



*International Civil Aviation Organization*

**ICAO**

**Eleventh Meeting of the Air Traffic Management Sub-Group  
(ATM/SG/11) of APANPIRG**

Singapore, 2 – 6 October 2023

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**Agenda Item 8: Any other business**

**WESTERN SYDNEY INTERNATIONAL AIRPORT DEVELOPMENT**

(Presented by Australia)

**SUMMARY**

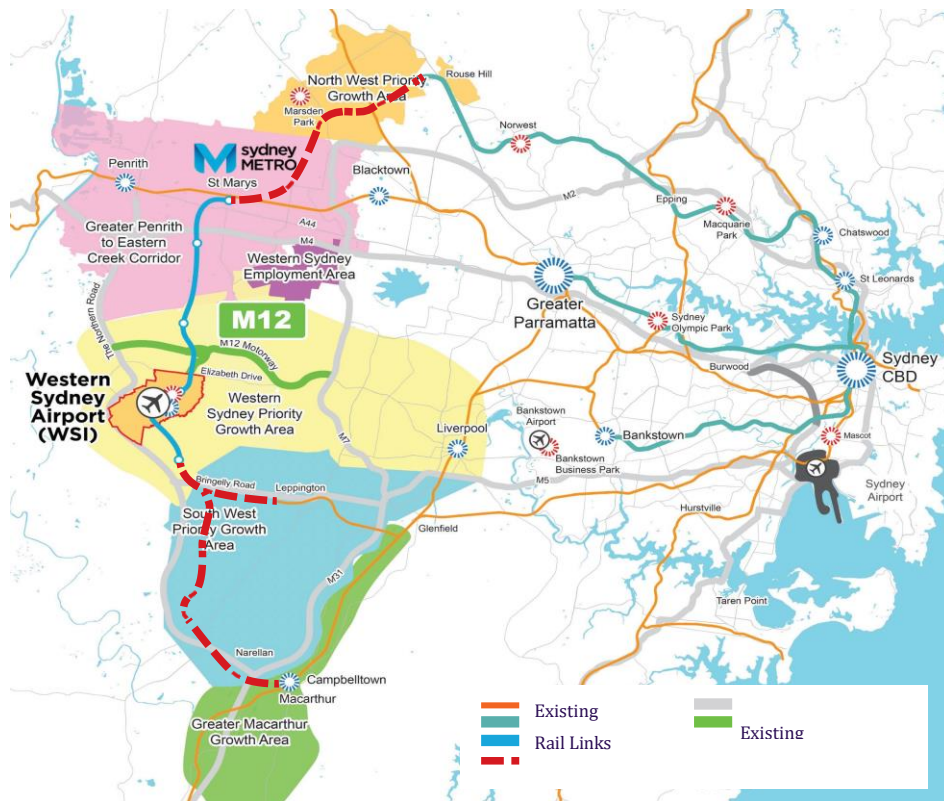
This paper presents information on the development of Western Sydney International Airport, Australia's newest International Airport which is planned to be operational in 2026.

**1. INTRODUCTION**

1.1 Construction is well underway for Western Sydney International (WSI) Airport with completion and operations to commence in late 2026. WSI Airport is located 44 kilometers from the Sydney central business district and 41 kilometers from Sydney (Kingsford Smith) Airport.

1.2 The airport site is 1,780 hectares, approximately twice as large as Kingsford Smith Airport. In an area of Western Sydney where more than two million people reside. Another million people are expected to move into the region by the 2030s. The Australian Government is responsible for the build and opening of the airport, which is currently being run by Western Sydney Airport Company (WSA Co) and Government Business Entity.

1.3 The airport will operate as a curfew free airport and will cater for a mixture of traffic, from domestic and international passenger aircraft to air freight operations.



## 2. DISCUSSION

### Airport Infrastructure

2.1 Initially the airport will be built with one runway, 3,700 meters long in a north-east/south-west orientation (05/23) capable of catering for Code F aircraft. The runway will have CAT III ILS capability from both ends. A second runway has been considered and planned for when the capacity of the single runway is reached which is expected around 2050.

2.2 Aviation Rescue Fire Fighting Services will be provided at Category 9 with the ability to escalate to Category 10.

2.3 ATS will be provided by an Approach Unit and Aerodrome Services provided by a Digital Aerodrome solution. This will be the first Controlled Aerodrome built in Australia without a physical tower. The airspace classification is still to be determined, however there will be full surveillance coverage utilizing both ADS-B and radar. An advanced surface movement guidance and control system will be installed to assist with managing ground movements.

2.4 In the airports initial configuration and operations, the expectation is the airport will be capable of handling up to 10 million annual passengers, process up to 63,000 movements per year which equates to approximately 21 movements per hour. The expected capacity of the single runway is approximately 37 million passengers, which equates to approximately 185,000 movements per year (or the equivalent of 49 movements an hour).

### 3. ACTION BY THE MEETING

- note the information contained in this paper; and
- discuss any relevant matters as appropriate.

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