

# Airspace Management

*Perth Airport is located in some of the most complex airspace in Australia. Extensive consultation has resulted in a draft Airspace Management Plan that supports safe and efficient operations of a new runway.*

*A Major Development Plan, which includes the draft Airspace Management Plan, has been prepared and gives you the opportunity to give us feedback.*



## Stay informed

We are committed to effective and transparent engagement with the community



## Have your say

Your feedback is an important part of the approval process



## Understand the changes

We have prepared information to help you understand the changes that come with a new runway





## How is airspace managed at Perth Airport?

*Perth Airport is located in some of the most complex airspace in Australia. It is close to the Darling Scarp to its east, the RAAF Base Pearce to the north, and Jandakot Airport to the south. Each aerodrome has its own airspace requirements which must be carefully coordinated.*

Perth Airport works closely with Airservices Australia, the Australian Government agency responsible for airspace design and management and the aviation community to design and manage airspace needs. Together we continually look for opportunities to improve the efficiency and capacity of the existing runway system by improving or changing operational processes or procedures.

Any changes must be considered and balanced against safety, the effects on surrounding communities and any impacts to the environment.

Over the past five years, a series of enhancements to airspace management has enabled an increased number of aircraft movements per hour. However, these capacity gains using the existing runway system have maximised, and there is a need for an additional runway to meet forecast demand.

The need for an additional runway at Perth Airport was first recommended more than 40 years ago by a joint Commonwealth and State Government Committee investigating Perth's planning requirements.

The new runway is expected to be operational between 2023 and 2028, subject to actual demand and a commercial agreement with airlines being reached. The new runway will be 3,000 metres long and located parallel to the existing main runway.

### **What is the draft Airspace Management Plan?**

The draft Airspace Management Plan for safe and efficient operations of a parallel runway system at Perth Airport has been developed. It is not the final design, as this will occur three years out from day of opening of the new runway, however it is a chance for the community to better understand how a parallel runway system may operate and to provide input.

The draft Airspace Management Plan considered:

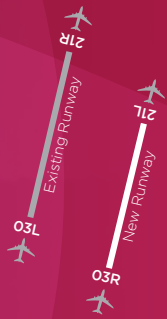
- safe aircraft operations,
- demand and volume of aircraft traffic,
- weather patterns,
- departure and arrival procedures,
- runway modes of operation,
- aircraft sequencing,
- noise abatement procedures,
- local airspace conditions, and
- current flight path designs.

The draft Airspace Management Plan considers flight corridors where aircraft are likely to fly. The flight corridors have been prepared based on international aviation standards.

# Proposed Flows of Operation

Parallel runway operations will continue to use either South or North flow. Traffic demand and weather (e.g. wind direction, wind strength and rain) are major factors in determining which runways will be used for take-offs and landings.

## North flow



## South flow



## SOUTH FLOW

Runways nominated for use are 21 right (21R) and 21 left (21L), which is when aircraft depart to the south.

## NORTH FLOW

Runways nominated for use are 03 left (03L) and 03 right (03R), which is when aircraft depart to the north and arrive from the south.

## How will aircraft operate from the new runway?

The opening of the new runway will allow better management of the growth in air traffic that has already occurred at Perth Airport and future growth; enable more efficient and effective operations; and provide more scope for airlines to schedule flights to better meet customer needs. The new runway will not increase the total aircraft noise load over Perth in the short term.

### Operating Mode

To maximise capacity on day of opening and into the future, Perth Airport will generally operate in independent mixed mode, meaning both runways are used for both arrivals and departures, and the separation of aircraft is not dependent on each other.

In some cases, the runways will be used in dependent mixed-mode operations where separation between aircraft on final approach for each runway is required.

### Cross Runway

A decision on the future of the existing cross runway will be made once the new runway is operational and there is a possibility that it will close.

### Runway Allocation

Following an extensive review of the airspace and how the new runway could operate, it was determined that, in peak periods, aircraft should generally be allocated to the runways based on a compass departures and terminal arrivals concept.

Compass departures sees the runway allocated according to the direction that the aircraft is going. The main runway (03L/21R) will generally cater for aircraft operating to destinations south, west and north-west. The new runway (03R/21L) will generally cater for aircraft operating to destinations north-east and east.

Terminal arrivals sees aircraft arriving on the runway proximate to the terminal that they operate from.

### Aircraft Noise Exposure

For most people, when the new runway opens, their exposure to aircraft noise will reduce because the number of aircraft movements will be spread across two parallel runways. For others, there will be little or no change. Some people will experience an increase in noise and some will be exposed to aircraft noise for the first time.

Further information on potential aircraft noise exposure from the new runway can be found at [perthairport.com.au/aircraftnoise](http://perthairport.com.au/aircraftnoise) and [newrunway.com.au](http://newrunway.com.au)



## Where can you find out more?

### Aircraft Noise Information Portal

For information on the impact of aircraft noise and flight paths, visit [perthairport.com.au/aircraftnoise](https://perthairport.com.au/aircraftnoise)

This interactive web-based portal allows you to investigate current and potential noise impacts for a specific property or area and print a report.

### Aircraft Noise Summary




For information on the proposed flight corridors and associated aircraft noise exposure for the operation of the new runway as part of a parallel runway system at Perth Airport, visit [newrunway.com.au](https://newrunway.com.au) and download a copy of the New Runway Project Preliminary Draft Major Development Plan Aircraft Noise Summary.

Further detailed information is available in the New Runway Project Preliminary Draft Major Development Plan, specifically in Volume C Sections 19-22.



### FIND OUT MORE

For more information about the new runway project and to register to receive updates visit [newrunway.com.au](https://newrunway.com.au)

-  [facebook.com/perthairport](https://facebook.com/perthairport)
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