CAUTION: Birds in vicinity of airport. Not permitted to overfly city of Lima when VFR. Two-way radio required.
SALINAS FOUR BRAVO, TIMOR ONE
DEPARTURES
(RWY 33)
NOISE ABATEMENT PROCEDURES

Local Time Plus 5 HOURS = UTC(Z)

GENERAL

These procedures are established to reduce noise exposure levels and mitigate its effects in the neighboring populated areas of Jorge Chavez International Airport, Lima-Callao, Peru.

DEPARTURE PROCEDURES

Stage 2 Aircraft

Between 1200 and 0000 UTC — Stage 2 aircraft departing to the north will take off from Rwy 33 as much as possible.

Between 0000 and 1200 UTC — Stage 2 aircraft will take off from Rwy 33. Operators will adopt the corresponding measures to carry out this restriction rigorously (itinerary modification, adjustment of maximum takeoff weight, etc.).

Stage 3 Aircraft

Between 1200 and 0200 UTC — Stage 3 aircraft departing to the north will take off from Rwy 33 as much as possible.

Between 0200 and 1200 UTC — Aircraft will take off from Rwy 33, except when the tailwind component for a Rwy 33 takeoff is higher than 10 kts and when takeoffs from Rwy 15 are necessary. Operators will follow the necessary measures to comply strictly with this restriction (itinerary modification, maximum takeoff weight adjustment, etc.).

Runway 15 Departure Procedure

Except in cases of emergency, all jet aircraft departing day or night from Rwy 15 at Jorge Chavez International Airport will follow the noise abatement procedure illustrated below:
The noise abatement procedure will be executed, following the flight path in accordance with the SID authorized by ATC. The procedure involves a power reduction at or above the prescribed minimum altitude and delay of flaps/slats retraction until the prescribed altitude is attained. At this altitude, accelerate and retract flaps/slats in accordance with the schedule while maintaining a positive rate-of-climb and completing the transition to normal enroute climb procedures.
ALAMO ONE, CEDRO ONE, MEXUR ONE, SAUCE ONE ARRIVALS
(RWYS 15, 33)

ATIS: 127.9
Alt Set: hPa
Trans level: By ATC
Trans alt: 4000'

STAR

ALAMO ONE
Descend from routes UB-677, or UB-679 to ASI. Continue to SIGAS in accordance with ATC instructions.

CEDRO ONE
Descend from routes V-11, UV-11, or UA-304 to ASI. Continue to SIGAS in accordance with ATC instructions.

MEXUR ONE
Descend from route UT-214 to ASI. Continue to SIGAS in accordance with ATC instructions.

SAUCE ONE
Descend from route UV-12 to ASI. Continue to SIGAS in accordance with ATC instructions.

CHANGES: MEXUR ONE added, new format. © JEPPESEN SANDERSON, INC., 2004. ALL RIGHTS RESERVED.
ALERO TWO ALFA, ARENA ONE ALFA, KARPA ONE ALFA, PIKOS TWO ALFA, SALINAS TWO ARRIVALS

(AWY 15)

ATIS Apt Elev Alt Set: hPa Trans level: By ATC Trans alt: 4000'
127.9 113

**STAR** | **ROUTING**
---|---
ALERO TWO ALFA | Descend from route UG-431 to GALGO. Turn LEFT to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.
ARENA ONE ALFA | Descend from routes V-6, or UG-437 to D17 SLS. Turn LEFT to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.
KARPA ONE ALFA | Descend from route UG-426 to D11 SLS. Turn LEFT to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.
PIKOS TWO ALFA | Descend from route UL-305 to GALGO. Turn LEFT to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.
SALINAS TWO | Descend from routes UL-312, UL-344, UL-308, UG-436, V-1, UV-1, or G-675 to SLS. Continue on SLS R-146 to SIGAS in accordance with ATC instructions.

**NOT TO SCALE**
# STAR

<table>
<thead>
<tr>
<th>STAR</th>
<th>ROUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALERO TWO BRAVO</strong></td>
<td>Descend from route UG-431 to ALERO, intercept and continue via LIM R-350 to ORAMI. Turn RIGHT heading 195° to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.</td>
</tr>
<tr>
<td><strong>PIKOS TWO BRAVO</strong></td>
<td>Descend from route UL-305 to PIKOS, turn LEFT to intercept LIM R-350 to ORAMI. Turn RIGHT heading 195° to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.</td>
</tr>
</tbody>
</table>

**CHANGES:** New format, routing text.
AMVEX ONE ARRIVAL
(RWY 15)

Routing:
Descend from routes UV-20, V-20, or V-18 to AMVEX. Continue on SLS R-056 (heading 236°) to MULAM. Turn LEFT via LIM R-350 to ORAMI. Turn RIGHT heading 195° to intercept LIM R-333, continue to SIGAS in accordance with ATC instructions.

Changes: New format, routing text.
GATUK ONE, PERLA ONE ALFA ARRIVALS

**STAR**

**ROUTING**

**GATUK ONE**
From GATUK continue descending via LIM R-111 (heading 291°) to LIM. Proceed in accordance with ATC authorization.

**PERLA ONE ALFA**
Descend from D84 LIM on routes UV-11, V-11, UA-304 via LIM R-130 to PERLA. Continue descending via LIM R-130 (heading 310°) to LIM. Proceed in accordance with ATC authorization.
GAVIL ONE, KADEL ONE, TORDO ONE ARRIVALS

**STAR**

<table>
<thead>
<tr>
<th>STAR</th>
<th>ROUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAVIL ONE</td>
<td>From GAVIL descend via LIM R-034 (heading 214°) to LIM. Proceed according to ATC authorization.</td>
</tr>
<tr>
<td>KADEL ONE</td>
<td>From KADEL continue descending via LIM R-063 (heading 243°) to LIM. Proceed according to ATC authorization.</td>
</tr>
<tr>
<td>TORDO ONE</td>
<td>From TORDO continue descending via LIM R-090 (heading 270°) to LIM. Proceed according to ATC authorization.</td>
</tr>
</tbody>
</table>

**CHANGES:** New format, routing text.
**SPIM/LIM**

**LIMA-CALLAO, PERU**

**VOR DME ILS Rwy 15**

<table>
<thead>
<tr>
<th>ATIS</th>
<th>LIMA Approach (R)</th>
<th>INTL Tower</th>
<th>Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIMA</td>
<td>119.7</td>
<td>118.1</td>
<td>121.9</td>
</tr>
</tbody>
</table>

**MISSING APCH:** Climb outbound on LIM VOR R-153 to 2000' then turn RIGHT and proceed to LIM VOR and hold at 4000'.

**Alt Set:** hPa  
**Rwy Elev:** 2 hPa  
**Trans level:** By ATC  
**Trans alt:** 4000'

1. ILS DME associated with the glide path (0.2 NM from Rwy 15 threshold).
2. MaxIAS in base turn 185 kts.  

---

**LOC (GS out)**  
**IJCH DME**  
**ALTITUDE**  
<table>
<thead>
<tr>
<th>5.0</th>
<th>4.0</th>
<th>3.0</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>1640'</td>
<td>1320'</td>
<td>1000'</td>
<td>680'</td>
</tr>
</tbody>
</table>

**Gnd speed-Kts**  
**GS**  
**Rate of descent (feet/min)**  
**MAP at D1.0 IJCH**

**STRAIGHT-IN LANDING RWY 15**

**LOC (GS out)**  
**ILS DA(H) 246' (200')**  
**LOC OUT 370' (325')**  
**CIRCLE-TO-LAND**

**RANGE OPS**

<table>
<thead>
<tr>
<th>A/B</th>
<th>C</th>
<th>D</th>
<th>0.8 km</th>
<th>1.2 km</th>
<th>1.6 km</th>
<th>860' (747') - 5.0 km</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>100/130</td>
<td>180</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

**CHANGES:** New procedure.
CLIMB outbound on LIM VOR R-153 to 2000' then turn RIGHT and proceed to LIM VOR and hold at 4000'.

1. ILS DME associated with the glide path (0.2 NM from Rwy 15 threshold).

2. Max IAS in base turn 185 kts.

CHANGES: New procedure.
MISSED APCH: Climb outbound on LIM VOR R-153 to 2000' then turn RIGHT and proceed to LIM VOR and hold at 4000'.

1. ILS DME associated with the glide path (0.2 NM from Rwy 15 threshold).
MISSED APCH: Climb outbound on LIM VOR R-153 to 2000' then turn RIGHT and proceed to LIM VOR and hold at 4000'.

ILS DME associated with the glide path (0.2 NM from Rwy 15 threshold).

Alt Set: hPa Rwy Elev: 2 hPa Trans level: By ATC Trans alt: 4000'

1. ILS DME associated with the glide path (0.2 NM from Rwy 15 threshold).

2. ILS DME associated with the glide path (0.2 NM from Rwy 15 threshold).
**MISSING APCH:** Climb outbound on LIM VOR R-153 to 2000' then turn RIGHT and proceed to LIM VOR and hold at 4000'.

1. Max IAS in base turn 185 kts.

**ATIS:**
- LIMA Approach (R)
- INTL Tower Ground
- 127.9
- 119.7
- 118.1
- 121.9

**Minimum Alt:**
- DALNA: 2000' (1954')
- MDA(H): 630' (584')
- APT Elev: 113'
- RWY 15: 46'

**LIMA CALLAO, PERU**

**Jorge Chavez Intl**

**Descent Foxtrot VOR DME Rwy 15**

**CHANGES:** New procedure.
MISSED APCH: Climb outbound on LIM VOR R-153 to 2000' then turn RIGHT and proceed to LIM VOR and hold at 4000'.

1. Max IAS in circling 200 kts.

3.2 km

860'(747') - 5.0 km

CHANGES: New procedure.