

35th Airline/ATS Safety Forum

NEW AIRSPACE USERS – MANAGING THESE AS AN INDUSTRY

DAY ONE: THURSDAY 24 MAY 2018

Ballroom Le Grande 3: Sofitel, Brisbane

Time	Activity
0845 – 0915	Sign in for delegates and arrival tea and coffee
0915 – 0925	Welcome and introductions <i>Will Kerr, Safety Surveillance Manager – Airservices</i>
0925 – 0945	Forum opening address <i>Rob Weaver, Executive General Manager Safety and Assurance – Airservices</i>
0945 – 1030	Analysis of our safety performance <i>Elizabeth Culver, Safety Performance Analyst – Airservices</i>
1030 – 1100	Morning tea and refreshments
1100 – 1120	Using data to drive improvements – runway safety and understanding the big picture <i>Mu Yan, Safety Performance Analysis Manager – Airservices</i>
1120 – 1140	Remotely piloted aircraft systems (RPAS) – what does the information show us? <i>Dr Terry O’Bree, Senior Transport Safety Investigator – Australian Transport Safety Bureau (ATSB)</i>
1140 – 1210	RPAS Operational Risks – an air traffic controller perspective <i>Neil Roduner, Senior ATS Specialist – Airservices</i>
1210 – 1310	Lunch break
1310 – 1340	Case study: ATSB investigation into a loss of control involving RPAS near Ballina/Byron <i>Sarah Fien, Senior Transport Safety Investigator – Australian Transport Safety Bureau (ATSB)</i>
1340 – 1445	Panel discussion: the future of manned and unmanned aircraft <i>Andrew Duggan, General Manager – Insitu Pacific</i> <i>Sarah Druce, Operational Safety Manager – Airways NZ</i> <i>Adam Welsh, Head of Public Policy APAC – DJI</i> <i>Facilitator: Claire Marrison, Standards and Systems Manager – Airservices</i>
1445 – 1515	Afternoon tea and refreshments
1515 – 1615	Workshop: Building the wider risk picture and what can we do? <i>Will Kerr, Safety Surveillance Manager – Airservices</i>
1615 – 1630	Summary of day one activities <i>Will Kerr, Safety Surveillance Manager – Airservices</i>
1800 – 2100	Cocktail function Lobby 3, Sofitel Brisbane Dress code: smart casual

DAY ONE PRESENTATIONS AND DISCUSSIONS OVERVIEW

Session Title	Description
Welcome and introductions	Airservices will officially open the forum, provide an overview of the agenda highlights, introduce the forum support team and discuss the logistics for the day. <i>Presenter: Will Kerr, Safety Surveillance Manager – Airservices</i>
Forum opening address	The Executive General Manager of Safety and Assurance will officially open the forum by 'setting the scene', introducing the forum theme and how delegates can contribute. <i>Presenter: Rob Weaver, Executive General Manager Safety and Assurance – Airservices</i>
Analysis of our safety performance	Airservices have completed an analysis of our safety performance and identified where the majority of occurrences are happening. This presentation shows this data and where improvements need to be made to reduce these occurrences. <i>Presenter: Elizabeth Culver, Safety Performance Analyst – Airservices</i>
Using data to drive improvements – runway safety and understanding the big picture	Through more enhanced analysis of the data that Airservices has, two key programs of work have been established in 2018 to enhance runway safety and develop an industry-wide awareness and understanding of shared risks. This session focuses on what improvements have been made and what actions have been planned to enhance runway safety and capture the big picture. <i>Presenter: Mu Yan, Safety Performance Analysis Manager – Airservices</i>
Remotely piloted aircraft systems (RPAS) – what does the information show us?	The Australian Safety Transport Bureau (ATSB) has a substantial amount of data on RPAS occurrences. The ATSB will present this data, focusing on trends and hotspots where RPAS occurrences are common. <i>Presenter: Dr Terry O'Bree, Senior Transport Safety Investigator – Australian Transport Safety Bureau (ATSB)</i>
RPAS Operational Risks – an air traffic controller perspective	Continuing on the focus on RPAS, this presentation focuses on the risks that RPAS present to an air traffic controller. <i>Presenter: Neil Roduner, Senior ATS Specialist – Airservices</i>
Case study: ATSB investigation into a loss of control involving RPAS near Ballina/Byron	In 2016, a Pulse Aerospace Vapor 55 RPA was operating a test flight at Lighthouse Beach in Ballina, NSW. The operator of the RPA lost contact with the device with both the controls and sight. The RPA was never found despite an extensive search. This presentation will focus on the investigation by the ATSB including the different aspects that were in play as a 'first of type' investigation into this growing airspace user. <i>Presenter: Sarah Fien, Senior Transport Safety Investigator, ATSB</i>
Panel discussion: the future of manned and unmanned aircraft	This panel discussion brings together experts in the field of manned and unmanned aircraft where panellists will jointly discuss the research into this pertinent topic, as well as their own personal insights. Delegates will have the opportunity to ask questions to the panel as well. <i>Presenter: Andrew Duggan, General Manager – Insitu Pacific</i> <i>Presenter: Sarah Druce, Operational Safety Manager – Airways NZ</i> <i>Presenter: Adam Welsh, Head of Public Policy APAC – DJI</i> <i>Facilitator: Claire Marrison, Standards and Systems Manager – Airservices</i>
Workshop: Building the wider risk picture and what can we do?	Prior to the forum, delegates were invited to complete a survey to identify top safety issues and risks that they currently see. This workshop looks at the survey results and expands on how these issues and/or risks can be reduced/resolved. <i>Presenter: Will Kerr, Safety Surveillance Manager – Airservices</i>

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DAY TWO: FRIDAY 25 MAY 2018

Ballroom Le Grande 3: Sofitel, Brisbane

Time	Activity
0845 – 0900	Sign in for delegates and arrival tea and coffee
0900 – 0910	Introduction to day two <i>Will Kerr, Safety Surveillance Manager – Airservices</i>
0910 – 0940	The next five years in air traffic management <i>Stephen Angus, Executive General Manager Air Navigation Services – Airservices</i>
0940 – 1010	Case study: Queensland Police, RPAS and the XXI (2018) Commonwealth Games <i>John Hildebrand, Aviation Security Coordinator – Queensland Police Service</i>
1010 – 1030	Airspace users in the next ten years: what can we expect? <i>Reece Clothier, Principal Researcher – Boeing Research and Technology Australia</i>
1030 – 1100	Morning tea and refreshments
1100 – 1130	ATC – Pilot Miscommunication <i>Dr Brett Molesworth, Senior Lecturer – University of NSW</i>
1130 – 1230	Workshop: Developing a shared mental model <i>Greg McLean, Human Factors Lead – Airservices</i> <i>Claire Marrison, Standards and Systems Manager – Airservices</i>
1230 – 1315	Lunch break
1315 – 1400	Panel discussion: Ask an air traffic controller <i>Markus Johnston, Air Traffic Controller – Airservices</i> <i>Ben Cureton, Air Traffic Controller – Airservices</i> <i>Andrew Smith, Air Traffic Controller – Airservices</i> <i>Jeremy Sutton, Air Traffic Controller – Airservices</i> <i>Facilitator: Chris McCormack, ATC Line Manager – Airservices</i>
1400 – 1420	Interference from A380's at the Sydney ILS – An Airservices Review <i>Will Kerr, Safety Surveillance Manager – Airservices</i>
1420 – 1435	Afternoon tea and refreshments
1435 – 1515	Workshop: next steps and industry action planning <i>Mu Yan, Safety Performance Analysis Manager – Airservices</i>
1515 – 1530	Summary of workshops, actions and closing address <i>Will Kerr, Airservices</i>
1530	Forum closed

DAY TWO PRESENTATIONS AND DISCUSSIONS OVERVIEW

Session Title	Description
The next five years in air traffic management	<p>Airservices is transforming, with new systems and approaches presenting a significant change in how we will provide more flexible, scalable and agile and safe air traffic control services in Australia. This presentation will explore the safety benefits of Airservices 5 Year ATM Service Plan, OneSKY and future Air Traffic Management opportunities.</p> <p><i>Presenter: Stephen Angus, Executive General Manager Air Navigation Services – Airservices</i></p>
Case study: Queensland Police, RPAS and the XXI (2018) Commonwealth Games	<p>Australia recently played host to the 2018 Commonwealth Games on the Gold Coast, QLD, where the states police force were equipped with technology to detect and disable drones flying around the games sites. This session presents a case study on the work required to implement this technology and its subsequent use.</p> <p><i>Presenter: John Hildebrand, Aviation Security Coordinator – Queensland Police Service</i></p>
Airspace users in the next ten years: what can we expect?	<p>Our industry will change dramatically over the next decade. This presentation will look at what exactly we can expect to see during this time period and how we can prepare for it.</p> <p><i>Presenter: Reece Clothier, Principal Researcher – Boeing Research and Technology Australia</i></p>
ATC – Pilot Miscommunication	<p>The University of NSW has completed research investigating miscommunication in both general aviation and commercial aviation, paying particular attention to the language background of the pilots, the number of items in each transmission (information density), the phase of flight and the nature of the error. This presentation will focus on the results of this research.</p> <p><i>Presenter: Dr Brett Molesworth, Senior Lecturer – University of NSW</i></p>
Workshop: Developing a shared mental model	<p>One of the limitations currently being seen by Airservices and operators is the lack of understanding between the differences of both pilots and air traffic controllers. This workshop looks at how an industry-wide shared mental model can be developed in Australia to alleviate this limitation.</p> <p><i>Presenter: Greg McLean, Human Factors Lead – Airservices</i> <i>Presenter: Claire Marrison, Standards and Systems Manager – Airservices</i></p>
Panel discussion: Ask an air traffic controller	<p>This panel discussion allows delegates to ask any questions they have of air traffic controllers in attendance at the forum. For those delegates who would prefer to anonymously ask their question/s, there will be a space at the forum venue where you can write down your questions and the facilitator will ask on your behalf.</p> <p><i>Presenter: Markus Johnston, Air Traffic Controller – Airservices</i> <i>Presenter: Ben Cureton, Air Traffic Controller – Airservices</i> <i>Presenter: Andrew Smith, Air Traffic Controller – Airservices</i> <i>Presenter: Jeremy Sutton, Air Traffic Controller – Airservices</i> <i>Facilitator: Chris McCormack, ATC Line Manager – Airservices</i></p>
Interference from A380's at the Sydney ILS – An Airservices Review	<p>Airservices have recently completed a review into an increase in the number of occurrences where aircraft have descended below the published glide path when conducting an ILS approach into Sydney runway 16R. This presentation shows the findings from this review and the subsequent actions.</p> <p><i>Presenter: Will Kerr, Safety Surveillance Manager – Airservices</i></p>
Workshop: next steps and industry action planning	<p>With all of the information presented at the forum, this workshop will allow delegates to document and identify what the next steps are and develop a comprehensive action plan, which prioritises actions and assigns owners.</p> <p><i>Presenter: Mu Yan, Safety Performance Analysis Manager – Airservices</i></p>