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GREEN AIRPORTS

Community Engagement on Aircraft Noise at Brisbane, Australia

Karyn Rains

Approvals and Communications Manager
New Parallel Runway Project
Brisbane Airport, Australia





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OUTLINE

1. BRISBANE AIRPORT BASICS
2. DEVELOPMENT HISTORY
3. BRISBANE'S NEW RUNWAY
 - A. EIS APPROVAL PROCESS
 - B. BUILD PERIOD
 - C. RUNWAY OPENING IN 2020
4. HISTORY OF ENGAGEMENT APPROACH
5. THE CHANGE IN COMMUNITY EXPECTATIONS



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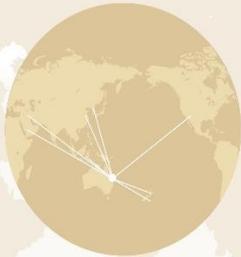
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KEY FACTS



22.9

million
Total Annual Passengers
(+ 1.8%)



30

International Direct
Destinations



5.6

million
Annual International
Passengers
(+ 6.9%)



605

International Aircraft
Movements
(per week on average)



17.2

million
Annual Domestic Passengers
(+0.2%)



3,033

Domestic Aircraft
Movements
(per week on average)

2016/17

AUSTRALIA'S 3RD BUSIEST AIRPORT HANDLING 23M PAX & 200K AIRCRAFT PER YEAR THAT IS, ON AVERAGE OVER 60K PEOPLE AND 550 AIRCRAFT PER DAY

MONTREAL, CANADA, NOVEMBER 29-30, 2017

BRISBANE AIRPORT – WHOLLY PRIVATELY OWNED



Brisbane Airport Corporation (**BAC**) is a private company.



BAC purchased the Brisbane Airport long-term lease (50 + 49yr option) from the Australian Govt on 2 July 1997.

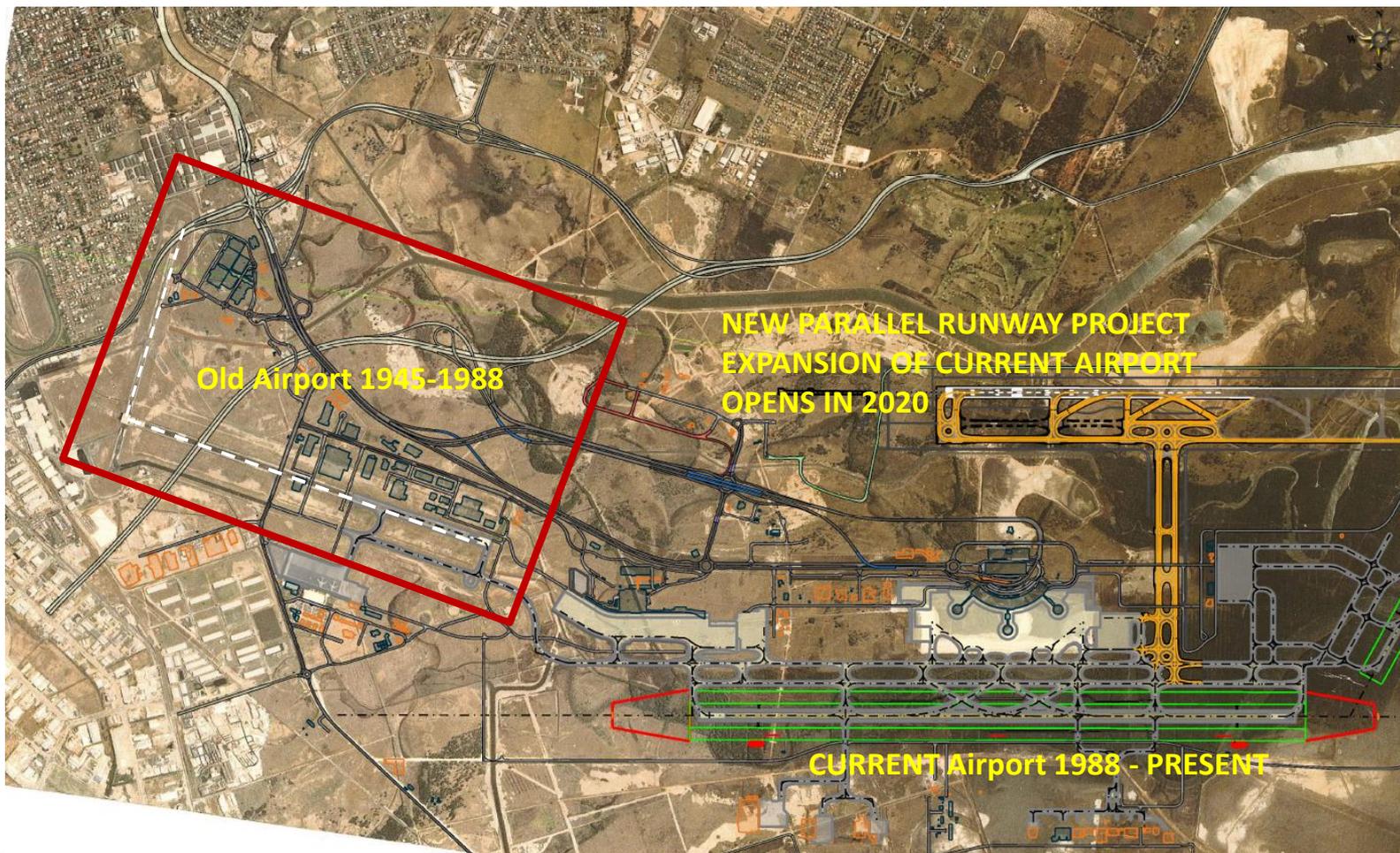


BAC acquired the airport lease for AUD\$1.4 billion – as part of the initial phase of the Australian Govt's airport privatisation programme.

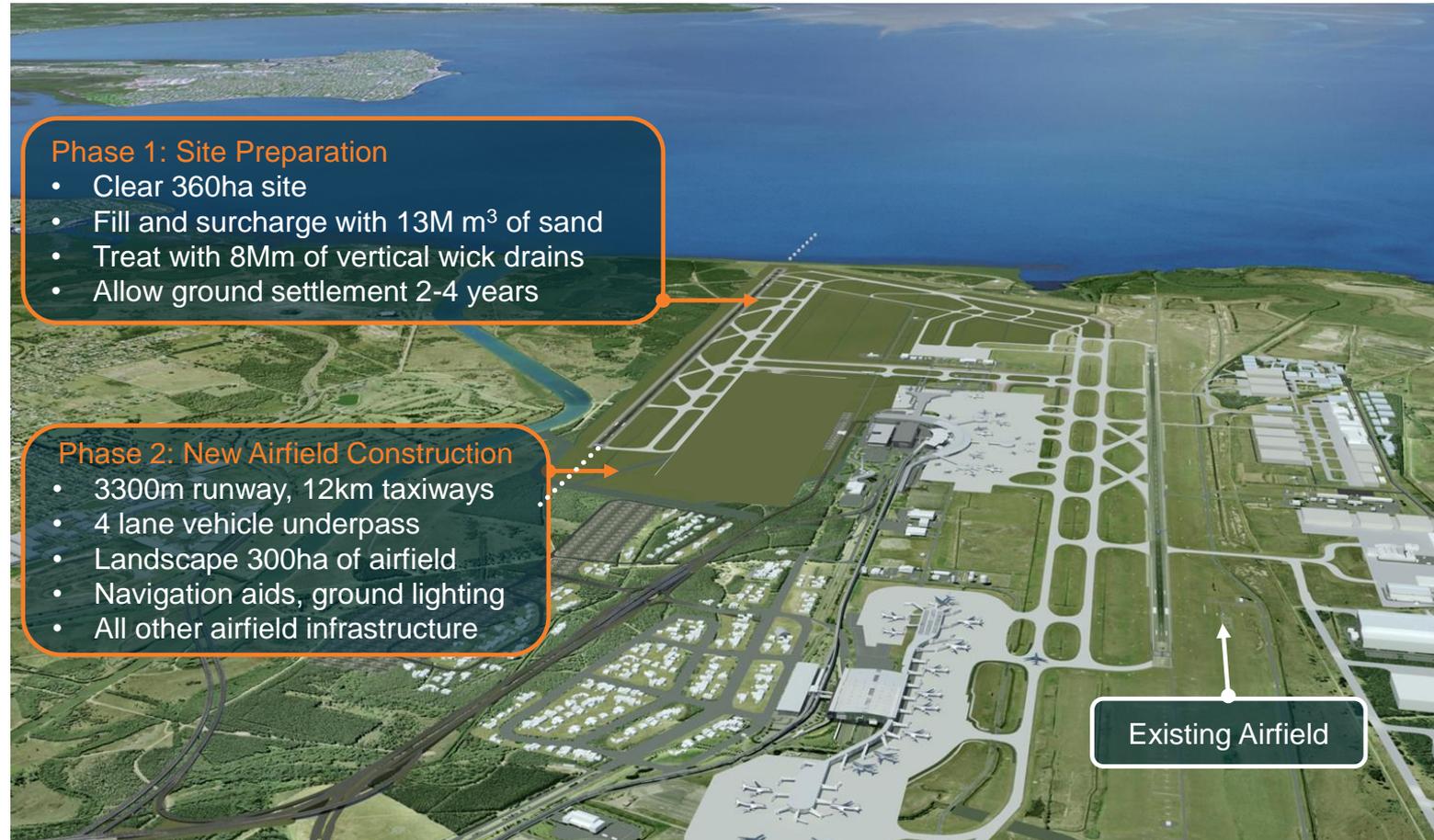


Over 80% of shareholders are ordinary Australians via superannuation and investment funds.

BRISBANE AIRPORT – ORIGINAL (POST WWII) & CURRENT LOCATION



NPR OVERVIEW **KEY FEATURES OF PROJECT**

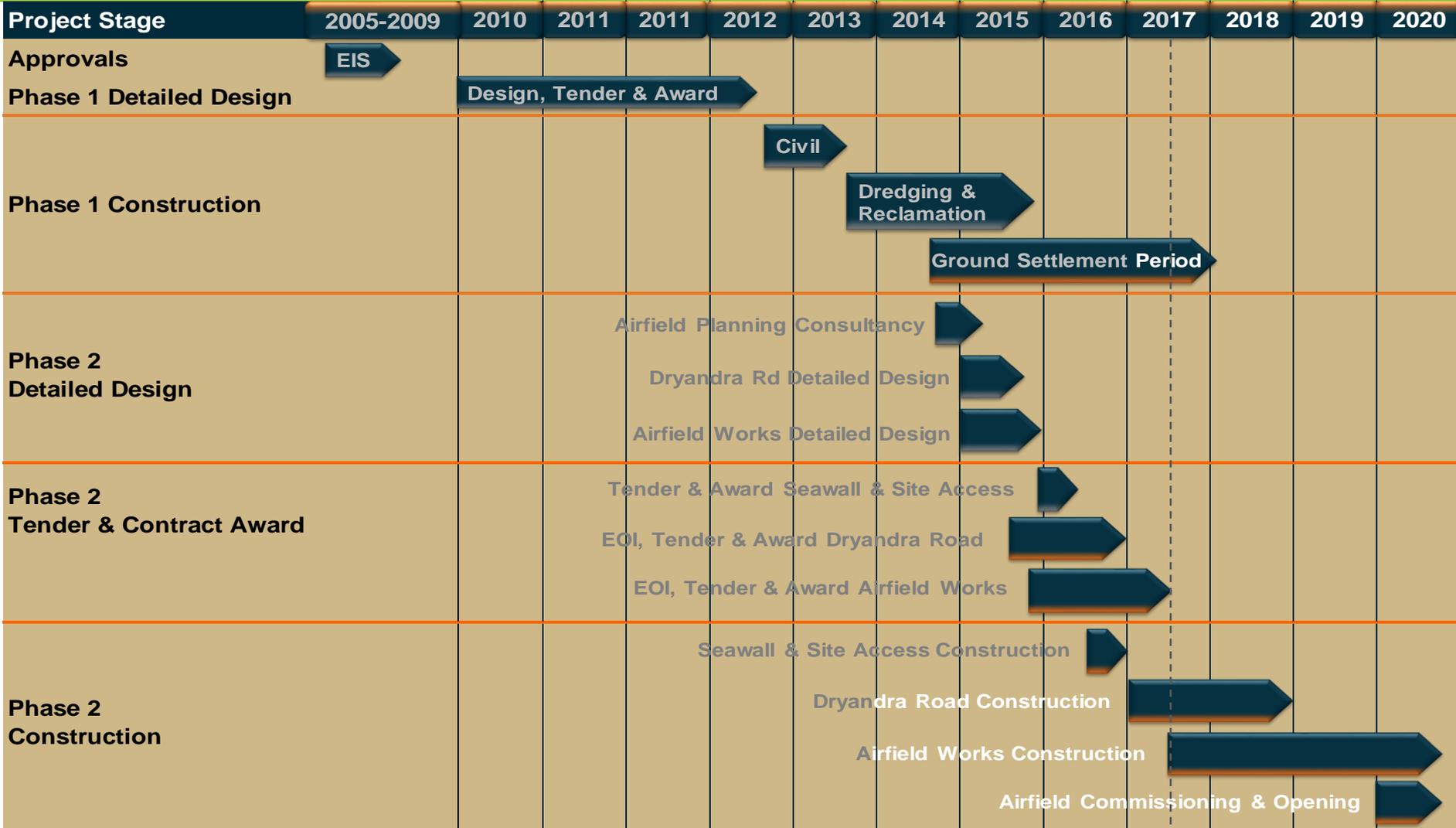




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NEW RUNWAY APPROVALS 3 LEVELS OF GOVERNMENT

Australian

1. EPBC Act Controlled Action Approval – assessed via an EIS
2. Airports Act Major Development Approval – assessed via a Major Development Plan (MDP)

State - Various

Local Government – Various

All Airspace and Aircraft Noise regulated by Australian Government



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NEW RUNWAY SITE **BEFORE & AFTER RECLAMATION**

July 2013



Feb 2015



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PUBLIC ENGAGEMENT EIS 2005-2007

Neighbours - Up to 5km from airport:

- Direct Community Briefings
- + below

Tier 1 up to 10km:

- Manned Public Information Sessions (4 days duration each at various locations N, S, & W)
- Community Briefings on request
- + below

Tier 2 – Up to 15km:

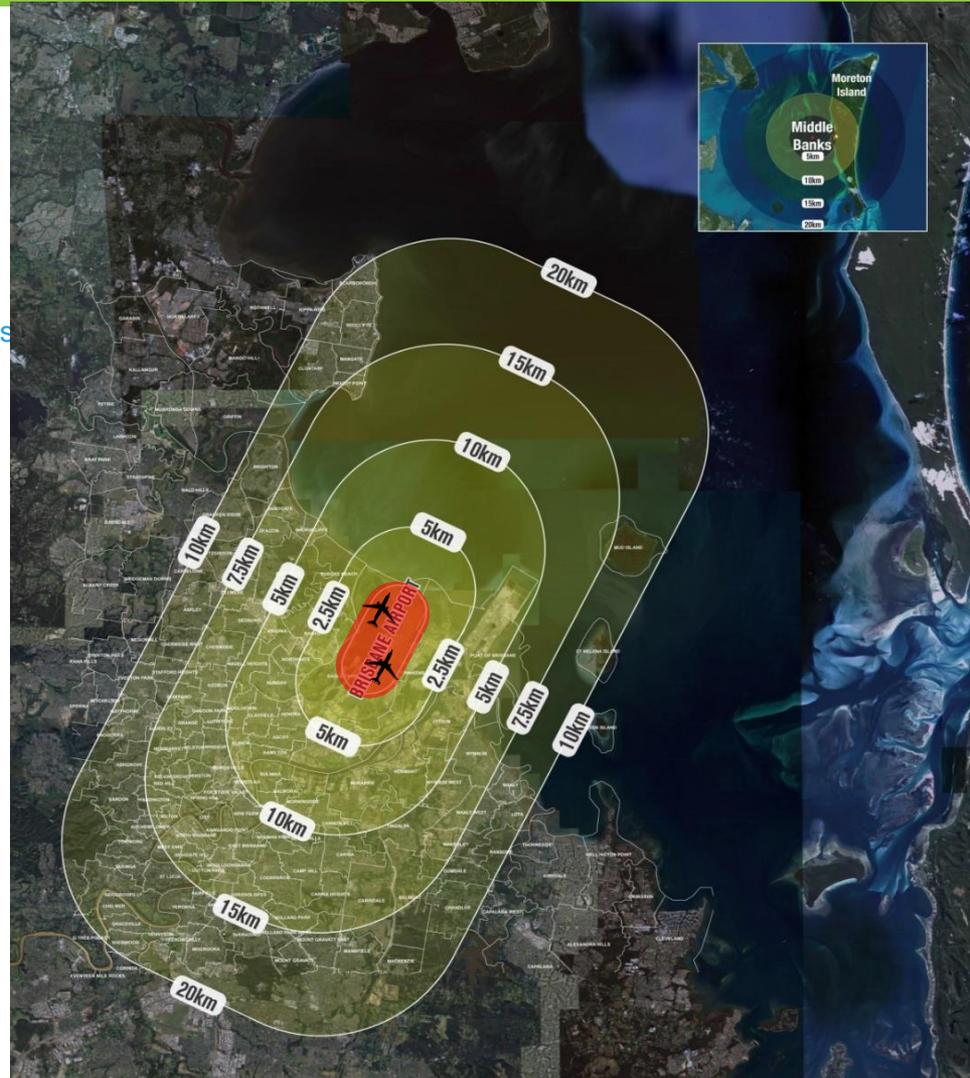
- Distribution of information at shopping centres (19 locations)
- Printed newsletter in local paper
- + below

Tier 3 – up to 20 km:

- Pre-EIS: Website, Newsletters, Fact Sheets, 1800 Inquiry No, Newspaper adverts,
- EIS Public Comment Period:
 - BAC website for EIS view and download
 - Provision of EIS (hardcopy + digital) in all local libraries and electoral offices
 - Permanent Manned Community Information Centre on Airport

OUTCOME: 196 SUBMISSIONS

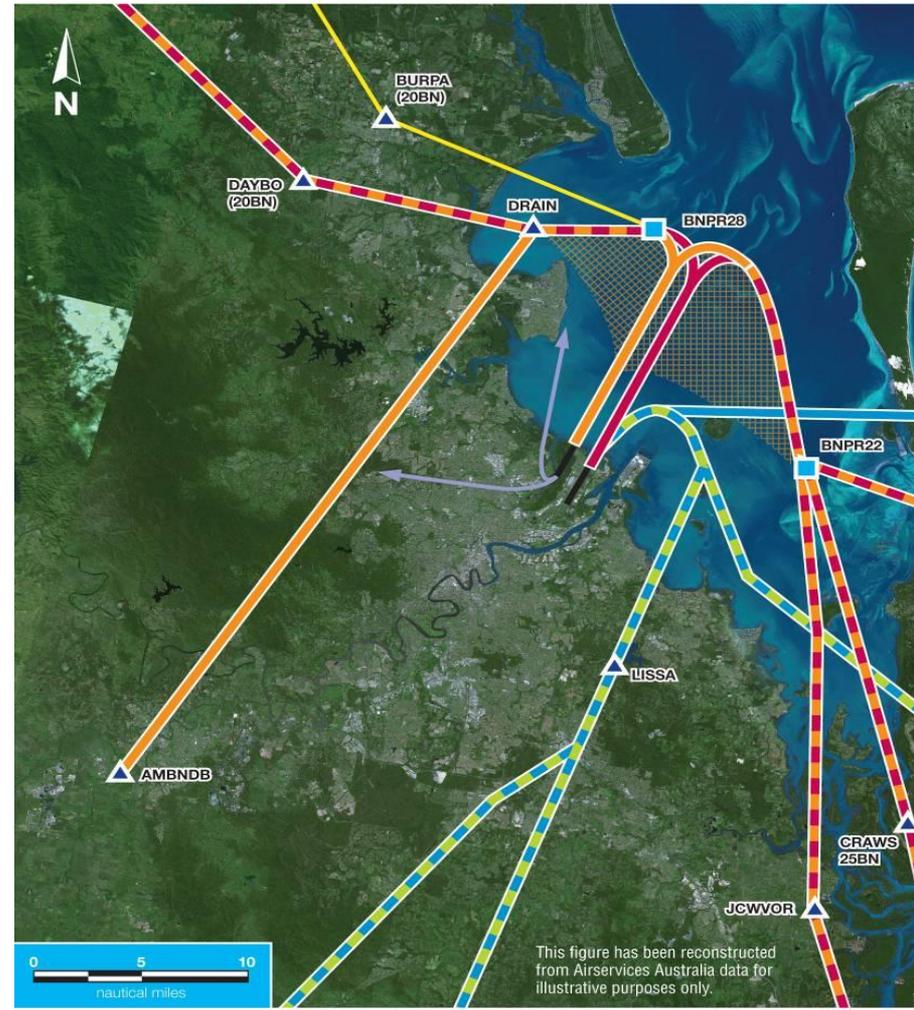
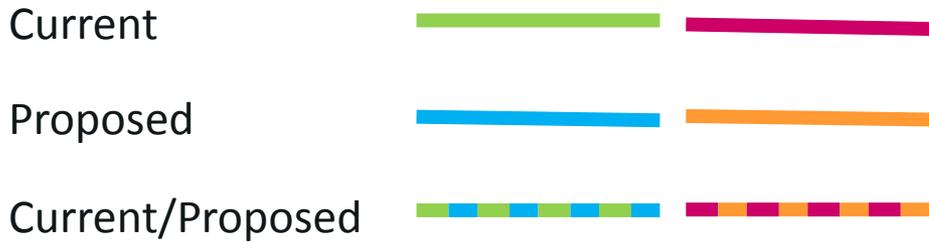
MAIN ISSUES: Runway Separation, Noise/ Curfew and Property values



PRIMARY NOISE ABATEMENT

SODPROPS & DODPROPS
Over Bay Operations

Arrivals on Runway 19L and
Departures on Runway 01R



SODPROPS/DODPROPS + Non-jet departures Runway 19R

NOISE & FLIGHT PATH INFORMATION

Flight Paths:

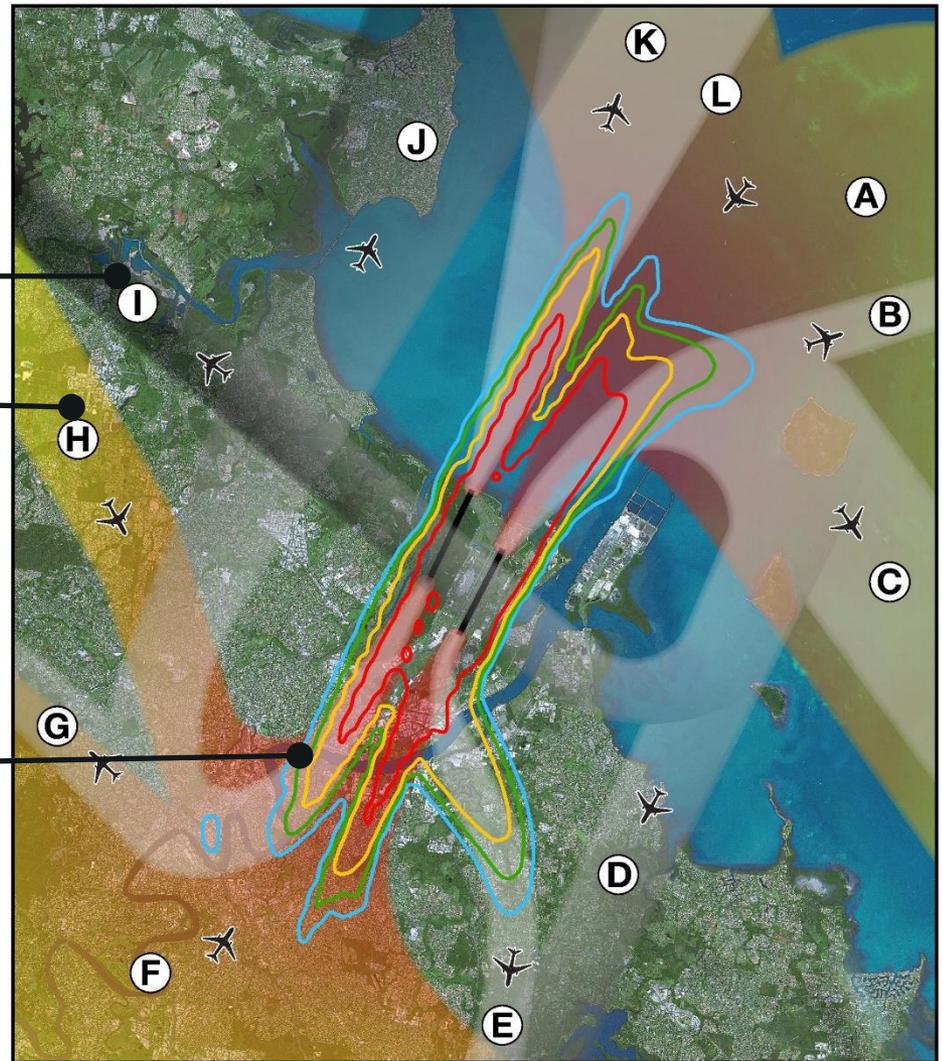
Showing Arr and Dep,
Swooshes to indicate spread
Colour gradation to indicate height

N70 contours:

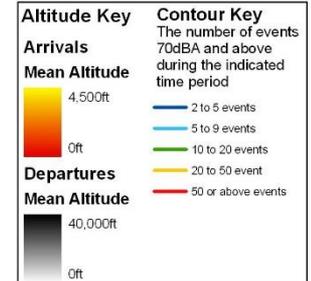
Number of events of 70 dB or greater per time period

Data Tables:

Avg No of flights on flight path
Min and Max numbers
% of BNE total
% of days with no flights



Flight Path	Average number of flights on flight path	Expected minimum and maximum numbers of flights on path	Percentage of Brisbane Airport's total flights on path	Percentage of days with no flights on path
A	57	0 - 135	15.3%	22%
B	11	0 - 22	2.9%	7%
C	7	0 - 13	1.9%	9%
D	64	0 - 110	17.3%	7%
E	53	0 - 125	14.2%	22%
F	70	0 - 183	18.8%	23%
G	7	0 - 17	2.0%	23%
H	22	0 - 53	5.9%	27%
I	5	0 - 10	1.5%	8%
J	18	0 - 46	4.9%	23%
K	22	0 - 42	5.9%	23%
L	35	0 - 92	9.4%	17%



NOISE SCENARIOS

Years

- 2005 (existing runway system)
- 2015 (existing runway system)
- 2015 (parallel runway system)
- 2035 (existing runway system)
- 2035 (parallel runway system)

Time of day

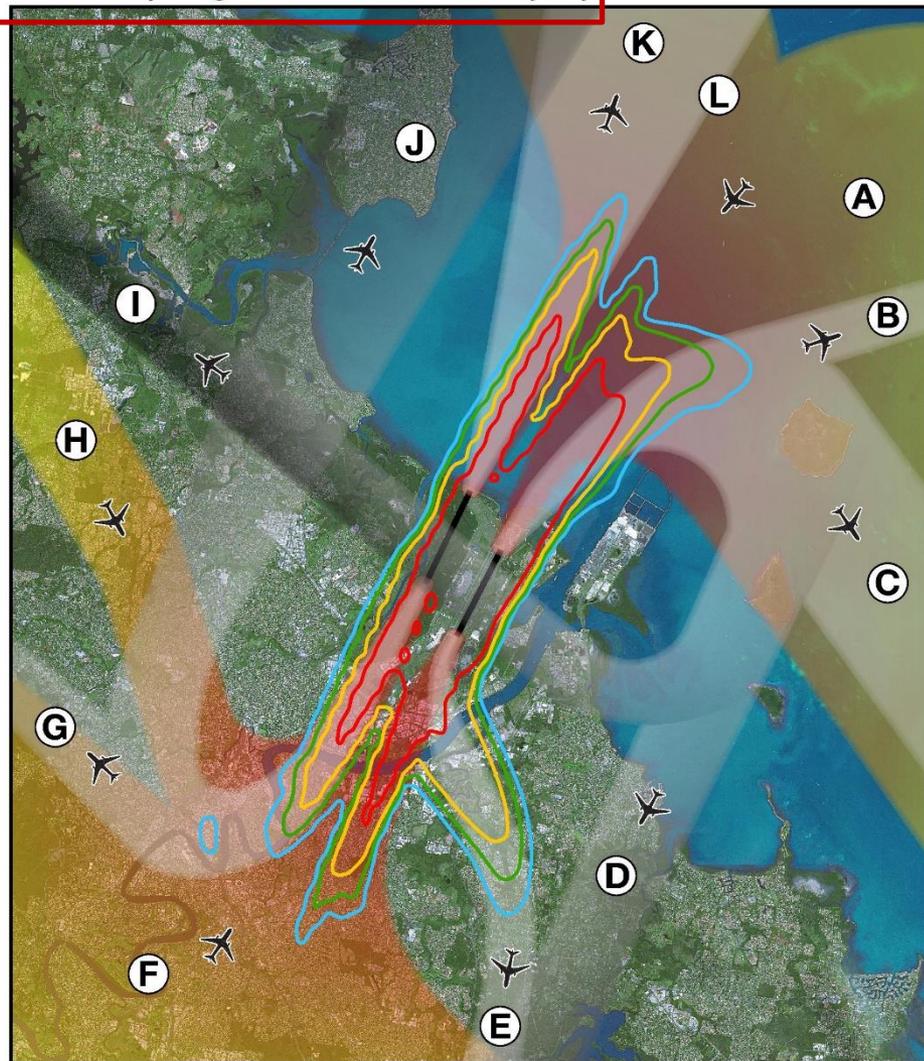
- Day (6am - 6pm)
- Evening (6pm - 10pm)
- Night (10pm - 6am)

Type of day

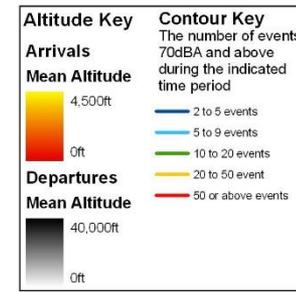
- Weekday
- Weekend

Seasonal variations

- Summer
- Winter



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K	22	0 - 42	5.9%	23%
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PUBLIC ENGAGEMENT 2007 - NOW

1. All EIS airspace and noise information has remained on BAC's website and in municipal libraries
2. NPR Airspace Information Updated with 2014 Master Plan:
 - A. Re-release of Flight Path and Noise Information Booklet (incorporating RNP tracks)
 - B. Discovery Centre Online (see right) replaced TNIP CD

EIS including all airspace and noise information has remained on display since 2006

- Annual Public Information Sessions (north, south and western suburbs)
- Regular Annual Festivals and Fairs in new and existing noise affected suburbs

FLIGHT PATH COMPARISON...

Follow the instructions to compare aircraft flight paths and likely noise effects in 2020 – both before and after the new parallel runway opens at Brisbane Airport – and then in 2034 and 2060.

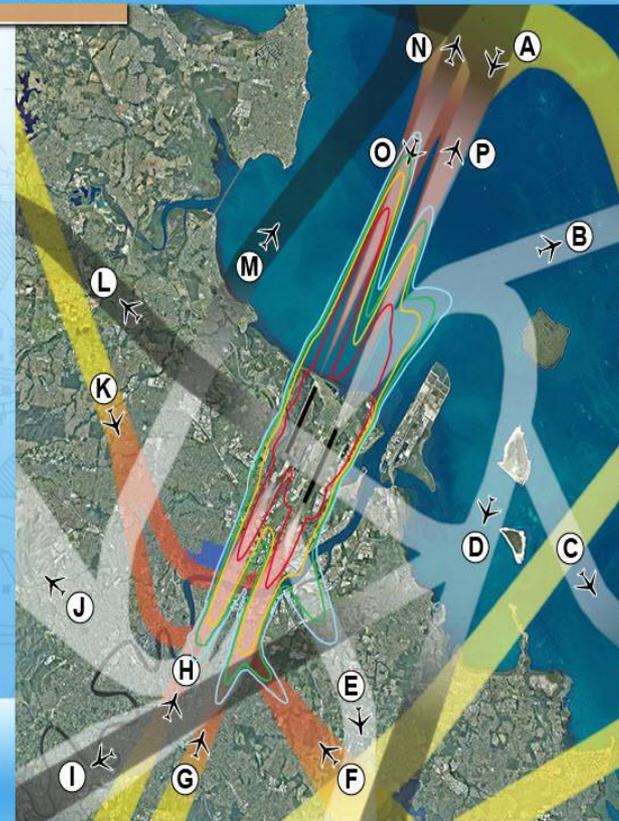
Step 1.

Ascot
Type the name of your suburb and click "next".
Ascot

Next

Ascot

Ascot is located to the immediate south of Brisbane Airport. Currently, some arriving aircraft on flight path M travel in the airspace above Ascot. The number of aircraft using this flight path is expected to increase prior to opening of the New Parallel Runway. The opening of the New Parallel Runway will result in flight paths H, I, J and K operating in the airspace above Ascot. These flight paths will be used for both arrivals and departures, depending on weather conditions. There will be a notable increase in the number of aircraft flying over Ascot during the daytime and evenings. However, during night times (11 pm – 5 am), no jet aircraft are expected to use these flight paths.



Period

- Day
- Evening
- Night

Season

- Summer
- Winter

Day

- Weekday
- Weekend

Year

- 2020
- 2020 (with new runway)
- 2034 (with new runway)
- 2060 (with new runway)

Step 2.

Use the buttons to the right of the map to make a selection from each category.

Step 3.

Click on a Flight Path letter to view expected statistics.

Flight Path	Type
Expected jet flights per day on this path	
Min	Max
Average	
% of total jet flights on path	
% of days with no jet flights	

Show all flight path statistics

About flight paths & noise contours

Altitude Key



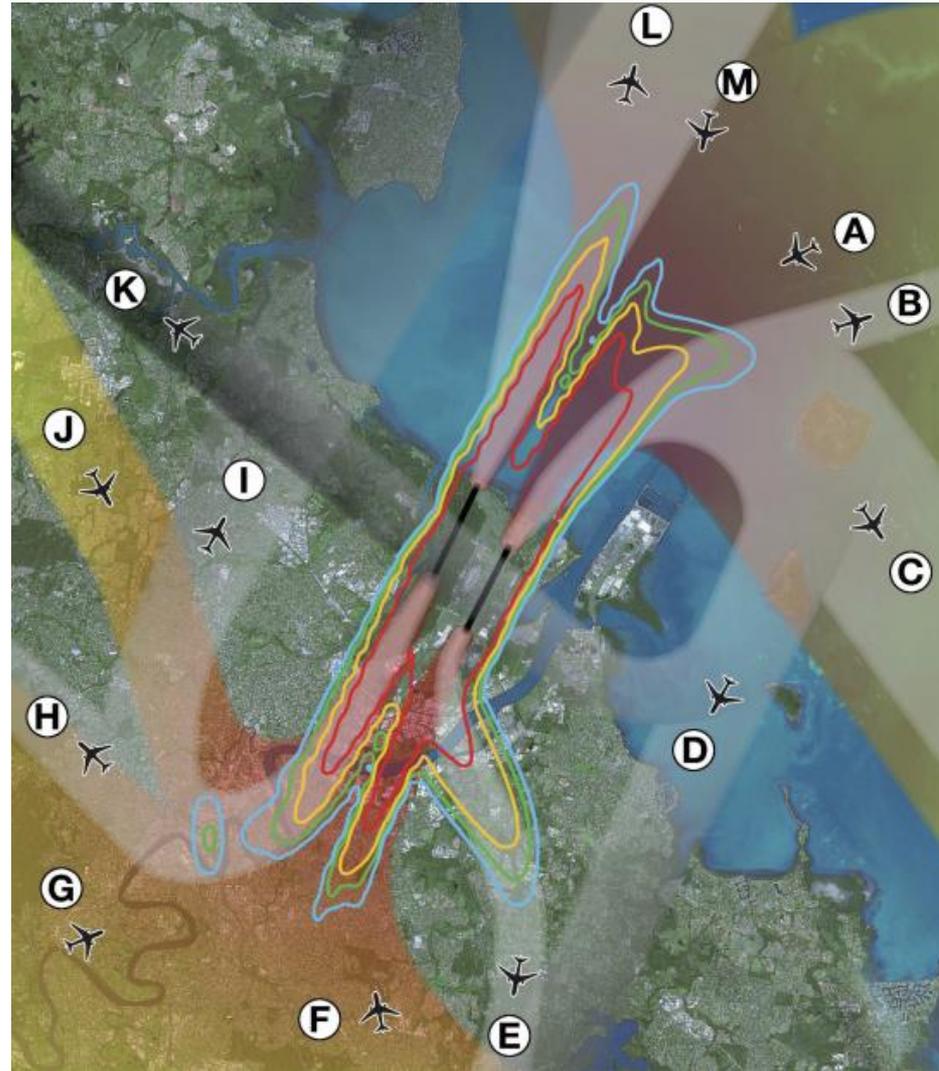
Contour Key

The number of overflights 70dB(A) and above during the indicated time period



COMMUNITY ENGAGEMENT 2018 – 2020+

1. BAC, with Airservices is in the process of completing the flight path approval process and re-engaging with the community ahead of the NPR opening.
2. Airspace procedures based on the airspace design presented in the EIS/MDP are being finalised by Airservices for approval by CASA (Civil Aviation Safety Authority).
3. Noise modelling and aircraft noise impacts must be re-presented to the community at least 1 year prior to opening.
4. Community engagement will intensify again in late 2018 and continue until NPR opening in 2020 and beyond.





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ENGAGEMENT OBJECTIVE

1. To ensure all communities across Brisbane are aware of the changes to flight paths that will result from the opening of Brisbane's new runway.
2. To ensure that effected communities are aware of and understand the noise impact of those changes.
3. To ensure that the broader community understands the benefits of the new runway.

OPEN

CLEAR

RESPECTFUL

RESPONSIVE

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