOTE:** KREME transition restricted to KLAS departures only.
**NOTE:** WNCHL transition ATC assigned only-do not file.

**ARRIVAL ROUTE DESCRIPTION**

**BUGGA TRANSITION (BUGGA.BOGET2)**

**NEEDLES TRANSITION (EED.BOGET2)**

**KREME TRANSITION (KREME.BOGET2)**

**PURSE TRANSITION (PURSE.BOGET2)**

**WELUM TRANSITION (WELUM.BOGET2)**

**WNCHL TRANSITION (WNCHL.BOGET2)**

**LANDING KLAX/KSMO:** From BOGET on track 183° to cross MEET at or above 7500, then on track 173° to cross WATSS at or above 6900, then on track 157° to cross UPDOC at 6000, then on track 140°. Expect RADAR vectors to final approach course.

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

From HLYWD on track 251° to cross BRUEN at or below FL320, then on track 252° to cross AVATR between FL240 and FL290 and at 280 K, then on track 250° to cross TRUBL between FL190 and FL230, then on track 253° to cross EMMMY between 1400 and 17000, then on track 253° to cross WHDDN at or below 15000, then on track 253° to cross SHRTZ between 13000 and 14000.

LANDING RUNWAYS 6L/R: From SHRTZ on track 267° to cross DRYSS between 10000 and 12000, then on track 253° to cross TOMYS at or above 9000, then on track 264° to cross CLIFY at 7000 and at 220 K, then on track 259° to HNCHE, then on track 251° to cross SASSI at 7000 and at 210 K, then on track 251° to SHIPM, then on track 251°. Expect RADAR vectors to ILS or RNAV (RNP) RWY 6L final approach course.

LANDING RUNWAYS 7L/R: From SHRTZ on track 252° to cross LADD between 10000 and 12000, then on track 253° to cross JOELZ between 8000 and 9000, then on track 226° to cross NORML at or above 6000 and at 220 K, then on track 251° to cross WNDFL at 6000 and at 210 K, then on track 251° to NIKEY, then on track 251°. Expect RADAR vectors to ILS or RNAV (RNP) RWY 7R final approach course.

LOST COMMUNICATIONS: In the event of lost communication proceed on the RNAV (RNP) RWY 7R or ILS or LOC RWY 7R approach.
**ARRIVAL ROUTE DESCRIPTION**

**RDHOT TRANSITION (RDHOT.DIRBY1)**

**TILLT TRANSITION (TILLT.DIRBY1)**

From DIRBY on track 082° to cross PHUNN at or below 14000, then on track 034° to cross SHHOW at or below 12000, then on track 346° to cross ZAPPP at or above 9000, then on track 346° to cross BUFIE at or below 8000, then on track 332° to cross SLI VORTAC at 7000 and at 210K, then on track 326° to cross TRNDO at 5000 and at 210K. Expect RADAR vectors to ILS or RNAV (RNP) Z RWY 25L final approach course.

**LOST COMMUNICATIONS**

In the event of lost communications: RNP arrivals proceed on the RNAV (RNP) Z RWY 25L approach. All other aircraft proceed on the ILS or LOC RWY 25L.

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

FIKY TRANSITION (FIKY.GOATZ1)

From GOATZ on track 038° to cross DIRBY between 16000 and FL190 and at 280K, then on track 082° to cross PHUNN at or below 14000, then on track 034° to cross SHHOW at or below 12000, then on track 346° to cross ZAPPP at or above 9000, then on track 346° to cross BUFIE at or below 8000, then on track 332° to cross SLI VORTAC at 7000 and at 210K, then on track 326° to cross TRNDO at 5000 and at 210K. Expect ILS or RNAV (RNP) RWY 25L.

LOST COMMUNICATIONS

In event of lost communication, proceed on the RNAV (RNP) RWY 25L approach.
NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: Los Angeles landing west traffic.
NOTE: Expect runway 25L unless otherwise assigned by ATC.
NOTE: Expect local area altimeter reaching FL230.
NOTE: MDLER transition ATC only, do not file.
ARRIVAL ROUTE DESCRIPTION

TOKIO TRANSITION (TOKIO.HUULL2)

From HUULL on track 079° to cross GNZZO between 13000 and 14000, then on track 079° to cross RYDRR at 11000 and at 250K, then on track 103° to cross KEVVI at or above 10000, then on track 103° to cross BAYST at or above 9000 and at 240K, then on track 084° to cross JUUSE between 8000 and 9000, then on track 084° to cross CLIFY between 7000 and 8000 and at 210K, then on track 066° to cross DAHJR at 6000 and at 210K, then on track 071° to cross GADDO at 6000, then on track 071°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

In the event of lost communications: RNP LAX arrivals proceed on the RNAV (RNP) Z RWY 24R approach at DAHJR or proceed on the ILS or LOC RWY 24R.

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: Procedure is only for use when Los Angeles landing west.
NOTE: Expect Runway 24R unless otherwise assigned by ATC.
**ARRIVAL ROUTE DESCRIPTION**

**LANDING KLAX/KHHR:** From IRNMN on track 131° to cross SYMON between 12000 and 13000 and at 250K, then on track 126° to cross BAYST at or above 9000 and at 240K, then on track 084° to cross JUUSE between 8000 and 9000, then on track 084° to cross CLIFY between 7000 and 8000 and at 210K, then on track 066° to cross DAHJR at 6000 and at 210K, then on track 071° to cross GADDO at 6000, then on track 071°. Expect RADAR vectors to final approach course.

**LOST COMMUNICATIONS**

In the event of lost communications proceed on the RNAV (RNP) Z RWY 24R approach or the ILS or LOC RWY 24R.

NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

LAKE HUGHES TRANSITION (LHS.KIMMO3): From over LHS VORTAC on LHS R-139 to KIMMO INT. Thence.

PALMDALE TRANSITION (PMD.KIMMO3): From over PMD VORTAC on PMD R-218 to KIMMO INT. Thence.

SHAFTER TRANSITION (EHF.KIMMO3): From over EHF VORTAC on EHF R-123 and LHS R-329 to LHS VORTAC, then on LHS R-139 to KIMMO INT. Thence.

TULE TRANSITION (TTE.KIMMO3): From over TTE VOR/DME on TTE R-147 and LHS R-329 to LHS VORTAC, then on LHS R-139 to KIMMO INT. Thence.

. . . From over KIMMO INT on LHS R-139 and SLI R-319 to DARTS INT/SLI 25 DME.

LANDING LOS ANGELES INTL: Depart DARTS INT heading 140°, expect RADAR vectors to final approach course.

LANDING SANTA MONICA MUNI: Depart DARTS INT heading 140°, expect RADAR vectors to final approach course.
ARRIVAL ROUTE DESCRIPTION

LANDING RUNWAYS 6L/R: From MDNYT on track 252° to DOWNE, then on track 268° to cross DOYRS at or above 10000, then on track 267° to cross CLIFY between 8000 and 10000 and at 230K, then on track 259° to HNCHE, then on track 251° to cross SASSI at 7000 and at 210K, then on track 251° to SHIPM, then on track 251°. Expect RADAR vectors to ILS or RNAV (RNP) RWY 6R final approach course.

LOST COMMUNICATIONS: In the event of lost communication proceed on the RNAV (RNP) RWY 6R or ILS or LOC RWY 6R approach.

NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

AVENAL TRANSITION (AVE.MOOR4): From over AVE VOR/DME on AVE R-129 and FIM R-310 to FIM VORTAC. Thence. . . .

DERBB TRANSITION (DERBB.MOOR4): From over DERBB INT on AVE R-129 and FIM R-310 to FIM VORTAC. Thence. . . .

DINTY TRANSITION (DINTY.MOOR4): From over DINTY INT on RZS R-233 to RZS VORTAC. Then on RZS R-087 and FIM R-267 to FIM VORTAC. Thence. . . .

. . . . From over FIM VORTAC via FIM R-158 to WAKER INT. For Runways 6L/R or 7L/R: From WAKER INT expect vector to final approach course for Los Angeles Intl Airport.

NOTE: DME or RADAR required.
NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

From over JLI VORTAC on JLI R-263 and OCN R-083 to VISTA, then on OCN R-083 to CYNDE DME, then on OCN R-083 to OCN VORTAC, then on OCN R-272 and VTU R-114 to SHILY INT, then on SLI R-251 to DOYLE INT, then on VTU R-129 to EXERT INT, then on LAX R-246 to MERMA INT. Expect RADAR vectors to final approach course for Runways 6 or 7.
ARRIVAL ROUTE DESCRIPTION

From AMMOR on track 289° to cross RNCHO at or above FL260, then on track 282° to cross REGGO at or above FL240, then on track 268° to cross CYNDE at or below 14000, then on track 269° to cross OLAAA between 12000 and 13000, then on track 291° to PESOZ, then on track 328° to cross MADOW at or below 8000, then on track 331° to cross TOZEK at 7000, then on track 331° to cross SLI VORTAC at 7000 and at 210K, then on track 326° to cross TRNDO at 5000 and at 210K. Expect RADAR vectors to ILS or RNAV (RNP) RWY 25L final approach course.

LOST COMMUNICATIONS: In the event of lost communication, proceed on the RNAV (RNP) RWY 25L or the ILS or LOC RWY 25L approach.

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: Expect runway 25L unless otherwise assigned by ATC.
NOTE: Non-RNP AR aircraft expect RADAR vectors to final approach course after SLI VORTAC.
NOTE: Chart not to scale.
NOTE: Chart not to scale.

CERNL TRANSITION (CERNL.RYDRR2)
EESSA TRANSITION (EESSA.RYDRR2)
ELKEY TRANSITION (ELKEY.RYDRR2)
SNAXX TRANSITION (SNAXX.RYDRR2)

NOTE: Radar required.
NOTE: RNAV 1.
NOTE: Turbojet and turboprop aircraft only.
NOTE: SNAXX and EESSA transitions DME/DME/IRU or GPS required.
NOTE: CERNL and ELKEY transitions GPS required.
NOTE: Procedure is only for use when Los Angeles landing west.
NOTE: LAX arrivals expect Rwy 24R unless otherwise assigned by ATC.

(Continued on following page)
**Arrival Route Description**

**Landing KLAX/KHHR:** From RYDRR on track 103° to cross KEVVI at or above 10000, then on track 103° to cross BAYST at or above 9000 and at 240K, then on track 084° to cross JUUSE between 8000 and 9000, then on track 084° to cross CLIFY between 7000 and 8000 and at 210K, then on track 066° to cross DAHJR at 6000 and at 210K, then on track 071° to cross GADDO at 6000, then on track 071°. Expect RADAR vectors to final approach course.

**Lost Communications**

In the event of lost communications: RNP LAX arrivals proceed on the RNAV (RNP) Z RWY 24R approach at DAHJR or proceed on the ILS or LOC RWY 24R.

**Note:** Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

AVENAL TRANSITION (AVE.SADDE8): From over AVE VOR/DME on AVE R-129 and FIM R-310 to FIM VORTAC, then on FIM R-148 to SADDE. Thence. . . .

DERBB TRANSITION (DERBB.SADDE8): From over DERBB on AVE R-129 and FIM R-310 to FIM VORTAC, then on FIM R-148 to SADDE. Thence. . . .

DINTY TRANSITION (DINTY.SADDE8): From over DINTY on RZS R-233 to RZS VORTAC, then on RZS R-109 and VTU R-289 to VTU VOR/DME, then on VTU R-093 to SADDE. Thence. . . .

ELKEY TRANSITION (ELKEY.SADDE8): From over ELKEY on VTU R-226 to VTU VOR/DME then on VTU R-093 to SADDE. Thence. . . .

FILLMORE TRANSITION (FIM.SADDE8): From over FIM VORTAC on FIM R-148 to SADDE. Thence. . . .

PALMDALE TRANSITION (PMD.SADDE8): From over PMD VORTAC on PMD R-251 and FIM R-347 to FIM VORTAC, then on FIM R-148 to SADDE. Thence. . . .

SAN MARCUS TRANSITION (RZS.SADDE8): From over RZS VORTAC on RZS R-109 and VTU R-289 to VTU VOR/DME, then on VTU R-093 to SADDE. Thence. . . .

VENTURA TRANSITION (VTU.SADDE8): From over VTU VOR/DME on VTU R-093 to SADDE. Thence. . . .

. . . From SADDE on SMO VOR/DME R-261 to cross SMO VOR/DME at or above 7000. Then on heading 070°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS
In the event of lost communications proceed on the ILS or LOC RWY 24R.
NOTE: Expect runway assignment on initial contact with Southern California TRACON.
In the event of lost communications prior to runway assignment proceed via ILS Rwy 25L.

NOTE: DME or RADAR required.

ARRIVAL ROUTE DESCRIPTION

TWENTYNINE PALMS TRANSITION (TNP, SEAVU2):
From over TNP VORTAC on TNP R-245 and PDZ R-069 to CATAW, then on POM R-098 to SEAVU.

LOST COMMUNICATIONS: In the event of lost communication prior to runway assignment proceed via ILS Rwy 25L.
ARRIVAL ROUTE DESCRIPTION

From AMMOR on track 289° to cross RNCHO at or above FL260, then on track 298° to cross SNSTT between FL240 and FL260 and at 280K, then on track 328° to cross SOLAY at or below FL190, then on track 316° to cross LAHVA at 17000, then on track 287° to cross LAAMP at or above 15000, then on track 287° to cross SNDDR at or above 14000, then on track 287° to cross SEAVU between 12000 and 14000 and at 270K. Expect ILS or RNAV (RNP) RWY 25L approach.

LOST COMMUNICATIONS

In the event of lost communication prior to runway assignment proceed on ILS or LOC RWY 25L.

NOTE: Chart not to scale.

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: SNSTT STAR ATC assigned only.
NOTE: Los Angeles landing west traffic.
NOTE: Expect Rw 25L unless otherwise assigned.
ARRIVAL ROUTE DESCRIPTION

JULIAN TRANSITION (JULIAN.VISTA3): From over JULIAN VORTAC on JULIAN R-263 and OCN R-083 to VISTA. Thence, . . .

. . .from VISTA to CYNDE on OCN R-083. From CYNDE to OCN VORTAC on OCN R-083. From OCN VORTAC to SHIVE on OCN R-259 and SLI R-148. From SHIVE to CWARD on SLI R-148. From CWARD to BAYER on SLI R-148. From BAYER to MADOW on SLI R-148. From MADOW to TOZEK on SLI R-148. From TOZEK to SLI VORTAC on SLI R-148. Expect RADAR vectors to final approach course for Runways 24 or 25.

NOTE: DME and RADAR required.
NOTE: Chart not to scale.
NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

LAKE HUGHES TRANSITION (LHS.WAYVE1)
LOPES TRANSITION (LOPES.WAYVE1)
SHAFTER TRANSITION (EHF.WAYVE1)
TULE TRANSITION (TTE.WAYVE1)

LANDING KLAX/KSMO: From WAYVE on track 142° to SAUGS, then on track 142° to KIMMO, then on track 143° to UPDOC, then on track 140°. Expect RADAR vectors to final approach course.
ARRIVAL ROUTE DESCRIPTION

REBRG TRANSITION (REBRG.ZUUMA3)

LANDING KLAX RUNWAYS 6L/R, 7L/R: From ZUUMA on track 142° to cross WAKER at 6000 and at 210K. Expect ILS or LOC RWY 6L approach or RADAR vectors to final approach course.

LANDING KSMO: From ZUUMA on track 142° to cross WAKER at 6000 and at 210K. Expect RNAV (GPS) RWY 3 approach.

LOST COMMUNICATIONS

LANDING LAX: Proceed on the RNAV (RNP) Z RWY 6L or ILS or LOC RWY 6L approach.

LANDING SMO: Proceed on the RNAV (GPS) RWY 3 approach.

NOTE: Chart not to scale.