

## OPERATIONS



### OVERVIEW

- Modes of operation for parallel runways
- Maximising operations and minimising noise impacts

**CURRENT AS AT**  
JUNE 2019

**Brisbane's new runway system will be operated to maximise operations over Moreton Bay in order to minimise noise impacts on the community.**

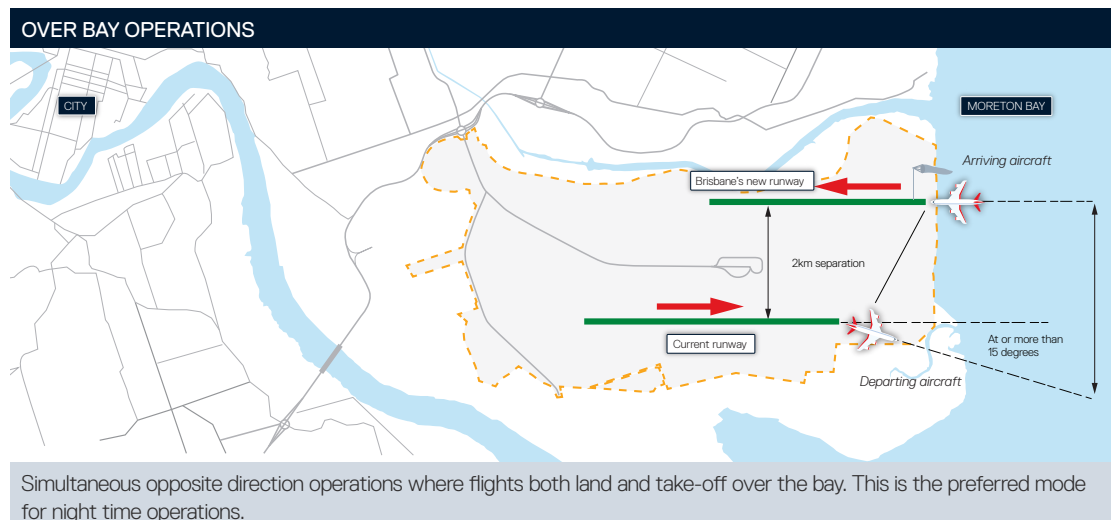
Parallel runways provide the best opportunity to maximise the number of aircraft that can fly into and out of an airport. At Brisbane Airport the parallel runway system will be able to be used in a number of ways, commonly referred to as 'modes of operation'.

Safety is the most important consideration in operating an airport, with the choice of mode at any given time dependent on a combination of factors including:

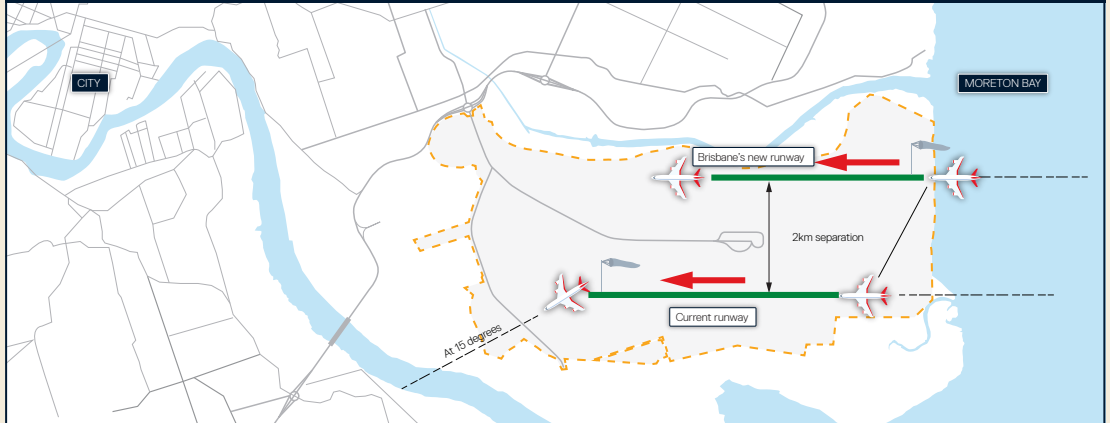
- Weather conditions – especially wind direction and speed, rain, visibility, distance and level of cloud base.
- The number of aircraft presenting for arrival at the airport within a given period.
- The number of aircraft wishing to depart from the airport within a given period.

Once the new runway launches operations in mid-2020, Brisbane Airport will have three main modes of operation:

1. Simultaneous parallel operations: where all flights land over the city and take-off over the bay from both runways. This means arrivals and departures on both runways at the same time in a northerly flow of traffic.
2. Simultaneous parallel operations: where all flights land over the bay and take-off over the city from both runways. This means arrivals and departures on both runways at the same time in a southerly flow of traffic.
3. Simultaneous opposite direction operations: where flights both land and take-off over the bay. This is the preferred mode for night time operations.

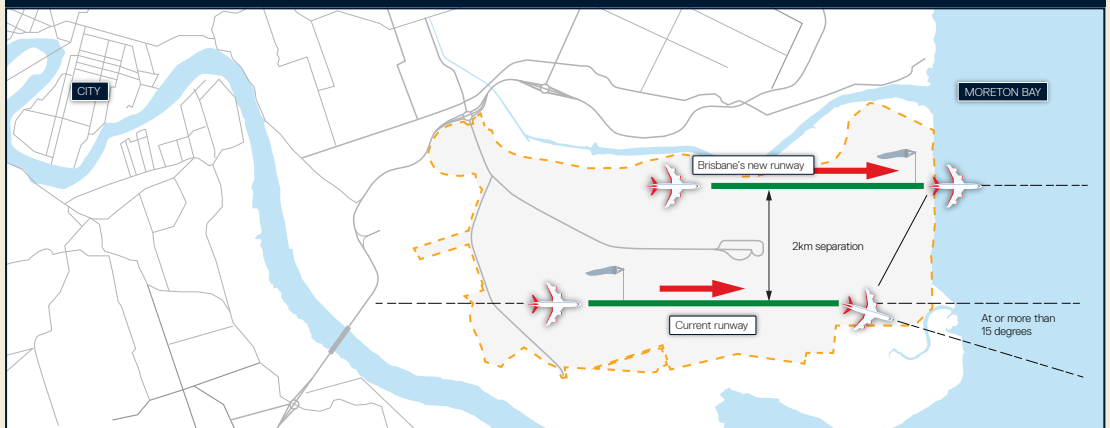


## SIMULTANEOUS PARALLEL OPERATIONS ON RWYs 19L AND 19R



Simultaneous parallel operations where all flights land over the bay and take-off over the city from both runways. This means arrivals and departures on both runways at the same time in a southerly flow of traffic.

## SIMULTANEOUS PARALLEL OPERATIONS ON RWYs 01L AND 01R



Simultaneous parallel operations where all flights land over the city and take-off over the bay from both runways. This means arrivals and departures on both runways at the same time in a northerly flow of traffic.

## FACT: THE RUNWAY NUMBERING SYSTEM

With the construction of Brisbane's new runway well advanced, it is now time to start preparing pilots and the air traffic controllers for parallel operations at Brisbane Airport.

One of the first steps has been the renaming of the existing main runway. From November 2018, directional initials were added and the runway is now called Runway 01R/19L.

**Why the rename?** From the sky, Brisbane's new runway is becoming increasingly obvious. To aid pilots and the air traffic controllers, the directional initials will ensure the continued safe operations at Brisbane Airport.

**Why is the runway called Runway 01R/19L?** The current runway is known as Runway 01 when used in a northerly direction (towards the bay) and Runway 19 when used in a southerly direction (towards the city). Runway numbering reflects the runways' orientation and relates with the degrees on a compass. Runway 19 is 190 degrees. The 'R' means right and the 'L' means left – and this is a very simple way of telling the parallel runways apart.

The renaming of the current runway is to ensure that when the new runway is operational, there is no confusion around which of the parallel runways air traffic control and pilots are referring to when they communicate with each other. This change will not impact passengers.

