

IVAO - XO

# ATC Ops Manual

# Sydney Ground

# *YSSY\_GND*

# *YSSY\_E\_GND*

# *YSSY\_W\_GND*

### Airport Information

|  |  |
| --- | --- |
| Information | |
| ICAO Code | YSSY |
| IATA Code | SYD |
| Airport name | *Sydney Kingsford Smith Airport* |
| Time zone conversion | UTC +10 |
| Permitted traffic types | IFR / VFR |
| Runways | 16L/34R, 16R/34L, 07/25 |

### Ground Positions

|  |  |  |  |
| --- | --- | --- | --- |
| Logon: | Callsign | Frequency | FRA |
| YSSY\_GND | Sydney Ground | 121.700MHz |  |
| YSSY\_E\_GND | Sydney Ground | 121.700MHz |  |
| YSSY\_W\_GND | Sydney Ground | 126.500MHz |  |

1. YSSY\_GND is the standard position for Sydney Ground. This position shall **only** be opened when YSSY\_TWR is already online.
2. YSSY\_E\_GND and YSSY\_W\_GND may be opened **instead of** YSSY\_GND when YSSY\_TWR and YSSY\_DEL are also online.
3. YSSY\_GND cannot be open at the same time as YSSY\_E\_GND and YSSY\_W\_GND.
4. YSSY\_E\_GND nor YSSY\_W\_GND shall be opened independently.

*In absence of Sydney Delivery being online, also refer to the Sydney Delivery Ops Manual to provide a top-down service (required).*

### Responsibilities

Sydney Ground is responsible for taxiways and taxilanes, excluding DOM1A (aircraft on this taxilane may taxi up to DOM1 without clearance). Aircraft do not require start clearance. Ground may be delegated responsibility for inactive runways by Tower (see Runway Release).

When Ground is split into east (YSSY\_E\_GND) and west (YSSY\_W\_GND), east is responsible for everything east of Runway 16R/34L, and west is responsible for everything to the west. On crossing, aircraft shall be instructed to hold short of the parallel taxiway and contact ground.

*A map of a city

Description automatically generated*

*Image from AIP Sept 2023. Uncontrolled.*

*Blue – YSSY\_W\_GND*

*Orange – YSSY\_E\_GND*

### Standard Taxi Routes

Sydney utilises a one-way taxi system along taxiways B and C. Where practical, controllers should send aircraft taxiing northbound via L & B, and southbound via C and B10. This in no way prevents a controller from deviating to improve traffic flow, particularly when aircraft are pushing back onto B from DOM1.

*Note aircraft pushing back from bays 11-19, 49-57, and 59 will ordinarily be instructed to push tail north to achieve this traffic flow, even when assigned Runway 16R.*

*A map of an airport

Description automatically generated*

*Image from AIP Sept 2023. Uncontrolled.*

*Blue – Northbound (TWY B, L)*

*Yellow – Southbound (TWY C, B10)*

### Aircraft Bay Assignment

Sydney can be split into two sides, the international side to the west of Runway 16R/34L, and the domestic side to the east.

Domestic:

|  |  |
| --- | --- |
| Stand | Airlines |
| 1-19 | QFA, QLK, QJE |
| 64-70 | QLK |
| 49-59 | JST, RXA |
| 31-54 odd only | JST, RXA, VOZ |
| 32-44 even only | VOZ |
| F1-F16 | *Prop airliners excl QLK (see 64-70)* |
| 90-94 | *Cargo* |
| 102-112 | AM*, private jets (including international)* |
| 96-99 & 120-121 | *Overflow* |

International:

|  |  |
| --- | --- |
| Stand | Airlines |
| 20 &, 85, 88 | QFA mediums *(international)* |
| 1-6 | Cargo *(international)* |
| 71-77 | *Overflow* *(domestic)* |
| 58-61 | Emirates *(preferred)* |
| All others | *Internationals* |

Notes:

* *Few domestic bays can accommodate aircraft larger than 737/A320. Apron Chart Domestic Page 2 & 3 refer.*
* *See chart below*

Domestic Bay Assignment

*A map of a city

Description automatically generated*

*Image from AIP Sept 2023. Uncontrolled.*

Red: QFA, QJE, QLK

Orange: Jetstar, Rex

White: Virgin Australia, Rex

Blue: Light (prop) airliners and cargo

Green: Ambulance and private jets

*Any other operators flying domestic flights into Sydney shall be assigned DOM2 or DOM3 unless specifically requested otherwise, or unable due to aircraft size.*

### Runway Release

When runway 07/25 is not in use, ground may request a release of the runway. In this case the runway is owned by ground, and ground do not need to coordinate runway crossing, backtracks, or taxiing on 07 or 25. In the rare case of parallel runways not being in use, the same principle applies. At any time Tower can withdraw this release.

### Intersectional Departures

Due to noise abatement procedures, intersectional departures are to be avoided from Runways 34L & R unless required for operational reasons, or by pilot request.

### Helicopters

Ordinarily Ground will not work helicopters, they will be transferred from the Delivery frequency straight to Tower, and depart/arrive from stand or the helipad (heli 1). An exception will apply when helicopters request to route via taxiways.

### Transfer to Tower

In real life, Australian operated aircraft will usually transfer to Tower without instruction, however due to the nature of IVAO this cannot always be expected, therefore Ground must transfer all aircraft to Tower when practical (no further ground traffic to effect).

When Tower is split into YSSY\_E\_TWR and YSSY\_W\_TWR, departures for runway 16R/34L and 07/25 will be transferred to YSSY\_W\_TWR on 120.500MHz, and departures for runway 34R/16L will be transferred to YSSY\_E\_TWR on 124.700MHz. The same applies to coordinating runway crossing clearances.

*In addition to this manual, we recommend you read the Sydney Tower & Sydney Delivery Ops Manuals to fully understand the position and related procedures.*