Perth Airport

Master Plan 2020

APRIL 2020

Welcome to Perth

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ACKNOWLEDGEMENT OF COUNTRY
We acknowledge the Noongar people as the Traditional Custodians of the land on which Perth Airport is located and recognise their continuing connection to land, waters and culture. We pay our respects to Elders, past, present and emerging.

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Foreword

On behalf of the Perth Airport Board, I am pleased to present our Master Plan 2020.

For more than 40 years, the planning for Perth Airport has been working towards the consolidation of all commercial air services to a central location.

Following the release of the past two Master Plans, Perth Airport completed its first stage of consolidation with a privately funded investment program worth more than $1 billion, delivering:

- a new T2 terminal dedicated to supporting flights to regional WA,
- a new T1 Domestic terminal which saw Virgin Australia relocate its services to the Airport Central precinct - a milestone to achieve our vision of consolidation,
- an expansion of the T1 international terminal,
- new taxiways, taxiway widening, enhanced lighting and navigation approach equipment as well as runway overlays, and
- significant upgrades to roads and carparks.

These developments have supported growth, increased efficiency and produced a better customer experience for our passengers.

This Master Plan 2020 outlines our next steps towards consolidation and ensures we address demand and growth, while striking a balance between economic development, environmental management and sustainability.

It also ensures that our infrastructure development coincides with the predicted growth. We forecast that by 2040:

- annual passenger numbers will nearly double to 28.5 million,
- annual aircraft movements will grow to 202,000 movements, and
- domestic and international air freight could grow to 383,000 tonnes.

We want to deliver the capacity and flexibility to allow our airline partners to grow their businesses which in turn helps the Western Australian economy grow.

Over the next ten years Perth Airport is planning to spend up to $2.5 billion building new facilities, including an expanded international terminal, construction of a new terminal for the move of Qantas Group operations to Airport Central, and construction of a new runway, to ensure Western Australia's airport is future proofed.

Our next wave of investment will give passengers a stress free, seamless travel experience, provide our airlines partners greater efficiency and room to grow and give Western Australia, its economy and its people the maximum benefit from the multibillion-dollar investments in road and rail projects made by the State and Commonwealth governments in recent years.

But it's not just about aviation; the airport estate's industrial and retail precincts also continue to generate new growth and new jobs for our city and State.

An important part of the Master Plan process was our commitment to transparent and effective community engagement during the 60 day public comment period. Our team held a number of events in various local government areas and also opened our Airport Experience Centre to give the public the opportunity to speak directly with the Perth Airport team about the plan.

During the preparation of the Master Plan, Perth Airport engaged with the Traditional Custodian representatives, including: the Whadjuk Working Group, the South West Aboriginal Land and Sea Council, and Aboriginal Partnership Agreement Group members.

Our website was also updated with Fact Sheets outlining the key components of the plan.

We encourage our community and business stakeholders to engage with us on our Master Plan 2020 so we can strengthen Australia's Western Hub to provide for the growing needs of the residents of Western Australia and our visitors, and to enable Western Australia to realise its full potential.

Kevin Brown
Chief Executive Officer
Perth Airport

Executive **Summary**

Perth Airport is Australia's Western Hub providing the people of Western Australia with a critical link to the rest of Australia and the world.

Perth Airport provides economic, social and cultural benefits for Western Australian's by connecting people, business and communities. This strengthens cultural, family and social bonds, as well as supporting business, tourism and leisure travel.

Perth Airport is located on 2,105 hectares of land owned by the Commonwealth of Australia. The airport is operated by Perth Airport Pty Ltd (previously known as Westralia Airports Corporation), under a 50-year lease with a 49-year option granted by the Commonwealth Government in 1997.

The Master Plan is the blueprint for the future development of Perth Airport. It provides transparency and facilitates public scrutiny of Perth Airport's development plans for the next 20 years and beyond. A new Master Plan is prepared every five years to comply with the Commonwealth Airports Act 1996.

Master Plan 2020 refreshes the Perth Airport Master Plan 2014 and considers changes over the past five years. For example, this Master Plan 2020 includes updates with regard to passenger, aircraft movement and freight forecasts, detailed planning for ground transport improvements, the Environment and Heritage Strategy action plan to be undertaken between 2020 and 2025, and the vision for development of the airport estate for the next 20 year planning period.

Forecast growth

Planning for Perth Airport is based on forecasts of future aviation growth. This ensures that terminal facilities, airfield infrastructure and ground transport requirements are determined and developed to meet demand.

Master Plan 2020 forecasts that by 2040:

- annual passenger numbers will nearly double to 28.5 million,
- annual aircraft movements will grow from 130,000 movements in 2018 to 202,000 movements, and
- domestic and international air freight could grow from 215,000 tonnes to between 263,000 and 383,000 tonnes by 2040.

Achieving consolidation

For more than 40 years, the planning for Perth Airport has identified the future consolidation of commercial air services to a central location, supported by a parallel runway system.

Over the past ten years, Perth Airport completed the first stage of consolidation with a privately funded investment program worth more than $1 billion. This investment included the opening of the $121 million Terminal 2 in March 2013, $80 million transformation of the Terminal 1 International arrivals experience in 2014, opening of the $338 million new Terminal 1 Domestic pier in 2015, and $250 million invested in new taxiways, taxiway widening, enhanced lighting and navigation approach equipment as well as runway overlays.

To meet forecast growth and provide a seamless experience for all travellers, Perth Airport has now planned an investment program of up to $2.5 billion to be undertaken over the next decade to achieve the consolidation of all commercial air services into the Airport Central Precinct. This includes:

- expansion of international terminal facilities through the upgrade projects,
- construction of a new terminal for the consolidation of Qantas Group operations to Airport Central by 2025,
- construction of Multi-Modal Transport Interchanges (MMTI) facilities (including multi-storey car parks) within the consolidated central terminal, and
- construction of a new runway.

Perth Airport today

24/7
operation

2,105
hectare site

2
runways

5
terminals

117
aircraft parking positions

130,115
aircraft movements

14.3
million passengers

215,000
tonnes of domestic and international freight

30
airlines

50+
destinations

16,700
aviation and non-aviation full-time jobs

$3.5b
to WA economy

26,000
car parking bays

$1b
private investment in infrastructure in the past 10 years

93%
of visitors to the State use air transport

Making the best use of Perth Airport land

Planning for the use of the 2,105 hectare airport estate balances the safeguarding of long-term airfield, terminal and aviation support operations with the development of land. This incorporates the efficient use and development of non-aviation land.

Master Plan 2020 divides the airport into five precincts. Two of these are solely aviation-related: the Airfield Precinct for aircraft operations and the Airport Central Precinct for passenger facilitation. The Airport West, Airport North and Airport South Precincts have, or are planned to have, a mix of aviation and non-aviation developments.

Perth Airport's status as a 'Specialised Activity Centre' in State Government strategic plans highlights the importance of the role the airport plays in promoting economic development and creating employment opportunities within Western Australia. The planning for Perth Airport identifies further opportunities for the development of high-quality commercial, industrial, retail, aviation support, and logistics and freight facilities.

Getting to and from Perth Airport

Ground transport planning is critical to the continual growth of Perth Airport and ensuring that there are good connections and easy access for people coming to and going from the airport.

The Ground Transport Plan seeks to ensure that the necessary road and public transport infrastructure is planned and provided as Perth Airport continues to grow. This is achieved through a collaborative approach with State and Local Governments to ensure that airport roads function in harmony with the surrounding road network and that public transport is developed and operated to a suitable level of service.

A key focus of Master Plan 2020 is ensuring that ground transport infrastructure is in place for the final stage of consolidation of commercial air services to Airport Central in 2025, including MMTI facilities and the new Airport Central Train Station.

Utilities Infrastructure

The safe, effective and efficient operation of Perth Airport and the activities within the estate depend upon having reliable access to services including power, water, drainage and telecommunications.

Perth Airport operates its own internal power, water, waste water and communications networks, integrating with the State's systems at the estate boundary. Perth Airport also controls stormwater drainage running through the estate. Gas and commercial telecommunications are provided throughout the estate by external suppliers.

Master Plan 2020 outlines the strategies to ensure utility services are reliable and available to meet current requirements as well as being adaptable to the growing needs of the airport as demand increases.

Safeguarding Perth Airport

As a critical element of public infrastructure that operates 24 hours a day, seven days a week, the current and future safety, viability and growth of Perth Airport operations must be appropriately safeguarded against inappropriate land development and activities in the areas surrounding the airport.

Safeguarding is a shared responsibility of Perth Airport and all levels of government.

Master Plan 2020 considers the National Airports Safeguarding Framework (NASF) guidelines, which include aircraft noise management, protecting airspace from intrusions, managing risk associated with public safety areas, distractions to pilots from lighting, building induced windshear, wildlife strikes, and protecting communication, navigation and surveillance infrastructure.

Aircraft Noise

Master Plan 2020 outlines Perth Airport's approach to working with Airservices Australia, government and the aviation industry to actively manage aircraft noise exposure and its effect on the surrounding community, while balancing the need for critical and safe air services.

Noise modelling has been produced for current and future operations, including a revised Australian Noise Exposure Forecast (ANEF) for Perth Airport, which was endorsed by Airservices in July 2019.

Current flight paths and indicative flight corridors for the future parallel runway operations are also provided.

Looking after the Environment and Heritage

Master Plan 2020 includes an Environmental Strategy and a Heritage Management and Engagement Plan which outlines the areas of environmental, sustainability and heritage focus in a five-year plan. The Environment and Heritage Strategy addresses factors which have been identified as having the potential to be impacted by airport development and operations, including biodiversity and land management, carbon and energy, air quality, ground-based noise and heritage locations. Specific heritage actions include further work with Traditional Custodians and engagement of Aboriginal businesses for land management works.

Working with the Community

Engagement and consultation with a wide range of stakeholders and the community plays a key role in managing and informing the transformation of Perth Airport.

Master Plan 2020 outlines the ongoing consultation and education mechanisms undertaken by Perth Airport to ensure that the diverse range of interests and needs of stakeholders – including Local, State and Federal Governments, airline partners, airport tenants, the Noongar people and the surrounding community - are taken into account in the planning and operation of the airport.

Conclusion

Perth Airport is a vital public transport facility that operates 24 hours a day, seven days a week. It provides an essential link for business and leisure travel and meets the needs of regional communities, the resource sector, and the freight and export industry.

The Perth Airport Master Plan 2020 has been prepared to ensure that Perth Airport is planned and developed incrementally in an effective and efficient manner to support the growth of the State whilst delivering passengers a seamless and quality travel experience.