

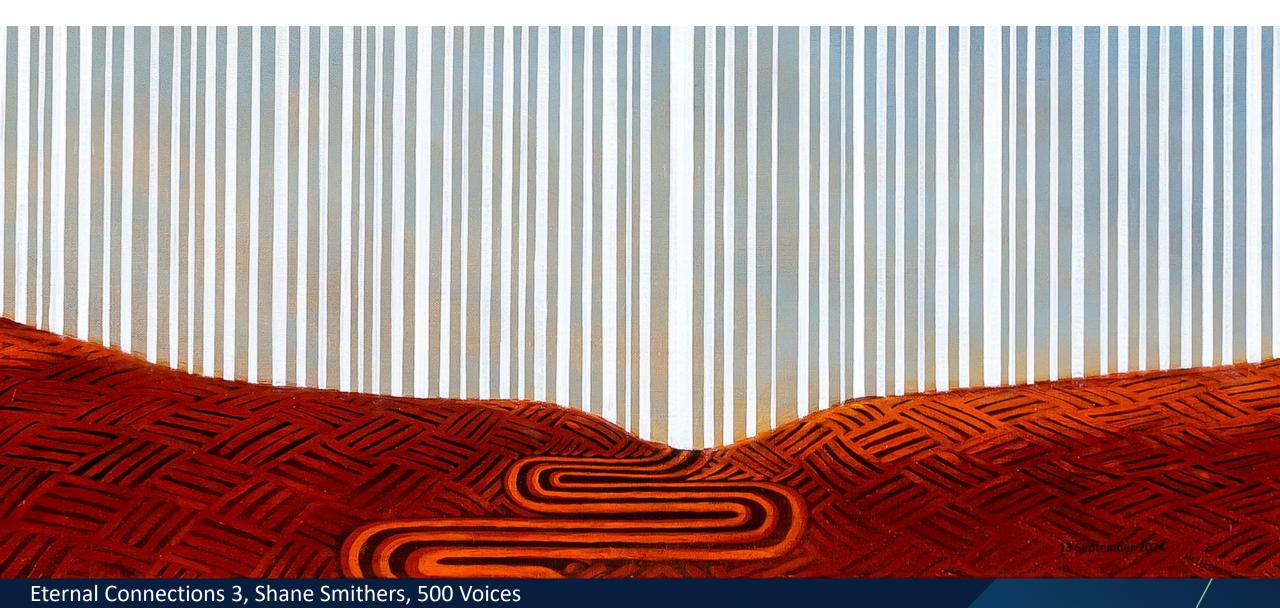
Forum on Western Sydney Airport (FoWSA)

2 August 2024



Acknowledgement of Country

I would like to begin by acknowledging the Traditional Owners and Custodians of the land on which we meet today, and pay my respects to their Elders past, present and emerging. I extend my respect to Aboriginal and Torres Strait Islander people joining us today.



Agenda

No.	Item	Presenter	Time		
1.	Welcome from the facilitator	Richard Wood	10:00am		
2.	Action items	Richard Wood	10:05am		
3.	Update on flight path design	To70	10:10am		
	Morning Tea		11:15am		
4.	Consultation update	WSP Australia	11:30am		
5.	Environmental assessment update	WSP Australia	12:00pm		
6.	EIS next steps	DITRDCA	12:30pm		
7.	Update from the Air Navigation Service Provider	Airservices Australia	12:45pm		
8.	Update from the airport operator	WSA Co	1:00pm		
9.	Other business	All	1:15pm		
	next meeting				
	 future discussion items 				
	Meeting close		1:30pm		

Actions items from previous meetings

	Item No.	Action Item	Response
	1	Department to provide a breakdown of the number of submissions received by postcode data.	Closed. Provided to FoWSA Members via email on 10/4/2024
March 2024	2	Department to provide an update on results from the final tranche of market research at the next FoWSA.	Open. To be provided at future meeting in 2025.
	3	Airservices to present on the aviation and firefighting station being built at WSI.	Open. To be provided at today's FoWSA.

Action items from previous meetings

	Item No.	Action Item	Response
27 June 2023	3	FoWSA to receive an update from Transport for NSW next year on the transport projects to support the opening of WSI.	Open. Briefing to be provided at meeting in 2025.
	4	FoWSA to receive briefing from WPCA on infrastructure activity in Western Sydney at future meeting.	Open. Briefing to be provided at meeting in 2025.

Update on flight path design



Airspace design principles



Safety is non-negotiable.



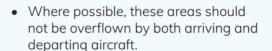
Aircraft arrivals will not converge through a single merge point over any one residential area.

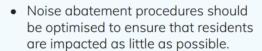


Overflights of residential areas and noise sensitive facilities will be avoided to the maximum extent possible.



Where flight paths are unable to avoid residential areas:







Airspace design will consider the impacts of air operations on natural and visually sensitive areas.



The community, aerodrome operators and airspace users will be consulted in determining the final flight paths.



Changes to the current noise sharing arrangements at Sydney (Kingsford Smith) Airport will be avoided.



Procedures will be developed to minimise the impact of night-time aircraft operations on the community while not constraining airport operations.



Noise mitigation measures will be developed.



Current airspace restrictions, such as those associated with military establishments, will be reviewed to improve efficiency and environmental impacts.



Ensure land use planning continues to prevent noise sensitive development in the highest noise exposure areas.



Arrivals will use a continuous descent approach where possible to reduce noise and greenhouse emissions.

Submission Consideration

All Submissions

Received and considered

Flightpath/Airspace Specific

Referred to design team for possible consideration

Proposals Developed



Design update - Key considerations

Proposals Developed

- Safe to implement
- Were flyable
- Improved flyability
 - Less slow speed
 - Less flap deployment

Design update

The design process is on-going and will continue beyond the current phase into the Detailed Design Phase.

The department is now consulting on two proposals for the Reciprocal Runway Operations (RRO) mode, which have been developed in response to submissions made by the community on the 2023 Draft

EIS.



Proposal 1:

Revised flight paths for jet aircraft travelling east from WSI during RRO

Proposal 2:

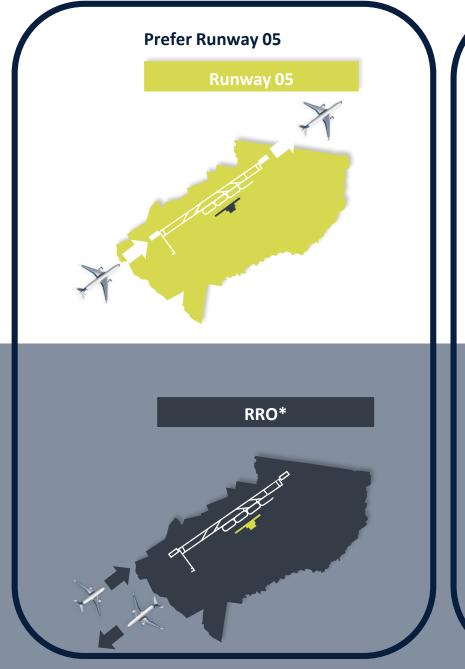
RRO noise abatement procedure

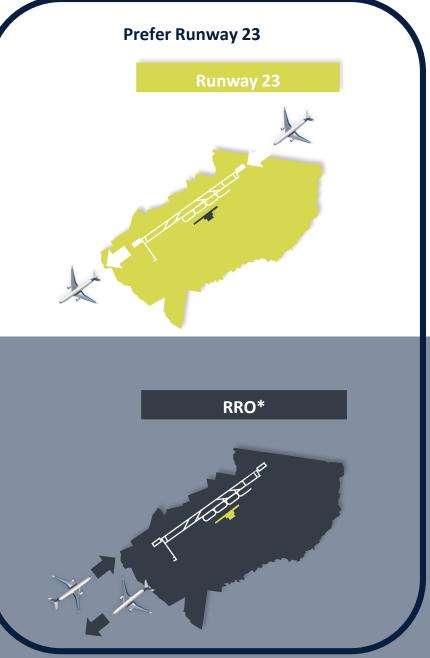
Day - Evening 5.30 am to 11 pm



Overnight 11 pm to 5.30 am







Reciprocal Runway Operations (RRO) - Criteria

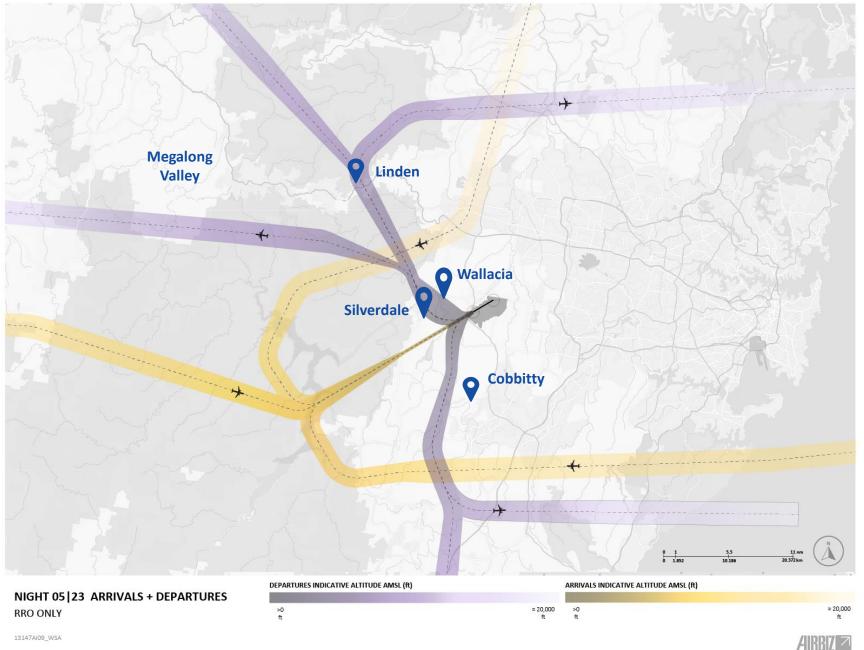
- Safety
 - Involves nose-to-nose flight paths
 - Managed by traffic demand and complexity
- Wind
 - <5kts tailwind- departure or arrival
- Precipitation
 - Runway dry
- Availability
 - RRO ~78%



Current RRO Design - Draft EIS

Key Features

- Departures-early turns
- Arrivals straight-in final





Proposals

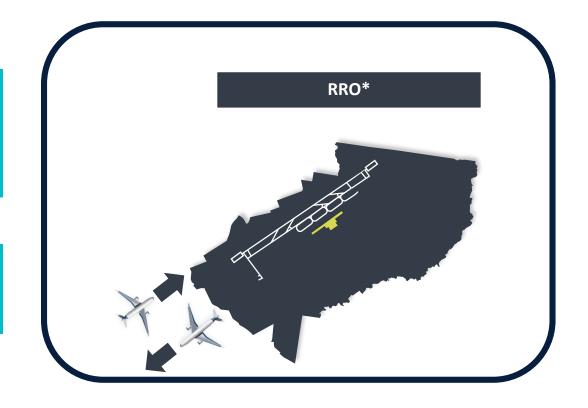
Both proposals are in relation to the RRO mode

Proposal 1:

Revised flight paths for jet aircraft travelling east from WSI during RRO

Proposal 2:

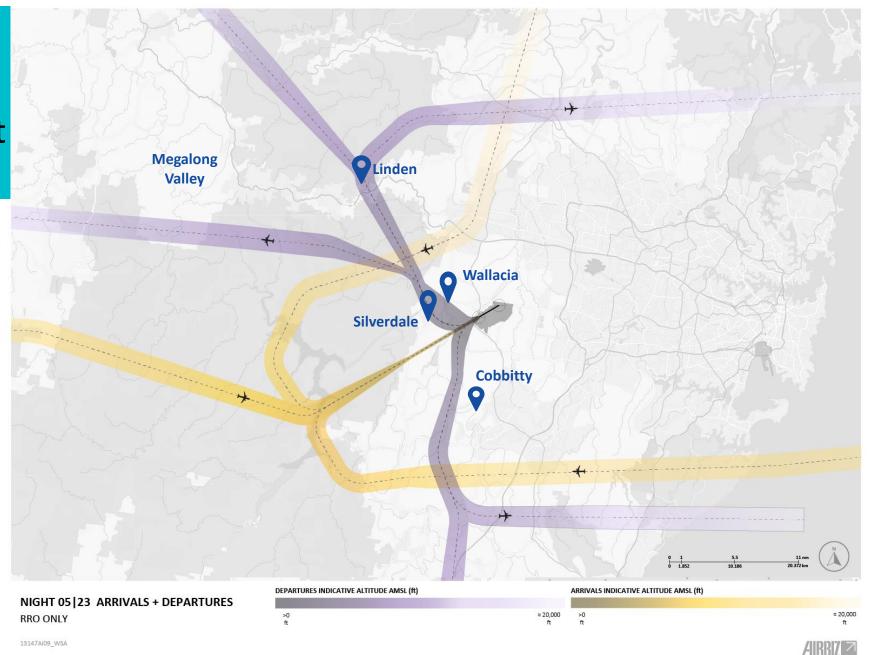
RRO noise abatement procedure



Proposal 1:

Revised flight paths for jet aircraft traveling east from WSI during RRO

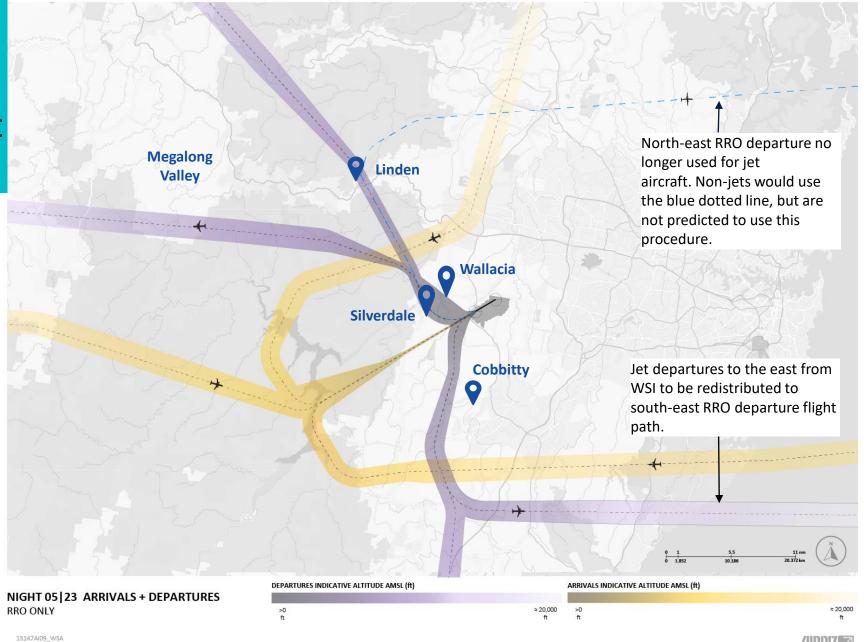
This image shows the RRO mode that was published in June 2023 and in the 2023 draft EIS



Proposal 1:

Revised flight paths for jet aircraft traveling east from WSI during RRO

This image shows the proposed RRO mode with revised flight paths for jets travelling east from WSI at night





Noise Abatement Procedures

Noise Abatement procedures are procedure that are developed by the airport and ATC in consultation with the airlines and the community to minimise aircraft overflight noise.

They provide guidance to Pilots and ATC on:

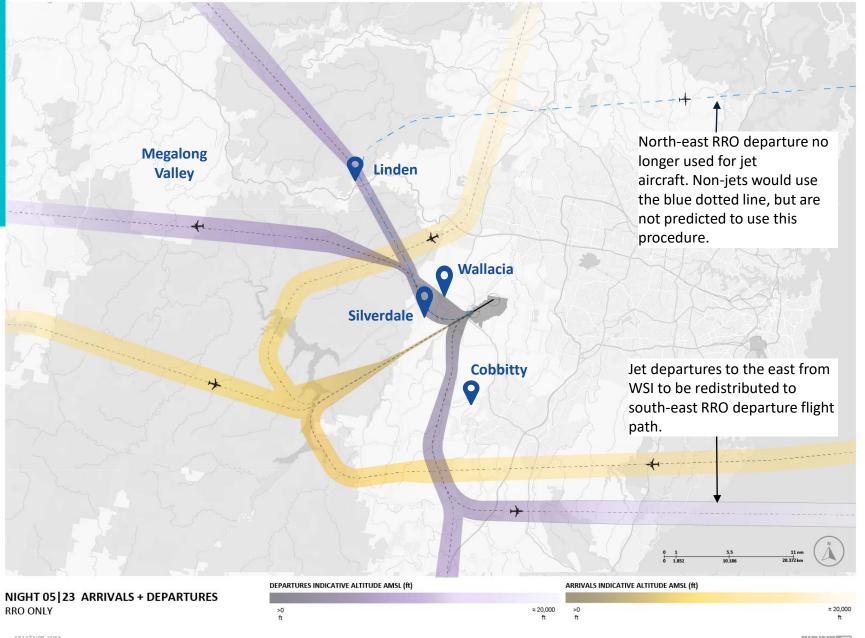
- Noise preferred runways and flight paths selection
- Aircraft operating procedures such as flap deployment and thrust settings

Proposal 2:

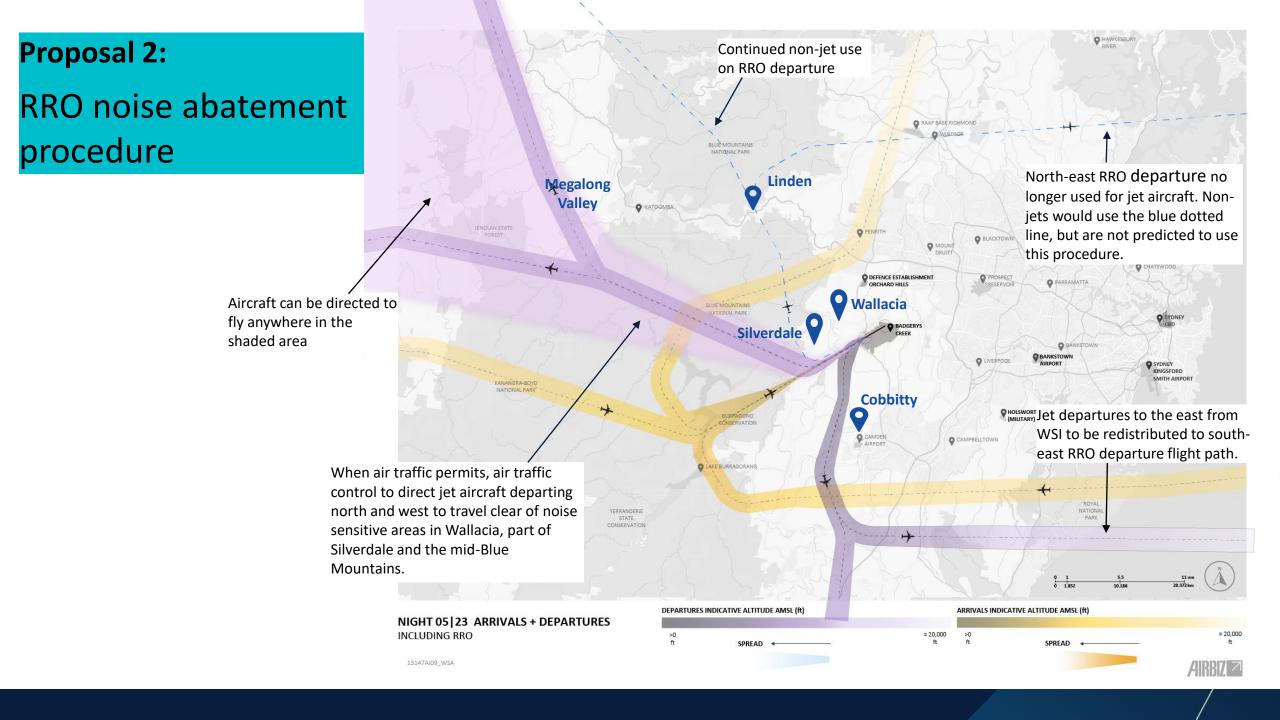
RRO noise abatement procedure

^{*}Proposal 2 would be a modification to the way that the RRO mode is planned to operate

Proposed RRO mode with revised flight paths for jets travelling east from WSI (Proposal 1)



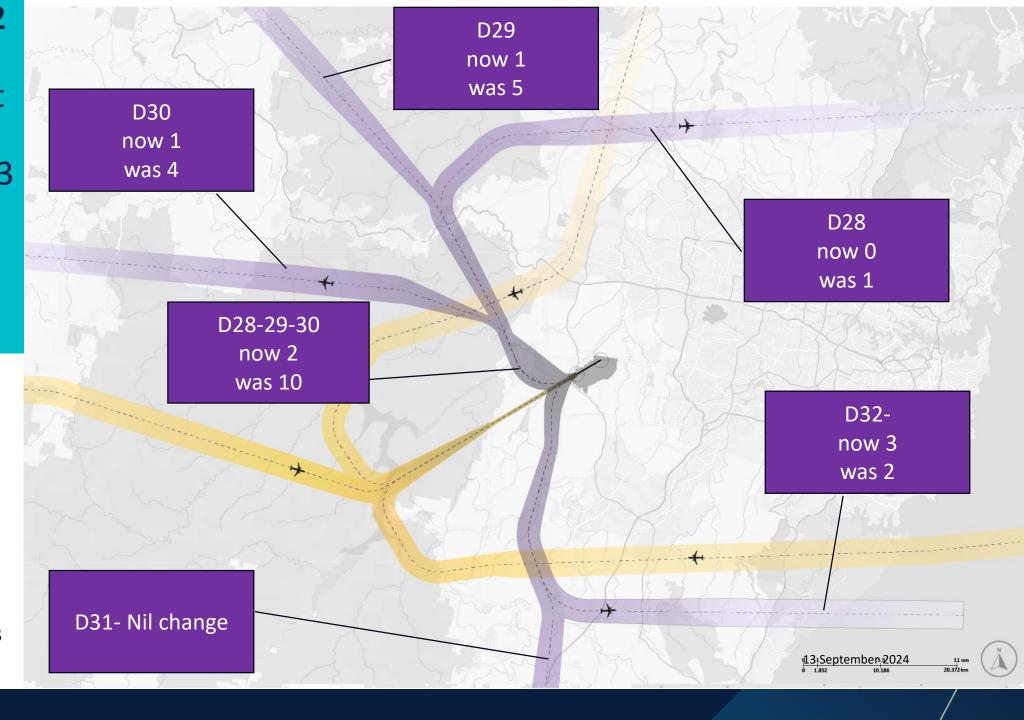




Proposals 1 and 2

Maximum aircraft overflights predicted for 2033 – comparison with the current RRO design

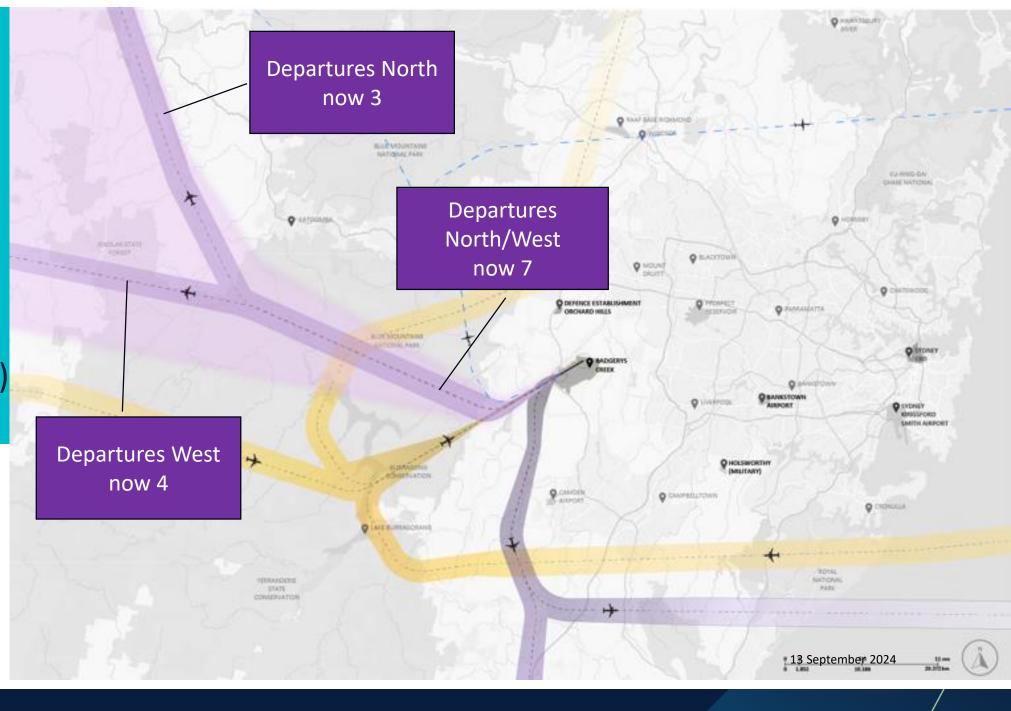
Note: The D-labels refer to flight paths. The count represents the maximum average number of aircraft expected per night for 2033



Proposals 1 and 2

Maximum aircraft overflights predicted for 2033 – proposed RRO mode with use of RRO NAP when traffic permits (Proposals 1 and 2)

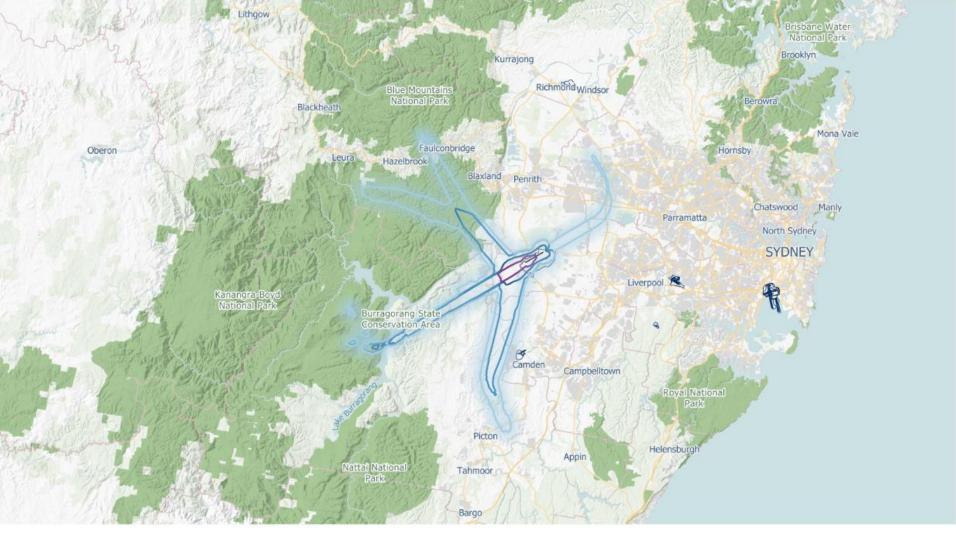
Note: The D-labels refer to flight paths. The count represents the maximum average number of aircraft expected per night for 2033



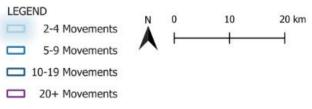
Noise impacts – Proposals 1 and 2

N60 night contours for 2033 – Before

This is the N60 night contour map published in June 2023 and in the 2023 draft EIS



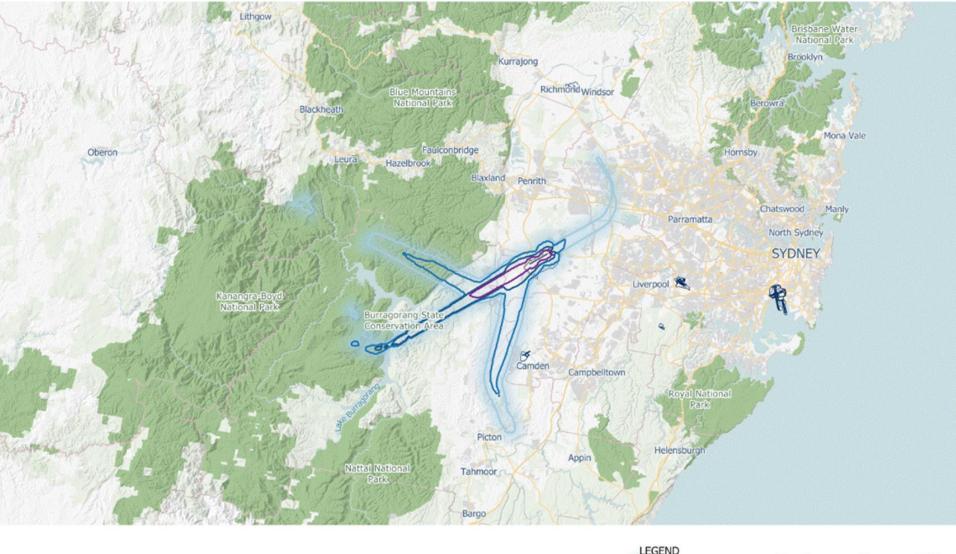
PAL 1 (2033) N60 - Night (11pm-5:30am) Scenario 4



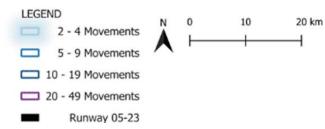
Noise impacts – Proposals 1 and 2

N60 night contours
2033 – After

This is the N60 night contour map with the 2 flight path proposals



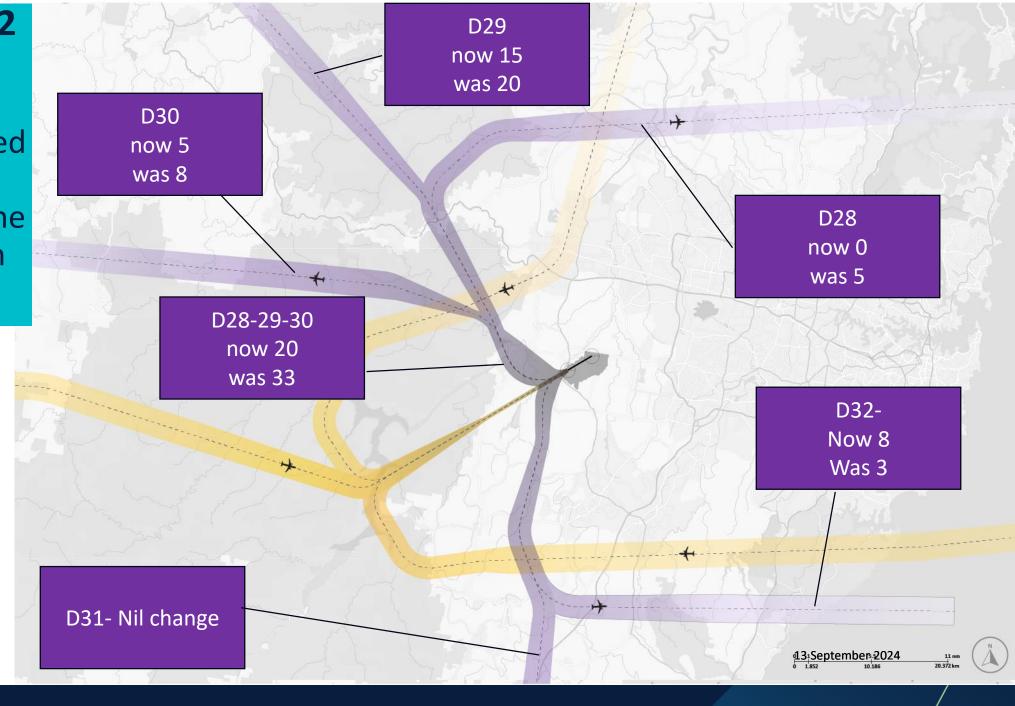
PAL 1 (2033) N60 - Night (11pm-5:30am) Scenario 4



Proposals 1 and 2

Maximum aircraft overflights predicted for 2055 – comparison with the current RRO design

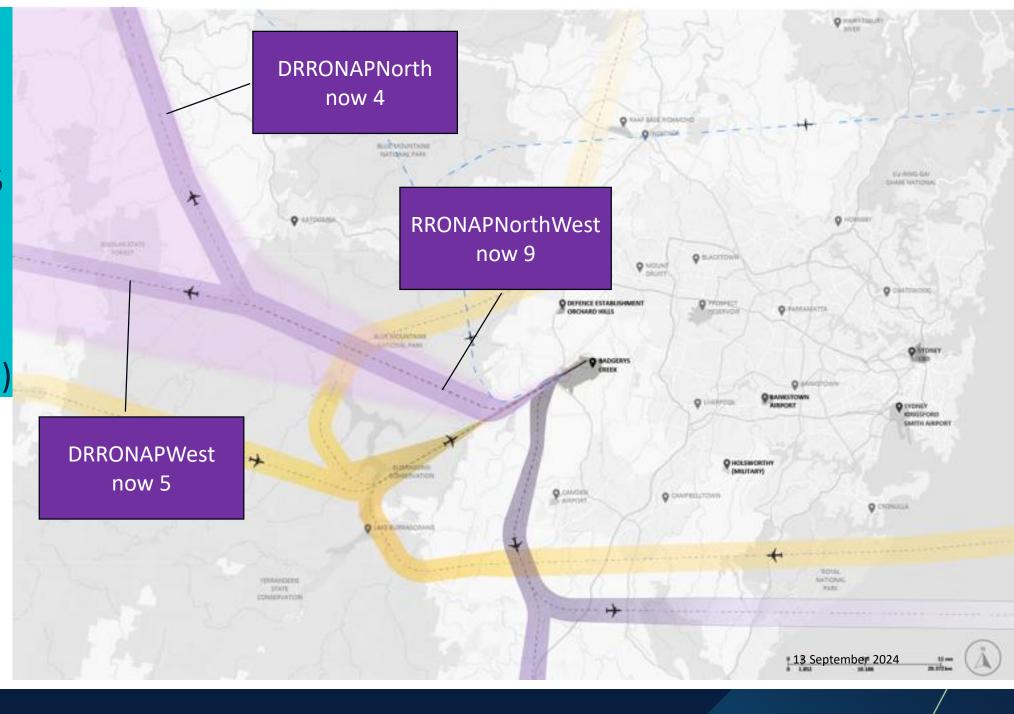
Note: The D-labels refer to flight paths. The count represents the maximum average number of aircraft expected per night for 2033



Proposals 1 and 2

Maximum aircraft overflights predicted for 2055 – proposed RRO mode with use of RRO NAP when traffic permits (Proposals 1 and 2)

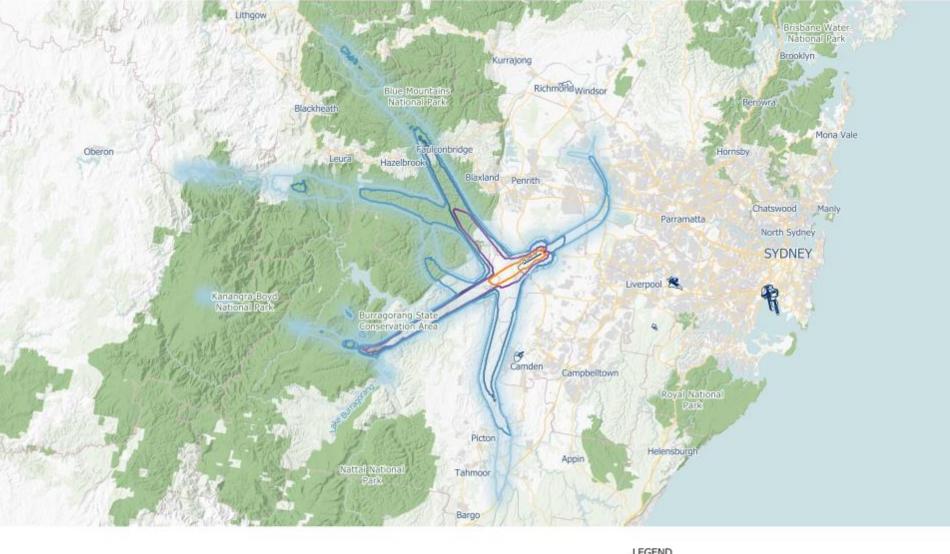
Note: The D-labels refer to flight paths. The count represents the maximum average number of aircraft expected per night for 2033



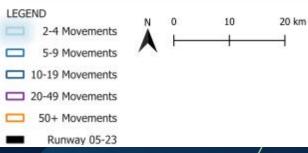
Noise impacts – Proposals 1 and 2

N60 night contours for 2055 – Before

This is the N60 night contour map published in the 2023 draft EIS



PAL 3 (2055) N60 - Night (11pm-5:30am) Scenario 4



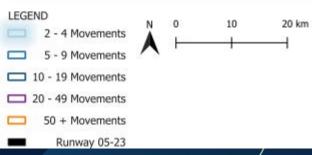
Noise impacts – Proposals 1 and 2

N60 night contours for 2055 – After

This is the N60 night contour map with the 2 flight path proposals



PAL 3 (2055) N60 - Night (11pm-5:30am) Scenario 4



Questions?

Morning tea break



Engagement update

Deborah Palmer, Communications and Stakeholder Engagement,
WSP Australia

Since we saw you last

- Release of a 'Draft EIS submissions overview' brochure
- All submissions, excluding confidential submissions, have been published on wsiflightpaths.gov.au
- The department attended the WSA Open Day on 22 June 2024 and spoke with about 200 people



Engagement principles

Principles



Prioritise the most heavily impacted



Tailor communications and engagement to different audiences



Take people on the design journey



Be direct



Simplify the complex



Respond to new information as it emerges

Targeted consultation on 2 flight path proposals in August 2024

- Aim is to raise awareness and understanding of the proposals and to hear feedback.
- Encourage residents and stakeholders to attend their local community information and feedback session, or the online info session, to find out more and have their say.
- The primary target audience is residents and businesses in the areas that will be particularly impacted by the two flight path proposals:
 - Silverdale, Wallacia, Warragamba, Linden, Faulconbridge, Greendale, Megalong Valley, Woodford, Bringelly, Cobbitty, Ellis Lane, Theresa Park and Mount Hunter.

Raising awareness – Mail

Information flyer will be distributed to residential and business addresses in the following locations:

- Silverdale, Wallacia and Warragamba
- Linden, Faulconbridge and Woodford
- Megalong Valley
- Bringelly, Greendale, Cobbitty, Theresa Park, Mount Hunter, Ellis Lane

Flyer will be delivered from 3 August





An update on the preliminary flight paths in your area for Western Sydney International (Nancy-Bird Walton) Airport

Visit wsiflightpaths.gov.au to find out more

Dear resident/business owner,

Following feedback received on the preliminary flight paths for Western Sydney International (Nancy-Bird Walton) Airport draft Environmental Impact Statement, the Australian Government is consulting your community on two flight path proposals for the airport. These are:

- revised flight paths for jets travelling east from the airport at night.
- · a new noise abatement procedure for overnight aircraft.

These proposals may impact your area.

You are invited to attend a community information and feedback session (online or in-person) during August 2024 to find out more and have your say.

To learn more about the proposals, community session details and how to provide feedback:

The final preliminary flight paths will be in the final Environmental Impact Statement due



Visit wsiflightpaths.gov.au

to be released in late 2024.



Phone 1800 038 160 (Monday-Friday, 9am-5pm)



Email wsiflightpaths@infrastructure.gov.au



them to call the engagement team on **1800 038 160**.



Information in your language



Translating and Interpreting Service (TIS National)

If you require the services of an

Service on 131 450 and ask

Raising awareness – Social media

A social media campaign with targeted posts to the impacted areas will begin 3 August 2024.

We encourage members to share details of the upcoming online webinar and CIFS via their social media channels.



Raising awareness – Press

Notices of the community information and feedback sessions will be published in the following newspapers:

- Western Weekender
- The District Reporter
- Blue Mountain Gazette



Australian Government

Department of Infrastructure, Transport, Regional Development, Communications and the Arts

Western Sydney International Airport flight path design

The Australian Government is consulting affected communities on two flight path proposals for the Western Sydney International (Nancy-Bird Walton) Airport. These are:

- · revised flight paths for jets travelling east from the airport at night; and
- · a new noise abatement procedure for overnight aircraft.

Your area may be impacted by the proposals.

Attend a community information and feedback session to find out more and have your say.

Mon 12 Aug, 7 - 8.30pm Online

Wed 14 Aug, 4 - 7pm Wallacia Progress Hall, 40 Greendale Rd, Wallacia

Thu 15 Aug, 4 – 7pm Megalong Community Hall, Megalong Rd, Megalong Valley
Thu 22 Aug, 4 – 7pm Faulconbridge Community Hall, 9-9A Home St, Faulconbridge

Sat 24 Aug, 9am – 12pm Cobbitty Public School, 306 Cobbitty Rd, Cobbitty

For more information and to register for an event, visit wsiflightpaths.gov.au

www.infrastructure.gov.au

61SD_4974

New brochure on the flight path proposals

A new brochure has been developed to support the community to understand the proposals.

The brochure details the two proposals as presented by To70 today.



Online information and feedback session

A webinar will be held on 12 August 2024

- Detail about the two flight path proposals
- Overview of environmental assessment for the proposals
- Opportunity to give feedback
- Facilitated Q & A with expert panel members



Community Information and Feedback Sessions (CIFS)

Date	Location	Time
12 August	Online	7pm – 8.30pm
14 August	Wallacia Progress Hall	4pm – 7pm
15 August	Megalong Valley Community Hall	4pm – 7pm
22 August	Faulconbridge Community Hall	4pm – 7pm
24 August	Cobbitty Public School	9am – 12pm



Other activities

- Email to key stakeholders informing them of the proposals and consultation and asking them to promote the community events with their networks
- Emails to the project mailing list (over 2,000 people) to advise them
 of the consultation, new brochure available and community
 engagement options
- Stakeholder briefings
- Story on the department's website <u>www.infrastructure.gov.au</u>

Having your say

There will be no formal submission process.



We encourage people to attend and give feedback at a community information and feedback session (CIFS).



Written feedback can also be provided by email to wsiflightpaths@infrastructure.gov.au.

The department will consider feedback received at CIFS in reviewing the proposals for inclusion in the final EIS. The department will endeavor to consider written feedback.

Community Engagement Team contact details

Dedicated phone number:

1800 038 160

Email:

wsiflightpaths@infrastructure.gov.au

Online Community Portal:

wsiflightpaths.gov.au



Environmental assessment update

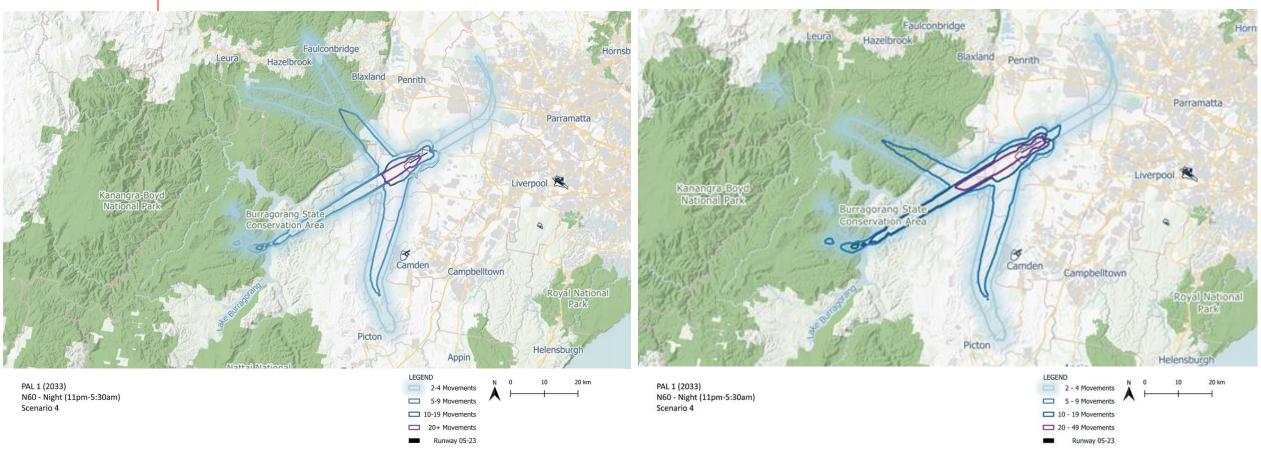
Louise MacDonald, Principal Environmental Manager, WSP Australia

Aircraft Noise

- The assessment has considered the 3 reference years set out in the draft EIS: 2033, 2040 and 2055.
- N60 night noise contours for the current RRO mode were published in with the draft EIS. The 'after' images show the N60 night noise contours for the RRO mode of operation with the 2 proposals.
- The N60 night measure shows the number of events at or above 60 decibels that would be experienced by a receiver at ground level on an average night between 11pm and 05:30am. The N60 measure is generally used for night-time aircraft movements.

Noise impacts – Proposals 1 and 2 – N60 night contours for 2033

Before After



N60 night contour map published in June 2023 and in the draft EIS.

N60 night contour map with the 2 flight path proposals.

Noise impacts – Proposals 1 and 2 – N60 night contours for 2040



N60 night contour map published in June 2023 and in the draft EIS.

N60 night contour map with the 2 flight path proposals.

Noise impacts – Proposals 1 and 2 – N60 night contours for 2055



N60 night contour map published in the draft EIS.

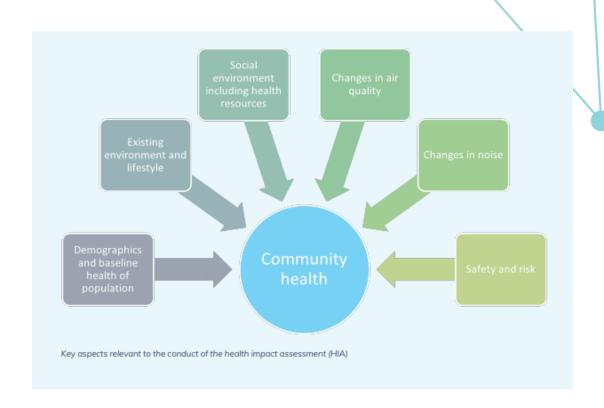
N60 night contour map with the 2 flight path proposals.

Matters of National Environmental Significance

- The proposals would not be expected to change the overall assessment on any Matters of National Environment Significance (including impacts on the Greater Blue Mountains Area (GBMA)) compared to the assessment in the draft EIS.
 - Some areas of the GBMA to the north of Lake Burragorang would be newly overflown under the proposals.
 - Some areas of the GBMA to the south of the Great Western Highway and to the north and east of Blackheath would no longer be overflown under the proposals.
- The additional areas of overflight associated with the RRO noise abatement procedure (RRO-NAP) proposal are also already overflown during daytime periods under the preliminary flight paths and would have similar impacts during RRO-NAP.

Human health

- Overall, the impacts associated with the proposals are small and would not result in changes to conclusions in the draft EIS.
- % highly sleep disturbed (HSD) is essentially unchanged from that presented in the draft EIS under the proposals.
- A very small increase in the average %HSD is noted for Greendale and Silverdale, and a very small decrease in the average %HSD is noted for Mulgoa and Wallacia.



Biodiversity

- The proposals would not result in changes to the overall biodiversity impacts as assessed in the draft EIS.
- A portion of the Blue Mountains National Park to the north of the Great Western Highway would see reduced overflight under the proposals.
- However different areas of the southern portion of the Blue Mountains would be newly overflown by departing aircraft under the proposals, resulting in a similar overall level of overflight of the area as a whole.

Heritage

- These proposals are not expected to change heritage impacts.
- Impacts to Aboriginal Places close to WSI and the Greater Blue Mountains Area
 World Heritage site remain the same as the draft EIS.

Landscape and visual amenity

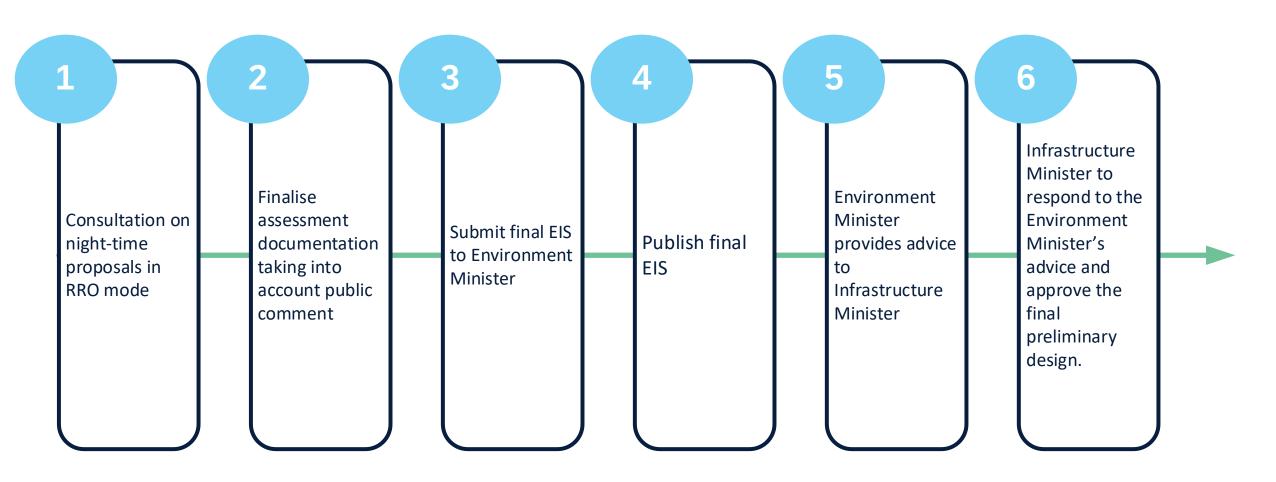
- Overall, the proposals would result in a minor positive change to the impact.
- For urban and semi-urban areas including towns along the Great Western
 Highway, there would be reduced impacts under the proposals as flights
 would continue to travel south of the Great Western Highway before turning
 north west of Katoomba.
- The main change in overall visual impacts would be for:
 - Wallacia and Mulgoa, which would likely experience slightly reduced impacts due to a reduced number of overflights under the proposals
 - South of Silverdale, which could experience an increased level of impact due to movements under the proposals.

Environmental Impact Statement next steps

David Jansen, Assistant Secretary, Western Sydney Airport Regulatory Policy Branch



Next steps



Update from the Air Navigation Service Provider





WSI Airport Aviation Fire Fighting and Rescue (ARRF) Service

FOWSA - August 2024

ARFF service key requirements



45 seconds

response from alert to tender

2 minutes

response from alert to incident



WSI Airport - Operational Environment



- The size (length and width) of the largest aircraft serving an airport determines the service category we provide
- 2026 5 million passengers per annum
- 2026 aircraft 50% Airbus 320
 25% Boeing 737
- Category 8 fire station on opening
- 2031 up to 10 million passengers per annum
- Category 10 capability to accommodate future expansion
- Categories dictate the required amount of water and foam that is needed to be carried, the response times, water discharge rates and the number of personnel.



Fire station & training facility



Multiple functions



- Fire station for active firefighting protection of people, aircraft and buildings
- Firefighting training facility
- Tech workshop
- EVT workshop



Design and construction



- Designed by AECOM in association with Architectus
- Construction contract to be awarded imminently
- Construction to commence Q3 approximately 18 months duration



architectus"

Fire station features

airservices

- Digital Fire Control Centre displaying a 360degree view of the aerodrome, and a pan-tiltzoom camera – using DAS equipment/technology
- Four emergency response tender bays with charging stations, a replenishment bay and two light vehicle bays
- Emergency vehicle technician workshop
- Equipment room, storage space for hose, branches, axes and personal protective equipment
- Airservices maintenance area (for navigation aid equipment maintenance)
- Car park, open plan office, meeting rooms, kitchen with dining space, 16 private spaces in main dormitory, stand down room and gym



Training facility features

- Hot fire training ground
- Training tender bays
- Virtual reality training and driving simulator
- Multi-purpose training room





Designed to be constructed to Green Star environmental standards



- Building will use up to 20% less energy and up to 35% less water than average buildings
- Photovoltaic solar power supply
- High performance glazing and fabric wall insulation
- LED light fittings reducing lighting energy consumption
- 25% of water use will be from captured rainwater
- Use of low or non-toxic paints, adhesives, sealants, carpets, and engineered wood products
- Diverting at least 80% of construction waste from landfill



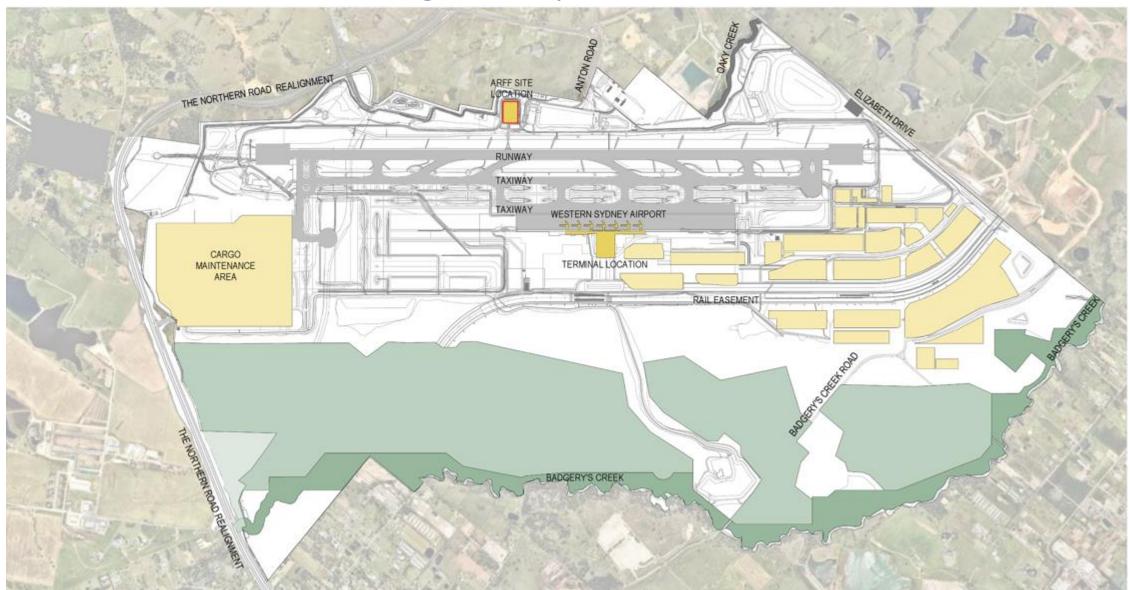
ARFF station & training facility location





ARFF station & training facility location





Functional areas



Total site: 8000sqm

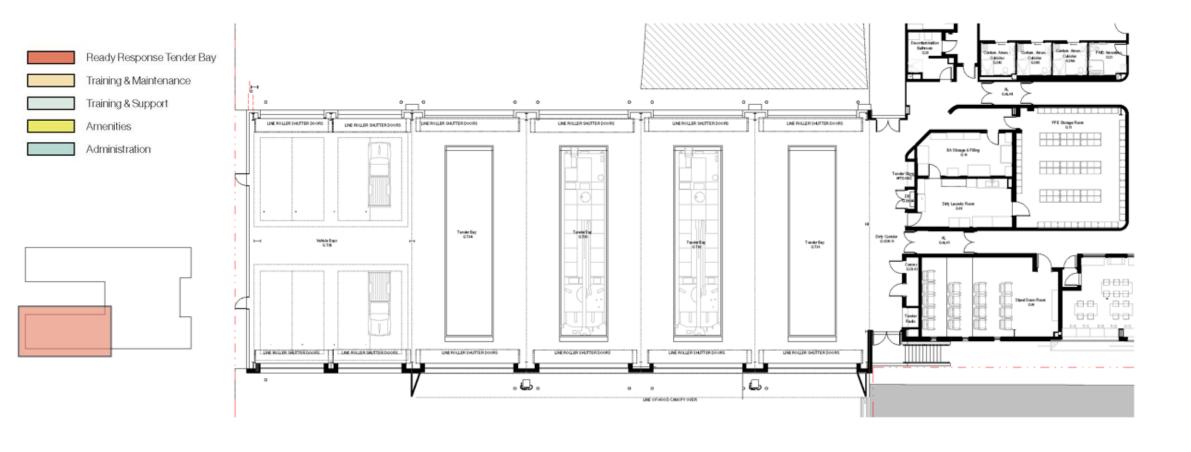
• Floor area: 5700sqm





Ready Response Tender Bay

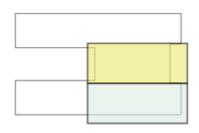


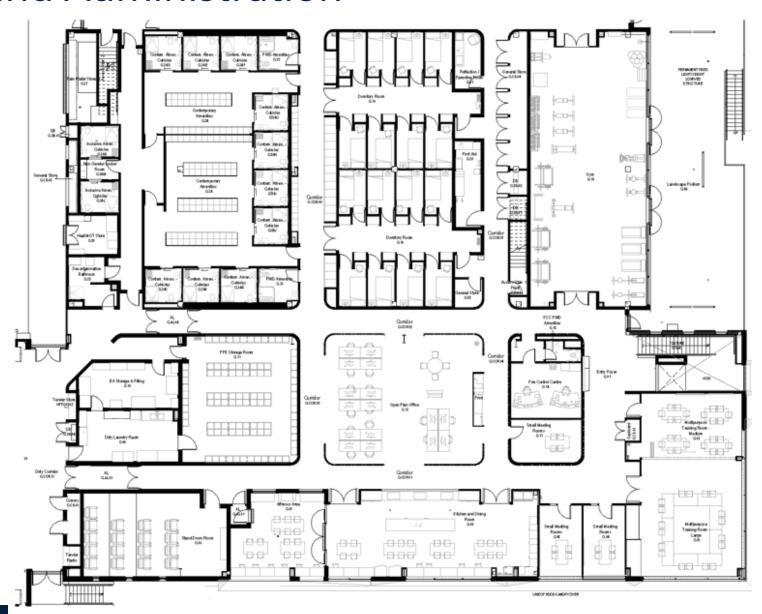


Amenities and Administration





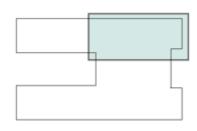




Training and Support





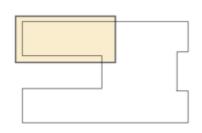


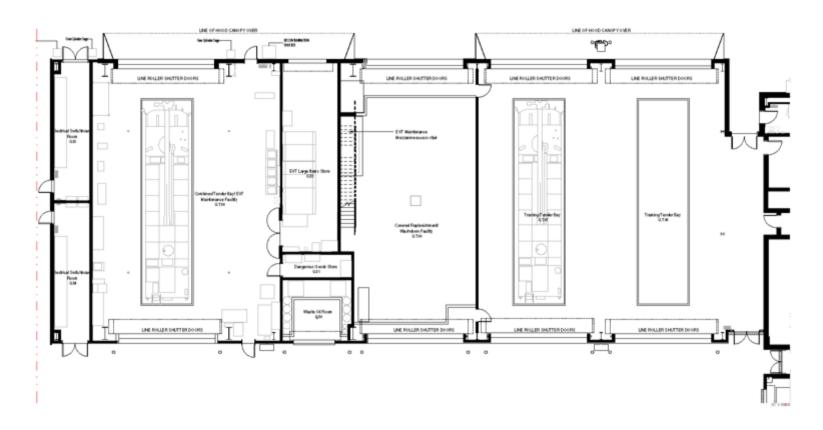


Training and Maintenance



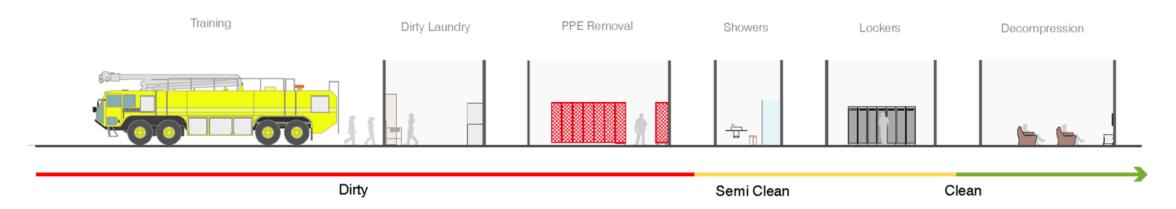




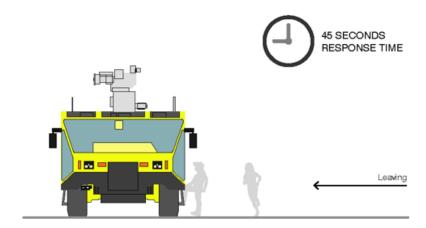


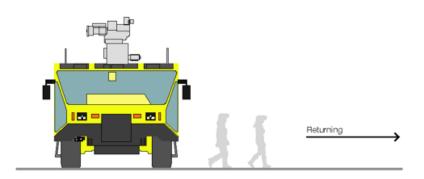
User flow diagrams





User Flow Diagram - Dirty to Clean





Ready Response Tender Bays





Corner view – main entrance to the right





Main entrance with alfresco dining area to the right





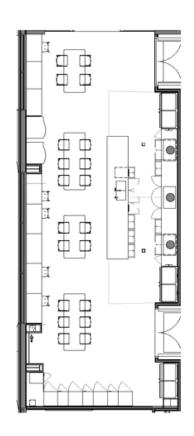
Open plan office, meeting rooms





Kitchen and dining







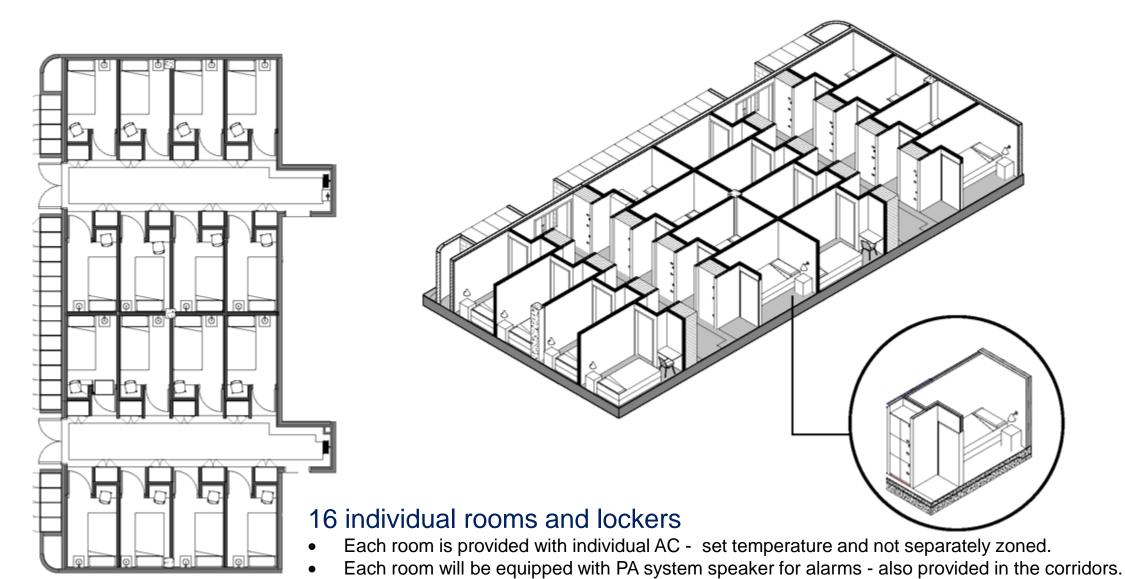
Dormitory





Dormitory

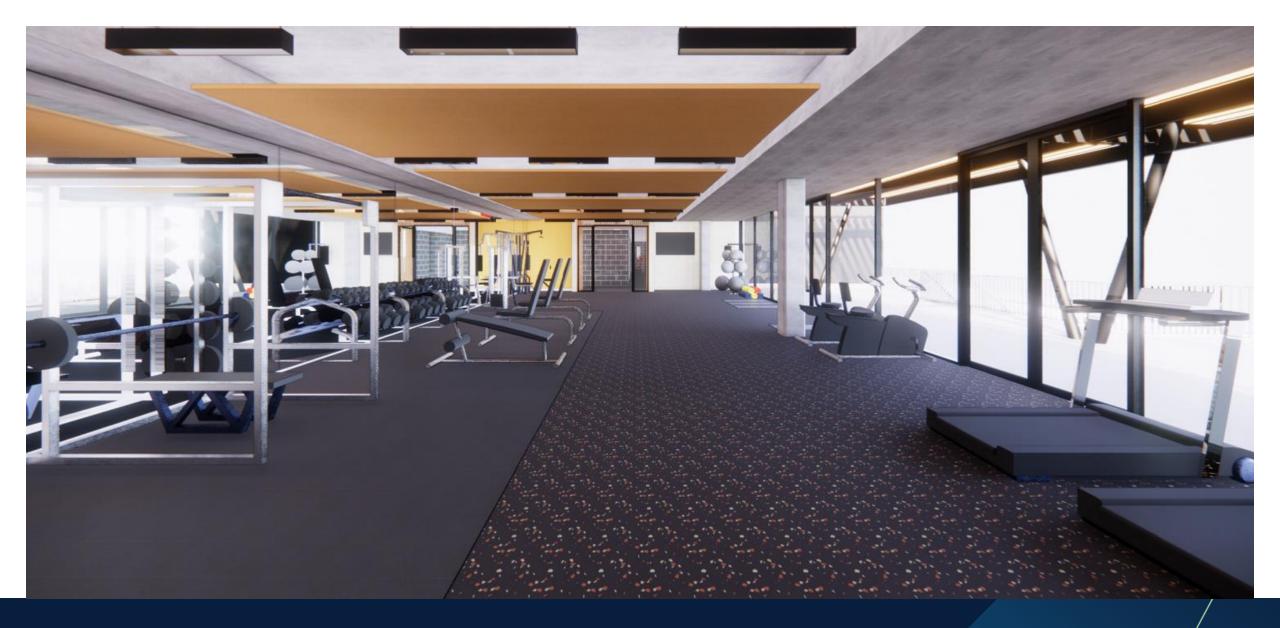




Doors are solid core with no viewing panels.







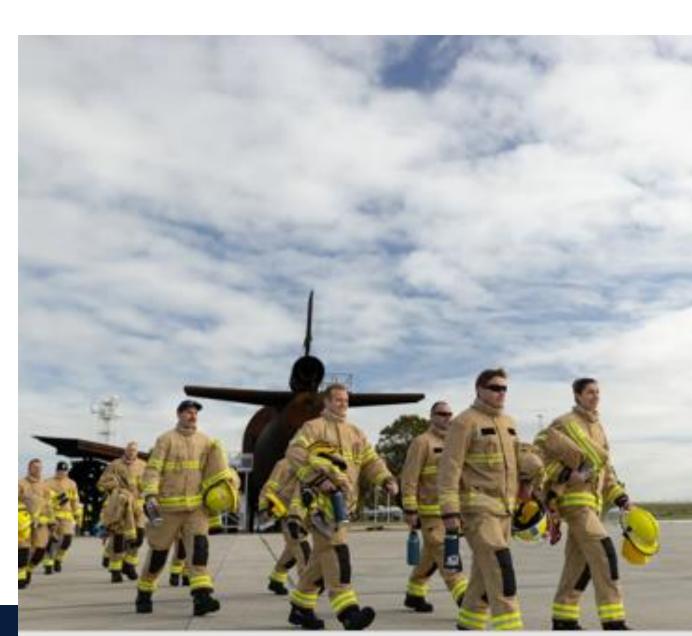


Resource, Training and Transition

Resource



- Category 8 station requires team size = 40 people
- Combination of new recruits and internal experienced fire fighters
- Line leader appointed in April 2024
 - ✓ Assisting to ensure successful operational commissioning
 - ✓ Working closely with WSA Co to ensure Airservices is incorporated into appropriate airport procedures and operations
- 1st internal Expression of Interest (EOI) Dec 2023 to March 2024 – received 25 applications
- EOI for Fire Commanders and Station Officers in July, open for 1 month
 - ■2nd internal EOI 2nd half of 2024



Training and Transition

The team will undergo training and certification on all ARRF systems, including the new hybrid fire vehicles and the digital Fire Control Centre.



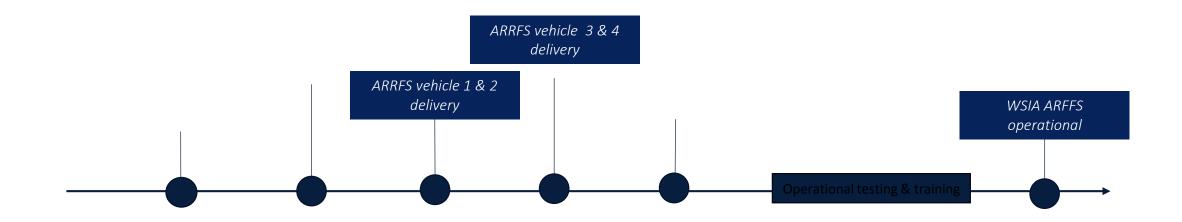


airservices australia

Timeline

Roadmap (high-level) – WSIA ARRFS





Questions?

Update from the Airport Operator





In the media

WSI invests more than \$500 million in Western Sydney businesses

This was invested across about 360 Western Sydney businesses since construction began in campaign and South West Voice.

WSI kicks off development of its Business Precinct

WSI announced a joint venture partnership with leading Australian property group Charter Hall

The announcement was covered by 9News, 7News, 2GB, the Daily Telegraph, News.com.au, Nepean News, Real Estate Business, The Urban Developer and Australian Aviation, amongst other outlets.

WSI construction progresses with installation of aerobridges

The aerobridges connect connect to fixed link bridges that transport passengers between planes and the terminal. 7News ran a story about the installation.

WSI Terminal roof complete

Minister for Infrastructure Catherine King, visited WSI to mark the completion of the terminal roof on 30 July.

:::: NEWS

Western Sydney Airport Business Precinct development breaks ground







The Sydney Morning Herald



Enormous windows and high ceilings are elements of the design, allowing light to stream into the terminal. Natural light will help guide passengers to and from gates and other parts of the terminal, as well as serving a





Community Engagement update

FY 2024:

- Delivered **221** programs and initiatives across Western Sydney.
- Total direct engagement with 18,460 people
- Facilitated an additional 35 community information sessions with Department through flight path consultation.
- 534 direct engagements with First Nations people.

Experience Centre

84,719 since opening in 2019 (as of 23/7)



Activations and Engagements (March-July)



17
Community
Activations



58
School Engage ments



12
First Nations
Engagements and
Activations



13,817 Interactions 179,876 Reach



Airport progress





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Sign up for updates and unique WSI experiences

Visit the Experience Centre Mon – Wed, Sat-Sun: 10am-4pm



- westernsydney.com.au
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Other business