International Advisory Committee
IASS Program Development
January 24, 2018
Alexandria, Virginia, USA
MINUTES

Meeting Attendees

Bill Curtis	The Presage Group	IAC Chair
Harry Nelson	Airbus	IAC Vice-Chair
Joseph Barclay	Inflight Warning Systems	MAC Chair
Mike Gillen	United Airlines	
Danny Ho	EVA Air	
David Mawdsley*	Mawdsley Safety	
Jon Tree	Jeppesen	
Frank Hildrup	NTSB	
Randy Kenagy	ALPA	
Ratan Khatwa*	Honeywell	
Sean Cassidy	Amazon Prime Air	
Linda Orlady	Orlady Associates	
Gregory Bulkeley*	Boeing	
George Hodgson*	Southwest Airlines	Pending FSF IAC member
Jon Beatty	FSF	
Mark Millam	FSF	
Frank Jackman	FSF	
Caren Waddell*	FSF	
Elizabeth Solarzano*	FSF	

* Attended via on-line connection

Regrets – Greg Wallace, Mark Burtonwood, Michael Piers

Agenda Items

1. Opening and Welcome

International Advisory Committee (IAC) Chairman, Bill Curtis, called the meeting to order at 9:00 EST. He gave his opening remarks and welcomed all attendees.

2. Attendee Introductions/Meeting Objectives

The Chair introduced Jon Beatty, President, Flight Safety Foundation (FSF), to the IAC. Jon gave a short introduction. He thanked the IAC for helping to put together a successful program for IASS 2017 in Dublin, and said he was looking forward to a successful IASS 2018 in Seattle. He informed the group that Boeing, and John Hamilton, FSF's new Chair, will support IASS 2018. Jon stated that a big focus for John Hamilton will be to look at FSF committee structure, and look for ways to improve communications between all FSF committees.

The Chair thanked Jon and led the attendee introductions around the room and online.

The Chair and Mark Millam stated that the focus of today's IAC meeting is to discuss the upcoming IASS, the IASS call for presentations, and to start forming the IASS agenda.

3. Review/Adoption of Past Minutes and Action Items

The Chair asked for comments on the past meeting minutes. David Mawdsley advised that it was Chris Solan from GE, not Chris Murray from Rolls-Royce, who attended part of the meeting and David called for the attendee list to be corrected. David also informed the group that "Rolls-Royce Digital" is now known as "Rolls-Royce R2 Data Labs" whom he represented at the Dublin IAC.

The Chair recognized that the ALPA activity listed on page 5 of the minutes was incorrectly captured. The Chair also added that titles for action items are needed.

The minutes were not approved since some action items need better description titles. The minutes will be open for approval at the next IAC meeting.

4. Dublin IASS Survey Results

Survey results from IASS 2017 were reviewed and discussed. Key remarks were as follows:

Attendees primary objective at IASS is professional development. Keep this in mind for agenda planning.

Time for questions discussed. Survey respondents and IAC members expressed unhappiness with length of actual questions, some bordered on speech-making. Moderators need to be on guard for speech making from audience. While we want to enhance the interactive portion of the seminar the moderators can help to guard against speech making from audience.   Some of the speech from the floor results may indicate a need to balance the session presentations with multiple perspectives on the topic.

Some feedback suggested slides were not always easy to read. The process for managing the quality of slides was discussed. It was agreed we should do our best to lay out guidelines for the speaker's presentations, which includes size of fonts. Look to our moderators or session chairs to encourage speakers to follow the guidelines, but we won't make the moderators/session chairs/event coordinators establish a process for strict enforcement. At the same time we want moderators to be more active with their panel/session.

ACTION ITEM: Vice Chair tasked with drawing up guidelines for moderators. IAC encouraged to send him ideas/priorities.

The conference app may help for structuring interactivity. Using the conference app for submitting questions is a possibility. Speakers can respond to written questions through the app later or through a "speakers corner" made clear during the event. Questions from the floor should be entertained first.

Spouse events/opportunities should be investigated.

The IAC would like more meaningful survey data. The IAC offered to help FSF construct the survey for 2018 IASS. They would like to review all survey comments. More survey participants are desired. Offer a discount or raffle for filling out the survey. Use app to rate speakers/sessions as they occur. Downside, survey results are made public in the app.

Continue to encourage speakers to make their presentation slides legible, use appropriate font sizing, etc.

Some verbal feedback from IASS attendees, not reflected in the survey, indicates a need for more takeaways.

More involvement from IATA, and airlines was suggested. Also, more accident and incident presentations, case studies, were desired.

Some of the survey responses were truncated and had not been summarized completely. These included questions 7,8,9&10. Question 7 asked which presentations of greatest value. A complete quantitative analysis was not available, so Mark summarized which presentations received multiple responses. They included Erik Hollnagel (resilience), Kathy Fox (Canadian accident investigation) , Danny Ho and Greg Marshall(FORAS), and Martin Smith and Bill Curtis (go around decision making). Question 8 asked which presentation had the least value. (China management system implementation), FORAS, and Amazon Prime data all had multiple responses. Mark mentioned these questions deserve further review to provide more quantitative results.

The full results from questions 7 thru 10 are provided in attachment B (Excel file). Questions 7 and 8 are quantified and summarized.

5. Break

6. Top Safety Issues 2018

Mark Millam reviewed the current top 10 safety issues list and including some additional information about the 2017 performance. A small subcommittee has already been formed to help guide the staff efforts in maintaining the list and incorporate any new topics.

David Mawdsley questioned using only data provided by the Air Safety Network (ASN), stating their data is not comprehensive. Mark explained that ASN data forms the starting point and that the data accounting by the foundation is only in fatal accidents from this source. More robust processes are already in place and published from other organizations to describe the performance in non-fatal accident events (IATA, ICAO, CAAs). The broad topics provide FSF a handy way to organize and describe issues in so FSF can identify where they need to dig deeper. Many organizations use ASN and other public or internal information to produce their own top safety lists.

The Chair suggested FSF get inspiration from the Canadian safety board top watch list.

The Chair recommended the IAC look at what is emerging and focus on these issues since other organizations are not focusing on them. There are many organizations who are looking at safety issues that are already identified. Randy Kenagy suggested FSF look at how they can help pilots/airlines implement safety measures. The Chair recommended FSF take a closer look at runway safety and consider a slightly different heading for item 4 and 7 on our list.

The Chair and Mark Millam agreed to move the discussion and development of the list to the broader IAC agenda at the next meeting. Mark added that the list deserves better explanation of purpose but ultimately it is meant to be a broader, more inclusive list.

7. IASS 2018 Call for Presentation Topics

IAC member discussion identified the focus areas for IASS 2018 as depicted in attachment A.

Joe Barclay suggested three areas of focus for the IASS maintenance track:
- failure to follow procedures,
- quality and oversight, and
- professionalism (communication and collaboration).
- Topics such as flight data issues as they apply to maintenance, what is being done with all the data being collected, and cyber security with connected aircraft, should be considered.

Mark Millam and (Chairman) Bill Curtis will work to assemble the attachment A topics into groups along with a more descriptive explanation of the sections of the IASS potential agenda. This will serve as the basis for our call for papers.

Notes regarding the call for presentations were that FSF ask to collect the final presentation slide with the abstract, that complimentary speaker registration be advertised better, and to use social media as a tool to advertise the call for presentations.

8. Lunch

9. IASS 2018 Keynote Speaker Discussion

The IAC offered suggestions on keynote speakers for IASS 2018. The recommendations are (in no specific order):

- Bonnie Dunbar (former NASA astronaut, former CEO Museum of Flight, current professor at Texas A&M)
- Ali Bahrami (FAA Associate Administrator for Aviation Safety)
- C. Donald Bateman (Inventor of GPWS, Honeywell – retired) *Also consider him for the maintenance and engineering keynote
- Christopher Johnson (Glasgow University, Head of Computing Science - Cyber Security)
- Patrick Ky (EASA Executive Director)
- Marc Garneau (Minister of Transport – Canada, former astronaut)
- Caroline McCall - High Level Top of Operations in Europe – counterbalance from FAA
- Robert Sumwalt (NTSB Chairman)
- Brian Kruzanick (CEO of Intel)
- Usanee Sangsingkeo (Acting President of Thai Airways)
- Tony Fernandes, Group Chief Executive Officer, Air Asia
- Brad Tilden (Alaska Airlines/Alaska Air Group CEO)
- Paul O'Neil (Chief Underwriting Officer, Allianz Global Corporate & Specialty SE)
- Oscar Munoz (United Airlines President & CEO)
- Kevin Shum (Director General or Civil Aviation Authority of Singapore)
- Bob Smith (CEO Blue Origin – Amazon Space)
- Ken Hylander (Chief Safety Officer - Amtrak)
- Cynthia Wilson (United) – speaker
- Rob Van Eskeren (Cost of an accident – who ultimately pays) – speaker
- Boeing Representative

Secretary Note: Added at the request of David Mawdsley

10. 2018 Meeting Schedule

The following timeline was suggested for the IASS development.

Feb 15th – Call for Presentation release
Mar 29th – CFP deadline
April 9/10 – IASS Agenda Development Committee/IAC meeting
May 15 – Final IASS 2018 Agenda to be posted online
Nov 11th – IAC meeting
Nov 12-14 IASS 2018

11. Roundtable

The online portion of the participants did not get to participate due to technical difficulties with the software used.

Mark Millam mentioned we didn't discuss the member survey results but they may prove to be useful in addressing the needs of FSF members at IASS.

A previous action item from the Dublin meeting mentions forming a small group to identify the enhancements that can be made to IASS in 2018 for agenda development discussion. The group discussed whether this overlaps with the Vice Chairman (Harry Nelson) action item in this meeting. It was agreed to keep the two separate.

12. Meeting close

The meeting was adjourned at 3:30 p.m.

Attachment A

Items in RED also identified as items for the Mx track
Communication –
- Industry,
- Internal (Mx, Gnd, ATC, FLT – OPS Security)
Integration/Collaboration(MOQA – connected aircraft (cyber security))
CFIT
LOC
HF
ALAR
- Human Element
- HF,
- Performance,
- Designing,
- Digital Native
Challenges
- cost justification ,
- moving safety mitigations to reality MX,
- advancing safety MX, within company/industry – how? What can I do?,
- MOQA Data Analysis
Compliance (What drives?) –Failure to follow procedures in mx, ,
Oversight MX,
Predictive Risk Reduction
Audit intelligence,
Case Studies,
PAST/PRESENT/ FUTURE,
Takeaways – Tangibles,
Practical/Theoretical,
Successes,
Value//Investment in Safety (Who Pays?),
Other Industries (Medical, Rail, Mining, Hydro, Designing/Training /Certification, Silicon Valley,
Av Security),
Designing
Solicit PPT/Wide Viewpoints
Ground Ops – Cost?
New Distractions
- WIFI
- devices
Autonomous Operations
- ATM
- Integration
- automation
Ops Security – along with its own limitations
Systemic Capacities

SUMMARY/GROUPING OF ABOVE –
- RETURN ON SAFETY,
- FUTURE THREATS/OPPURTUNITIES,
- CHALLENGES,
- COLLABORATION/INTEGATION/COMMUNICATION,
- HUMAN ELEMENT
- FREE DISCUSSION,

Format or Structure of Presentations should include;
- Data Collection (source) and analysis (source)
- Actions because of the analysis
- Results of the actions, was the corrective action successful
- Or, Incidents/Accidents presentation

CALL FOR PAPERS – Notes
- Collect or tell us about your final Slide on Presentation for conclusions w/abstract
- Speakers fees – mention no charge on individual invites (subtle denotation)

Action items

Action Items			
Item No.	Description	Person(s) Responsible	Status
201502	Establish a follow up committee to the GADMEP to execute project recommendations targeted to the FSF (vs. airlines), and promote industry validation/trial of proposed revision to the FSF stable approach and go-around recommendations.	Bill Curtis	
	13 Apr 17: Discussed. The Foundation and The Presage Group will be working together on any follow-on consultation that may arise as a result of the report. The Foundation has sought industry comment on the report.	Greg Marshall	On-going
	22 Oct 17: Working papers were submitted to both APRAST and RASGPa with associated in-person briefings provided. CASA have also provided some valuable feedback following circulation of the report to States at APRAST. One-day workshops are being planned. One will be held in London on 7 December and one is planned to be held in Singapore to coincide with SASS during March 2018.		
201503	Multiple Diversion/Airport Capacity Project; scope and outline the issue in more detail	Harry Nelson	In progress
	13 Apr 17: Harry provided a further brief on this activity and discussion led to the decision to conduct a high-level survey to gather some initial information to be presented at IASS and supported by breakout groups. This will then be followed by deeper research into the issue. Stakeholders will include aircraft operators, airlines, ANSPs, airports. To utilize the assistance of industry groups to assist.	Harry Nelson/ Mark Millam	In progress
	22 Oct 17: Update from Harry Nelson. ASIAS, Eurocontrol, NATS UK interested in this. Ongoing. Recent incidents in Spain, two in India (one involving Air Canada). The recent Fukushima incident appears to be related. Linda Orlady and Jon Tree to assist.	Harry Nelson/ Linda Orlady/ Jon Tree	
201504	Image Recorders; explore a draft FSF position on image recorders/ solicit input from the IAC.	Greg Marshall	Closed
	Share ALPA formal opinion with the FSF.	Randy Kenagy	Closed
	13 Apr 17: A statement of position on image recorders to be drafted and circulated for comment. Submissions to a State letter issued by ICAO due on 20 April.	Greg Marshall	Closed
		Greg Marshall	Not completed
	22 Oct 17: Greg Marshall advised that the image recorder position paper was not accepted by the board on the basis of whether this was required at this time. Mark Millam elaborated on this. A process for drafting position papers was developed and tabled at the board meeting. This was accepted.	Mark Millam	Open

Action items

	The IAC was of the firm belief that the need for a position paper on this topic is still valid. The IAC will re-package the position paper with further information to explain to the board the intent of how this may be used.		
201505	Unmanned Aircraft Systems (UAS); Standing item. The IAC will monitor the issue. The FSF should consider education and awareness initiatives	IAC Greg Marshall	
	22 Oct 17: Sean Cassidy provided a brief on some activities being undertaken in terms of rule making within the US and EASA. ICAO, global registration and tracking process. Airspace access. Greg Marshall advised that the board was supportive of establishing a committee for UAS. Greg abd Mark to discuss further with Sean and Randy Kenagy to determine how this may be best addressed.	Greg Marshall/ Mark Millam/ Sean Cassidy/ Randy Kenagy	Open
201507	Maintenance Safety Workshops / IASS Segment; Introduce specific maintenance segmentation to future IASSs	Greg Marshall / Joe Barclay	In Progress
	13 Nov16; Joe B to solicit interested parties to re-establish the Maintenance Advisory Committee		
	13 Apr 17: Greg Marshall provided an updated on this. The parallel session was successful and will be repeated at this year's IASS. A Maintenance Advisory Committee is to be established and attendees identified. A letter will be sent under cover of the CEO to proposed members.	Greg Marshall/ Joe Barclay	
	22 Oct 17: To create a stand-alone committee. Mark Millam and Joseph Barclay to discuss.		
		Mark Millam/ Joseph Barclay	Open

Action items

201508	FSF/IAC Industry Outreach; In order to establish better industry safety committee connection with the FSF;		Open
	1) Compile a list of industry committees and key contact references. IAC members to forward committee/contact information to Greg Marshall, Greg to compile.	IAC members / Greg Marshall	
	2) Following 1), establish appropriate relationship with each committee	IAC / Greg Marshall	
	13 Nov16; It was discussed and agreed that this is still a worthwhile initiative however a platform to house the coordination of this is required. Once the FSF new website is fully operational Greg M will investigate capabilities.	Greg Marshall	Pending
	22 Oct 17: This requires an enhancement to the new platform. Until this occurs, a dedicated site for committee members cannot be accommodated.	Greg Marshall/ Mark Millam	Will remain an open item
201509	Enhancing IAC Communications; Between meetings hold at least one IAC conference call. 13 Nov16; This was briefly discussed as there has been no action taken to date. Everyone appears to be task loaded between regular meetings. Is there another method of communications between meetings? Further discussion required. 22 Oct 17: No further action taken.	Bill Curtis	Open
201601	Establish standing membership on the IATA Accident Classification Task Force, which meets twice annually to produce the IATA Annual Safety Report. Bill Curtis offered to initially attend the ACTF on behalf of the Foundation. Greg Marshall to contact IATA and discuss. 22 Oct 17: No further action taken. Suggest follow up by Mark Millam.	Greg Marshall Mark Millam	Open
201701	Additional work between the Foundation and Presage Group is taking place related to consultation with third parties. A podcast interview between Greg Marshall and Bill Curtis will be conducted and uploaded to the website in coming weeks. Ideally, we would like to see ICAO develop some ISARPS requiring operators to at least monitor GA compliance rates. The next step will be to take recommendations from the report and turn these into training material. A presentation on the report will be made at IASS. Similar study for business aviation under discussion	FSF/ Presage Greg Marshall/ Bill Curtis To be discussed To be discussed	

Action items

	22 Oct 17: Discussions have taken place with some OEMs re funding a similar project for business aviation. 22 Oct 17: There is an open item related to LOC-I and Go-Arounds between IFALPA and FSF at APRAST. Mark to follow up at next APRAST meeting in November.	Greg Marshall/ Bill Curtis In progress Info Mark Millam
201702	22 Oct 17: A small group to be formed to identify enhancements that can be made to IASS in 2018 that can be discussed at the next meeting re agenda development.	David Mawdsley/ Dhruv Rebbapragada/ Harry Nelson/ Roger Lee/ Mark Millam
201703	22 Oct 17: With respect to the Top 10 safety issues, there is a need to identify where the most safety improvements are needed. Assistance from committee members sought.	Mike Gillen/ Linda Orlady/ Mark Millam.