

Adelaide Airport Consultative Committee

Date: 25 May 2012

Starting time: 9:00am

Location: AAL Management Centre, Coorong Room
1 James Schofield Drive, Adelaide Airport

1.0 Welcome –

The Chairman opened the meeting at 0900 hrs and welcomed those present.

The Chairman provided some housekeeping and safety guidelines and pointed out the exits and assembly area in the event of an emergency.

1.1 Present and Apologies

Present		Apologies
Russell Synnot - RS	Synnot & Wilkinson –Chair	Dr Duncan McFettridge - Member for Morphett (State)
Mark Young MY Ken May – KM John McArdle - JM	Adelaide Airport Limited (AAL)	Terry Buss – City of West Torrens
Kate Burmeister	Aircraft Noise Ombudsman Office (ANO)	Stephanie Bolt - - AAL
Leonie Horrocks - LH Margaret Smythe – MS Alvi Hosain - AH	Department of Infrastructure and Transport (DoIT)	Peter Torr - Airport Environment Officer (AEO)
Mike Milln - MM	Department of Planning, Transport and Infrastructure (DPTI)	Brenton Hollitt GA
Nigel Minge -NM	Office of Steve Georganas - Member for Hindmarsh	Amanda Chappell -
Brett Fundak BF	Office of Major Projects	Steve Georganas - Member for Hindmarsh (Fed)
Mayor John Trainer – JT Arthur Mangos Robert Owen - RO	City of West Torrens Netley Residents Assoc	 Barry Wayne - Walkerville Group (Fairness)
Mark Cenin - MC Mike Shaw - MS Brenton Burman -BB	Airservices Australia (AsA) URS - Consultancy	
Neil Murphy -NM Andrea Jorgensen AG Barry Salter - BS	SA Freight Council Dept of Planning & Local Govt GNRA	

2.0 Minutes of Previous Meeting 24 February 2012

Moved Neil Murphy – and Seconded Bob Owen – that the notes of the 24 February 2012 meeting be adopted - Carried

3.0 Action Items Arising from the Notes of the 25 November 2011 Meeting

	Item	Action/Status
3.1	3.1 - The Chairman is to invite Airservices Australia and or QANTAS to make a formal presentation on RNP's and CDA's to the group at the next meeting	Airservices is to make a presentation at 7.1 Qantas is an apology for this meeting
3.2	Chair recommended that the Airport Web site develop a link to the Airservices noise information web page	Completed
3.3	Brett Fundak to report the need to clean the Keswick Creek to SA Water	Brett Fundak to advise
3.4	DoIT to provide a brief presentation on Guidelines on Master Planning, Consultation and Significant Impact Major Development Plan triggers at the next meeting.	DoIT is to provide a presentation at Item 7.2 of this meeting.
3.5	AAL to advise members by e-mail when the new minutes and agenda are posted on the AAL web site.	Action was completed. AAL to check email to Rob Owen re this matter.
3.6	AAL to include the DoIT web site address in the minutes.	AAL to include address in future minutes and also the specific address to the NASAG Guidelines.

MS queried what is the issue with RNP's as they are being used on existing flight paths.

The Chair explained that it is about the future and to advise the committee and community on exactly what are RNP's and how could they be applied for future operations.

4.0 Correspondence

In

- Noise and Curfew dispensation reports
- Apologies
- Letter from Chairman of Airservices Australia acknowledging the comments provided on the draft revised Charter for the Aircraft Noise Ombudsman.
- Email from Alyssa Hughes from SA Water advising of the proposed major works to the Marion Road Trunk Water Main and the anticipated disruptions.
- Email from John Crane from Virgin Australia confirming his intention to attend meetings and represent Virgin after the May meeting.

Out

- Minutes and Agenda posted on:-

http://www.adelaideairport.com.au/corporate-and-community/community#s_consultativecommittees_collapsible

- Noise monitoring/Curfew reports
- Letter from Chairman to Airservices Australia commenting on the draft revised Charter for the Aircraft Noise Ombudsman.
- Agency/ Organisation Status Reports

5.1 AsA's Noise Monitoring Report Update

Kate Burmeister from the ANO office provided a short presentation on the role and responsibilities of the Aircraft Noise Ombudsman and gave a general insight into the noise complaints received at Adelaide compared to other Australian Airports. The presentation included an oversight of the noise handling procedures and approach the ANO is taking to attempt to resolve the issues raised by the respective complainants.

Mark Cenin advised that Airservices are undertaking a major overhaul of the Noise Monitoring function including improved service provision, actions to research reasoning behind complaints/enquiries, the science of noise, improved communications, the cause and effect of aviation noise.

A new and revised noise report is expected to be available at the next meeting in August.

There was discussion on the issue of complainant's lodging multiple complaints and the ANO and ASA confirmed that they are interested in the issue(s) behind the complaints not the number of complaints. The ANO is working on changing the perception in complainants that the number of complaints will effect a change.

ACTION - Chair endorsed that the Airport Web site include a link to the Airservices noise information web page and also the ANO Charter page.

<http://www.airservicesaustralia.com/aircraftnoise/>

http://www.airservicesaustralia.com/wp-content/uploads/ANO_2012-Charter.pdf

5.2 Curfew Monitoring and Summary Report

The DoIT report had been previously shared with members by e-mail.

There was considerable on the process for granting or not granting dispensations when it appeared for the report that considerable numbers of persons had been disadvantaged and considerable costs incurred by airlines and passengers for an approximate five minute delay.

It was agreed that there needs to be a more balanced approach to assessment of requests for dispensation and the exact rules for the assessment process were queried.

Suggestions were advanced for a more tolerant approach in assessing requests close to the curfew times without allowing for "creep" by airlines.

ACTION – DoIT to report to the next meeting on the rules and processes for assessment of requests for dispensation.

5.3 Operations and Regulatory Compliance Update Operations Report

AAL reported on the progress of operational developments.

5.3.1 Operations Report

National Security Threat level to aviation remains at Medium.

Australian Government announced several issues in recent Budget that have an impact on current and potential business - Passenger Movement Charge up 17 %, restrictions on Duty Free Tobacco and Recovery of AFP charges further to recovery tax imposed in 2009 budget - industry is questioning the "double dip tax".

TAE relocation works due for completion May 20 12

OTS Supplementary Security Audit scheduled for late May 12

Adelaide City DAP requires comment on the amendment plan by mid-June - AAL will make a building height limitation submission

Airport Operational Developments

Multi-Level Car Park - Communications Plan developed - mid July opening of car park

Disability Access Plans - review to accommodate new car park and access

Flood Assessment Plan - final report July 2012 - early draft May

Airport Field Exercise - conducted with all off airport agencies - night exercise in April

Airport Emergency Plan Activation:

Summary Table of Emergency Plan activation Jan 12 – Dec 12

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TOT
Disabled Aircraft			2	1									3
Local Standby													
Full Emergency													
Crash													
Fire/Structural													
Hazardous Material				1									1
Other (Ground Tpt/Sec)													
TOTAL 2006 = 23 2007 = 37 2008 = 20 2009 = 19 2010 = 17 2011 = 10	Nil	Nil	2	2									

Aircraft Diversions 2012

Month	Weather e.g. Fog	Medical	Crew change	Fuel	Security	Tech or Mech	Total	<i>No. In Curfew</i>
Jan		1		1			2	0
Feb	1	1					2	0
Mar	2						2	0
Apr	5	1					6	0

Month	Weather e.g. Fog	Medical	Crew change	Fuel	Security	Tech or Mech	Total	No. In Curfew
May								
Jun								
Jul								
Aug								
Sep								
Oct								
Nov								
Dec								
Total 2012 = Total 2011=77 Total 10 = 41 Total 09 = 33 Total 08 = 66	8	3		1			12	0

Passenger Movement Statistics 11/12

Pax(*000)	Fin YTD (Apr 12)	Last Year	Variance %
Domestic *	4898	5278	-7.2
International	534	466	14.4
Regional	498	490	1.7
Total	5931	634	-4.9

* = Includes Domestic On Carriage

Aircraft Movement Statistics – 11/12

A/Crft	Fin YTD (Apr 12)	Last Year	Variance %
Domestic	37801	40389	-6.4
International	3014	2725	10.6
Regional	21458	21082	1.8
G/A	20495	19101	7.3
Total	82768	83297	-0.6

There were no questions in regard to this report.

5.4 Environment Update

John McArdle reported (on behalf of Laura Fernley - an apology) on the Environment/Sustainability matters relating to the airport –

Major Projects

Landside Infrastructure Project - Works ongoing. Audit undertaken. No environmental issues to report. An audit of the concrete batching plant site was undertaken following demobilisation of the plant.

Airport Stormwater Harvesting Scheme - SA Water revising the scheme's design.
Undertaking re-tender process.

Stormwater Detention Basin - Awaiting detailed design from City of West Torrens as part of Building Application process.

AFP Building- Audit undertaken. No environmental issues to report.

Spills

There were two reported spills in the last quarter. The one spill was a Jet A 1 and less than 5L. The spill did not reach the stormwater drainage network. The second spill was a small leak of mercury within a hangar and was successfully contained and cleaned up.

Noise

There have been no ground-based noise complaints to AAL in the last quarter.

Environmental Monitoring

No issues to report.

Heritage and Land Management

No issues to report.

Hazardous Materials

No issues to report.

Tenants

The inaugural combined property, environmental and facilities meeting were held with tenants on April 17th. The meeting was well attended and will provide regular updates to tenants.

Community

Netley acoustic mound - The landscaped mound adjacent to Watson Avenue has been manually watered to maintain recent plantings. AAL is currently installing an irrigation system which will be connected to the recycled water supply. Replanting of a number of trees on top of the mound will also be undertaken in the next two months.

Complaints - no complaints from the community have been received in the last quarter.

Sustainability

Projects within the Partnership between the Centre for Energy Technology and AAL are continuing. Three key projects focus on Adelaide Airport's Terminal 1 HVAC system.

Other

AAL and the AEO have been liaising with the SA EPA after a tenant's environmental consultant failed to realise the jurisdictional boundaries with respect to environmental management and informed the EPA of the tenant's contaminated site status. Following discussions with legal representatives AAL has come to an understanding with the EPA on jurisdictional boundaries with respect to contaminated site management on airport land.

5.5 AIRPORT WILDLIFE MANAGEMENT REPORT

Summary from Minutes of Quarterly Wildlife Hazard Management Meeting (AAL)

13 March 2012, Adelaide Airport, Adelaide Airport

- Of the high risk species, silver gull numbers exceeded the September and October thresholds but were below the threshold over summer.
- Lower risk species, Corellas, exceeded the threshold over the previous quarter.

Other Issues

- Silver gull numbers did not exceed the threshold however vigilance is maintained. No progress to date by Solo on their expansion plans relating to the Zero Waste SA grant received earlier this year.

News

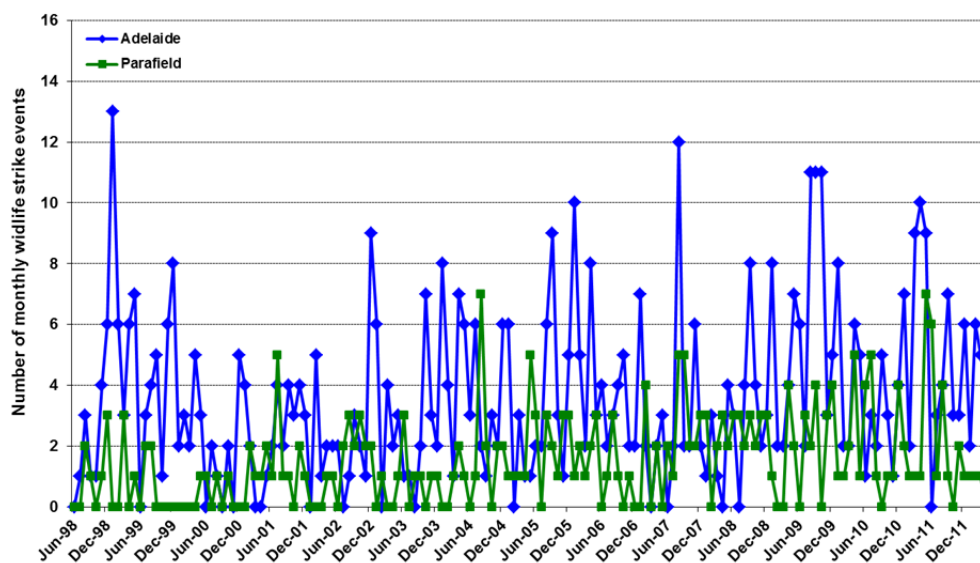
- Following the guidelines for land use planners to manage wildlife risk in the vicinity of airports, released by the National Aerodromes Safeguarding Advisory Group (NASAG), the airport has commenced consultation with stakeholders on identifying hazards within the three zones- 3, 8 & 13 km from runways.

Strike Summary (Dec- Feb 2012)

- Strike events – 15
- Significant strike events- 2 (Australian Kestrel & Australian Magpie Lark)

Species	Number of strike events
AK – Australian (Nankeen) Kestrel	2
AM – Australian Magpie	2
AML – Australian Magpie Lark	6
Bat	1
SKY – Skylark*	1
STA – Starling	2
WFAH – White-faced Heron	1
Total	15

Monthly Wildlife Strike Events



No enquiries were raised in regard to this report

5.7 AIRPORT ENVIRONMENT OFFICER REPORT

Margaret Smythe announced that the current Airport Environment Officer Mr Peter Torr had resigned and that the DoIT had tendered the position and a replacement was expected before the next meeting of the AACC.

5.8 PROPERTY DEVELOPMENT AND LAND USE PLANNING REPORT

Ken May briefed the committee on development proposals and status in each of the airport precincts.

Terminals Precinct

Multi-Level Car Park

Progressive works completion over June-July 2012 with Rental Cars first to occupy at Level 00 from expected mid-June date. Car Park occupancy expected latter part of July 2012. Progressive Plaza Works from June until end of 2012.

TAE- Engine Test Cell Site and Workshop- Land Swap

Practical completion of all works on 14 May 2012.

Australian Federal Police (AFP) Project Jupiter- Offices

AFP Offices in Export Park now over 60% complete, with Base Building Practical completion due September and Fitout around the end of 2012. Complex is around 2300m², and over 3 levels including secure undercroft car park and to have 4.5 NABERS Rating, 4 Green Star.

IKEA

IKEA complex sold from Property Trust ownership to the IKEA operator in March 2012.

Terminal 1 Retailing Concessions / Leasing

- Shades Sunglasses/Jewellery Store is relocating to the former Coopers General Store shop. Shades area to become promotional space.
- ANZ and Travelex have both installed Multi-currency ATM's adjacent to International Departures.

Torrens Precinct

- Adelaide University completed its upgrading of its West Beach Hockey Centre, including new playing surface and flood lighting. They are considering now the regeneration of playing fields with grassed soccer/cricket potential. Official opening of "Trevor Smith" Hockey Centre occurred on 17 March 2013.

Tapleys Precinct

K9 - Kennel Management Facility- AFP

Lease signed for new K9 AFP/Customs Kennel Management Facility adjacent Bureau of Meteorology with works to occur over next 12 months.

Patawalonga Precinct

Stormwater Detention Licence

Agreements finalised for Stage 2 of the Mile End Cowandilla Outfall Drainage Scheme at a site to the south of West Beach Road adjacent to Adelaide Shores. This is ostensibly the construction of a 3.4 Ha Stormwater Detention Basin. Building Applications and Environment Management Plan nearing completion. Works to occur over next 12 months by City of West Torrens.

Holdfast Precinct

SA Water ASR Project

Streamlined ASR Project under detailed design, including a variation which excludes any need for Water Storage Basins at this time. The Filtration systems will now be located on the eastern parcel of the site. A specific pathway linkage is being constructed between Captain McKenna Pathway and James Melrose Road along the eastern perimeter of this section of the SA Water leased site.

Airport East Precinct

West Richmond

Residence at 35 Trennery Street acquired by AAL to prevent subdivision for two dwellings. Land is subject to runway lighting easement.

5.8 PLANNING CONSULTATION FORUM REPORT

Brenton Burman, the Forum Independent Chair

The following summary is provided in relation to the AACC Planning Coordination Forum held on 17 May 2012.

1. Airport Development Programme and Activities

- Ken May provided an update of development activities for both Adelaide and Parafield Airports
- An update was provided in relation to the Exposure Draft of the Parafield Airport Master Plan
 - Discussion regarding the agreed access from the Cross Keys Precinct into St Kitts Place – alternative of additional left-in left-out to Elder Smith Road was discussed
 - Discussion regarding the preparation of a draft Heritage Management Strategy for Parafield Airport

2. Regional Planning Initiatives and Off-Airport Development Approvals

- Andrea Jorgensen from DPTI (Planning) provided an update on the following State planning initiatives:
 - The *Capital City Development Plan Amendment (DPA)* – public consultation closes on 1 June 2012. The DPA seeks to increase development heights within the City – AAL to provide electronic mapping of OLS. Further discussions with AAL, ACC and DPTI in relation to building heights and OLS mapping
 - The *Inner Rim Structure Plan* and associated Development Plan Amendments (DPAs), revising capacity for increased density and mixed use zoning around the periphery of the Adelaide Park Lands – will be released for public consultation shortly
 - *SA Standard Planning Policy Library* – standardised planning modules – Airport modules due to be reviewed shortly
 - NASAG (<http://www.infrastructure.gov.au/aviation/environmental/nasf/index.aspx>) – guidelines addressing noise, building heights, wind shear, lighting, wildlife strikes, etc. – State Government is drafting a broad implementation plan – future communication with AAL planned
 - Proposal for Standards Australia to review AS2021 (noise measures)
- Brett Fundak from DPTI (Transport) provided a written update advising that the updated *State Infrastructure Plan* is likely to be released after the State Government Budget
- Department of Infrastructure & Transport (Commonwealth) – Alvi Hosain provided an excellent presentation regarding *Significant Impact on the Community & Masterplan Amendments Guidelines*

3. Surrounding Councils and Adelaide Shores update:

- West Torrens Council
 - *Housing Diversity DPA* – part of Inner Rim Strategy. The *Housing Diversity DPA* is currently with the Planning Minister for approval for Consultation – noted that the DPA does not seek to decrease development potential around Adelaide Airport
 - Structure Planning for Henley Beach Road and Sir Donald Bradman Drive has commenced – completion due July 2012
 - Council is also required to complete its *Review of the West Torrens Development Plan* by December 2012 – but has asked the Planning Minister for an extension to December 2013
 - Outfall drain project – currently out to tender
 - Bike Network Strategy for Airport East (shared path around the perimeter of the airport) being finalised
- Holdfast Bay Council
 - Council is completing its Development Plan Review
 - Council has commenced a Housing Strategy/Residential Review
- Adelaide Shores
 - Launch of mini wind turbine project
 - Planning Minister has initiated a Development Plan Amendment – the *West Beach Recreation Reserve DPA* – based on the Adelaide Shores Master Plan
 - New potential facilities being investigated (in line with the Adelaide Shores Master Plan)
- City of Salisbury
 - Salisbury Development Plan Review – draft completed – being linked with Council's Strategic Directions Report
 - *Salisbury Better Development Plan DPA* – currently on public consultation – concern raised by AAL regarding the 'standard Airfield Module' being used – which does not reflect the Parafield Airport Master Plan (current or draft)
 - A *Rural Aircraft Noise DPA* is presently being – relates to Edinburgh Airforce Base
 - *Mawson Lakes Rezoning DPA* – currently being finalised for Agency Consultation endorsement. AAL will be provided a copy for comment (likely in June 2012)
 - *Kings Road DPA* – Council has provided support for a 'developer funded' DPA for the Engel's site (corner of Main North & Kings Road – opposite Parafield

Airport) – Statement of Intent to be forwarded to Planning Minister for consideration

- Site will be restricted by aircraft movements
- DPTI is aware of height issues
- AAL to provide map showing OLS to guide building heights

4. Other Business

- Brenton Burman provided presentation recently given to the National Planning Congress – on *‘The Role of Airports in our Urban Environments – Integrating with the Local Community’*

5.9 CITY OF WEST TORRENS

- Brownhill Keswick Creek – significant break-through achieved with all 5 Councils agreeing a ‘strategy’ to finalise the Stormwater Management Plan. Essentially the ‘strategy’ comprises Part A works (which all agree to) and Part B details a process to resolve the ‘dam or no dam’ issue. (JT to further expand if required.)
- Council’s annual budget and business plan is currently out for public consultation and a public forum will be held 31 May at 6.30pm in the Civic Centre. The public consultation process concludes 8 June.
- Local Government and the Kaurna People have reached an ‘in-principle’ agreement for an Indigenous Land Use Agreement (ILUA) over their Native Title Claim area covering 29 Councils stretching from Victor Harbor to the Barossa. The ILUA is now being drafted by the lawyers and it is anticipated that it will be executed around August/September. The ILUA sets out various protocols to be followed by all parties relevant to Native Title and Heritage matters and when in place will provide significant benefit to all parties.
- Council has become a signatory to the International Charter of Walking (meeting 17 April). The Charter has 8 strategic principles based around mobility; a culture of walking; supportive land use; well designed and managed spaces; etc.; and as a signatory to the Charter allows WT to publicly commit to these principles and to utilise them as a framework for planning and thinking for pedestrians in our area.
- In April (meeting of 17th) Council received a report on its annual water consumption. Pleasing to report that progress to meet our long-term target of 45% reduction of 2004/05 levels by 2020 is on track with 30% being achieved in 2010. In 2010 (calendar year) our total water usage of 89,337 kl (potable and recycled) was down 27.5% from the 2009 year where we used 123,320kl. This represented a saving of around \$233,000 from the previous year and overall our water consumption has reduced 58% from 2004 levels.
- Council’s first Community Hub adjacent Thebarton Oval is taking shape and the \$6.5 million development is on-track for completion by the end of the year.
- Council continues to work with the Brickworks Markets Traders to finalise lease arrangements that will allow them to continue operating while the \$85 million Woolworth’s redevelopment proceeds. (JT to further expand if required)

5.10 QUALITY OF SERVICE REPORT

John McArdle reported on Q1 (Jan to Mar 12) results:

Airports Council International quarter one of 2012 identifies Adelaide Airport as remaining in the top three of its benchmark segment.

Our poorest rating at present is in the car parking space but we believe this will be remedied when the new project is open for business. Interestingly enough we have identified from the reports that the first quarter is always rated well even if we do not take any special activity - the festival season and mad march seem to put users of the airport in a positive mind set.

6.0 NEW BUSINESS

6.1 – Marion Road Trunk Water Main Reconstruction

The essential points of the correspondence from SA Water reading the reconstruction of the Marion Road Trunk water Main were discussed.

Below are a few key points regarding the project. The 6.9km trunk water main in between Anzac Highway and Grange Road was originally constructed in 1898 and is one of the oldest in the state. Numerous leaks and bursts have been recorded along the main in recent times and these are attributed to a reduction in pipe strength due to the age and corrosion of the steel main.

- In response to this continued deterioration of the main, SA Water will deliver a project to replace the majority of the trunk main from Anzac Highway to Grange Road via Marion Road and Holbrooks Road.
- This project will improve the security of water supply to customers and significantly reduce the risk of future pipe bursts and subsequent unplanned disruptions to traffic and water supply.
- The project is currently in the design and planning stage with construction works scheduled to occur between April and November 2013 when demand for water is at its lowest. The main will be built in stages over this period, with construction moving along the pipe alignment as works progress.
- Construction works are generally planned to occur between 7 am and 5 pm, Monday to Saturday. On occasion, works will occur during the night or on Sundays in specific locations (such as major intersections) to minimise impacts on residents and businesses.
- Traffic restrictions will be in place around the worksite at all times during construction for the safety of workers, motorists and pedestrians. Minor delays to traffic along Marion Road, Holbrooks Road and adjacent east-west arterial roads are expected.

7.0 PRESENTATIONS

7.1 Airservices Australia Presentation by Mr Mark Cenin on Required Navigational Procedures/Constant Descent Approaches.

- Attached

Action AAL Airport Web site to include a link to the Airservices noise information web page and also the ANO Charter page.

7.2 DoIT Presentation by Ms Margaret Smythe on Recent Guidelines (Consultation, Master Planning and Significant Impact).

- Attached

8 SUMMARY OF ACTION ITEMS

8.1	The Chairman to ensure that the Chair of the Planning Co-ordination forum is on the email distribution list.
8.2	AAL to ensure that email notifications are sent to members when minutes are posted on the AAL website
8.3	Chair to ensure that a link to the ANO Charter website is included in the minutes
8.4	Chair to ensure that a link to the NASAG Guidelines on the DoIT website is included in the minutes
8.5	Ken May to investigate the occurrence of large numbers of Silver Gulls on the Emanuel Building and report back to next meeting
8.6	Chair to ensure that the ASA and DoIT Presentations are included in the minutes

9 DATE OF NEXT MEETING

The date of the next formal meeting is scheduled for: 0900 on Friday 31 August 2012

Meeting Closed at 11.05.

Adelaide Airport Consultative Committee

25 May 2012

Required Navigation Performance

2012

- Ground based navigation aids (Nav aids) have been the basis of aircraft instrument navigation for many decades
- Aircraft use these aids to conduct point to point navigation along fixed routes (Route Navigation) and to conduct instrument approach to land procedures to aerodromes
- The constraints of Route Navigation limit the safety and efficiency of aircraft operations
- Approach and Departure Instrument Flight Procedures based on ground Nav aids are constrained by the location, accuracy and other limitations of the aid



Performance Based Navigation

- Performance Based Navigation (PBN) represents a fundamental shift from a sensor based navigation concept to a performance based navigation concept (supported by ground or space based NavAids)
- Under PBN, a navigation specification is either an Area Navigation (RNAV) specification or a Required Navigation Performance (RNP) specification
 - PBN specifies that aircraft system performance requirements be defined in terms of accuracy, integrity, availability, continuity and functionality
- The difference between RNP and RNAV is that RNP includes a requirement for on-board, self-contained, performance monitoring
 - This means that RNP capable aircraft can navigate to more precise specifications
 - RNP means you can safely fly closer to obstacles and get lower to the ground in poor weather conditions
 - Both RNAV and RNP allow an aircraft to fly any pre-defined path with high accuracy typically between two points in space
 - RNP also allows curved flight paths to be flown



Benefits of RNP

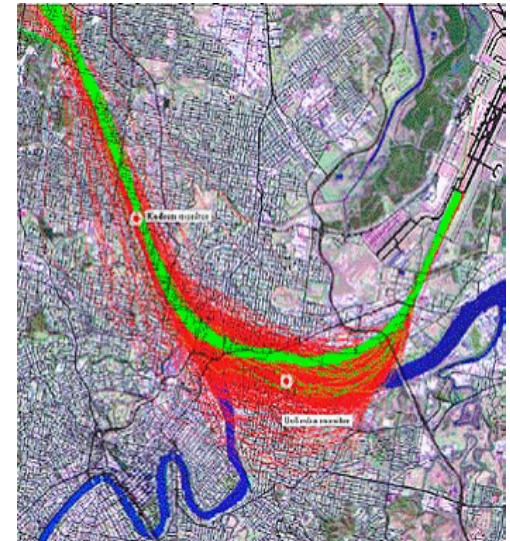
Safety

- Vertical guidance of the aircraft is pre-programmed to minimise the risk of controlled flight into terrain
- Predictability and even lower minima on approaches improves surety of arrival
- Reduces complexity of operations
- Pre-programmed safe routes for use in the event of an engine failure on approach or departure



Community

- Potential for noise management
 - Curved flight paths
 - Possible track over non-residential area
 - Fewer missed approaches
- Reduction in emissions
 - Fewer track miles
 - Optimised operation of the aircraft
- Increased confidence in flight arrival/departure



Industry

- Further improvement of airspace capacity through use of smaller separation standards
- Fuel and emission savings
- Higher payloads at terrain challenged ports
- Less schedule disruption

History



The Brisbane Trial

Trial RNP-AR Procedures introduced at: **Brisbane**. Included ADSB monitoring to aid safety argument for RNP regulatory safety argument. (Jan07)

Jetstar commence operations into **Brisbane and Gold Coast** (Jun08)

Air New Zealand commence operations with A320 into **Brisbane and Gold Coast** (Dec 09)

Implementation of Terminal Area RNP (ITAR) Project
Permanent Multi Variant Designs

2004

2005

2006

2007

2008

2009

2010-

Qantas launched RNP procedures into and out of **Queenstown**. (Sep04)

CASA issue instrument to authorise Qantas RNP-AR trial at Australian ports (Jan06)

Trial RNP-AR procedures introduced to **Canberra** (May06)

Trial RNP-AR Procedures introduced at: **Hobart Ayres Rock Townsville and Alice Springs** (Sep-Dec06)

Trial RNP-AR Procedures introduced at: **Gold Coast Cairns**

Trial RNP-AR Procedures introduced at: **Broome, Karratha, Kalgoorlie, Mt Isa** (Jan08) and **Port Hedland** (Jun08)

Trial RNP-AR Procedures introduced at: **Darwin** (Jan09) **Adelaide** (Oct 09) **Melbourne** (Dec09)

Current Status



- **CASA Sponsored Trial is still ongoing**

- Qantas, B737-800
- 16 Airports
 - Adelaide, Alice Springs, Ayers Rock, Broome, Cairns, Canberra, Darwin, Gold Coast, Hobart, Kalgoorlie, Karratha, Melbourne, Mount Isa, Newman, Port Headland, Townsville
- Jetstar and Air New Zealand A320 currently only operating under trial conditions at Gold Coast



Australian Government
Civil Aviation Safety Authority



NAVERUS
Part of GE Aviation

- **Airservices Program**

- ITAR project
 - GE PBN Services (Naverus Inc) 6 Airports
 - Adelaide, Brisbane, Cairns, Canberra, Gold Coast, Melbourne
 - Brisbane implemented 8 March 2012







Australian Government

Department of Infrastructure and Transport

Airport Master Planning

Airports Act 1996

Airports Branch
Department of Infrastructure and
Transport



Overview

- Airport Master Plans
 - Overview
 - Master Plan Development Process
 - Master Plan Assessment Process
- Guidelines
 - Master Plan Amendment Guidelines
 - Significant Impact on the Local or Regional Community Guide

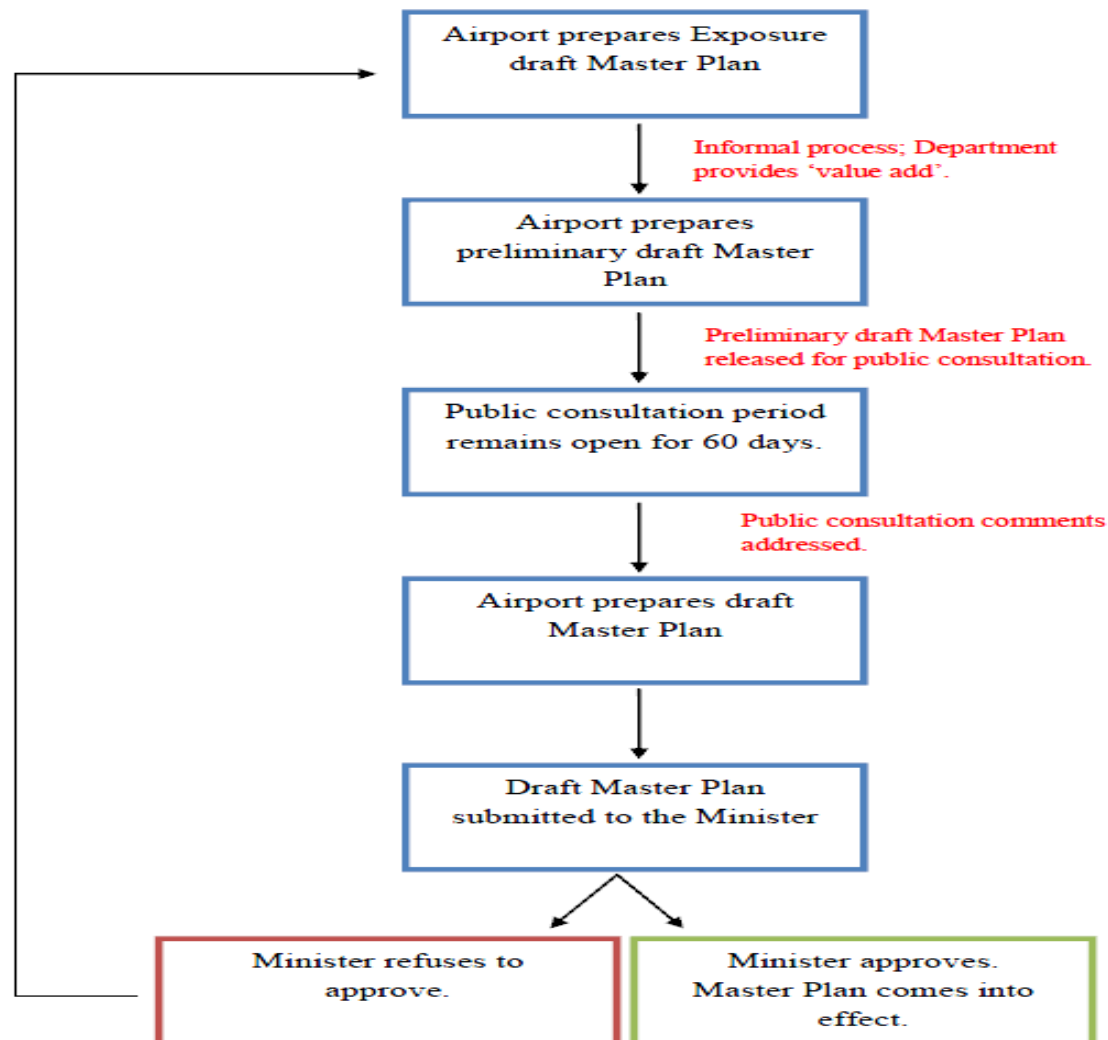


Airport Master Plan

- Master Plan objectives and requirements outlined in sections 69 - 71 of the *Airports Act 1996*;
- Have a 20 year planning period:
 - Updated every 5 years; and
 - Set the development objectives for the airport and include proposals for land use.
- Master Plans include:
 - Ground Transport Plan;
 - Environment Strategy;
 - Noise forecast and impact;
 - Aeronautical and non-aeronautical development plans; and
 - Analysis of economic impact of proposed developments.



Master Plan Development



Australian Government

Department of Infrastructure and Transport

Master Plan Assessment Process

- Assessed against sections 71 and 81 of the *Airports Act 1996*;
- Minister must consider a variety of issues, including:
 - Development objectives and assessment of future needs;
 - Australian Noise Exposure Forecast (ANEF);
 - Environmental issues and management plan; and
 - Major Development Plans and sensitive developments.



Guidelines

- Master Plan Amendment Guidelines.
- Significant Impact on the Local or Regional Community Guide.
- Master Plan Amendment Guidelines and Significant Impact on the Local or Regional Community Guide have been created to assist operators of leased federal airports with meeting the new requirements for Master Plans and MDPs.



Australian Government

Department of Infrastructure and Transport

Master Plan Amendment Guidelines

- Outlines the new requirements for Master Plans:
 - A ground transport plan;
 - More detailed information on proposed developments for the next 5-year cycle;
 - Analysis of 'fit' with planning schemes adjacent to the airport; and
 - Incorporation of an environment strategy.



Australian Government

Department of Infrastructure and Transport

Significant Impact on the Local or Regional Community Guide

- Airport required to produce an MDP where community impact is likely to be 'significant'.
- Ensure that developments that have significant community impacts will be subject to the optimal level of public comment and independent scrutiny.
- Enables the community and local stakeholders to have input into developments that may be contentious within the local area.
- Policy background outlined in the 2009 National Aviation Policy White Paper.



Australian Government

Department of Infrastructure and Transport

Significant Impact on the Local or Regional Community Guide

- Major Development Plan trigger that will be activated by any development with a significant impact on the local or regional community.
 - Regardless of size or cost.
 - Considers community impacts e.g. noise and smell, risk for safety and security, impact on economics and employment, large gatherings of people etc.
- The trigger may be applied if:
 - Consensus cannot be reached through early community consultation and other mechanisms; or
 - The Airport Building Controller identifies a likely significant impact on the local or regional community – the matter is then referred to the Department.



Questions?

- The guidelines are available on the Department's website - <http://www.infrastructure.gov.au/>.
- For further information on these guidelines, or if you have any further questions, please contact the Department on (02) 6274 7111.



Australian Government

Department of Infrastructure and Transport