



**International Advisory Committee**

April 13, 2017

Alexandria, VA

**MINUTES**

## Meeting Attendees

Bill Curtis (Chair)	The Presage Group	
Harry Nelson (Co-chair)	Airbus	
Randy Kenagy	ALPA	
Shai Gill		Ex-officio
Dhruv Rebbapragada	IndiGo Airlines	
Michel Piers	Netherlands Aerospace Centre	
David Mawdsley	Rolls Royce Digital	
Jon Tree	Jeppeson	
Ratan Khatwa	Honeywell	
Linda Orlady	Orlady Associates	
Mike Gillen	United Airlines	
Danny Ho	EVA Air	Ex-officio
Greg Marshall	VP Global Programs	FSF
Mark Millam	VP Technical	FSF

## Noted Apologies

Mark Burtonwood	Emirates Airline	
Lou Nemeth	CAE Inc	
Joseph Barclay	In-flight Warning Services	
Joe Gillespie	Gates Aviation	
Hideaki Miyachi	JAL	
Linda Gunnarsdottir	Icelandair	
Majed Al Marzouqi	Etihad	
Greg Wallace	Qantas	

## Agenda Items

<b>Agenda Item 1: Opening &amp; Welcome</b>	
1.1	Meeting opened by Bill Curtis at 0905
<b>Agenda Item 2: Introductions</b>	
2.1	Introductions were made by all in attendance.
<b>Agenda Item 3: FSF Leadership Update</b>	
3.1	Jon Beatty was not able to attend but Greg Marshall provided an overview of Foundation activities. Greg also advised of two resignations; Susan Lausch and Christopher Rochette, both of whom have elected to take up opportunities elsewhere.
<b>Agenda Item 4: FSF update</b>	
4.1	Greg Marshall provided an update on activities associated with Global Programs. The Go-Around Decision-Making and Execution project report was released on 27 March and has thus far attracted interest and positive comments from both the civil and military sectors.
4.2	Mark Millam provided a brief on the GSIP project and potential future workshops and activities. This will be discussed elsewhere within the minutes.
4.3	Frank Jackman provided an update on publications, including the introduction of a new app for viewing ASW. Frank also requested contributions from members on articles for publication in ASW.
4.4	Tvetomir Blajev provided an update from the EAC. The European Safety Forum will be held in Brussels on the 6th and 7th of June. Frank Jackman will be attending on behalf of head office.
<b>Agenda Item 5: New Members/Review of Attendance</b>	
5.1	The Committee welcomed the following new members: <ul style="list-style-type: none"><li>• Captain Mike Gillen (United Airlines)</li><li>• Captain Dhruv Rebbapragada (IndiGo Airline)</li><li>• Mr Shai Gill</li><li>• Captain Gregory Bulkeley (Boeing)</li></ul>
<b>Agenda Item 6: Review/Adoption of Previous Minutes and Action Items</b>	
6.1	Previous minutes accepted
6.2	Action items reviewed and updated in the attachment.

**Agenda Item 8: Projects & Activities**

8.1 The GADME report was released on 27 March and feedback has been positive. Additional work between the Foundation and Presage Group is taking place related to consultation with third parties on recommendations contained within the report. 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. If able, a side meeting/ workshop on the issue will be included. We are seeking to conduct a similar study for business aviation, provided this is appropriately funded. Discussions are underway with a number of persons within that industry sector. Shai Gill noted that El Al and his company are looking to adopt most of the recommendations from the report. Opportunities to run workshops based on the report will be sought. Jon Tree advised that the report was very well received at the recent IATA Ops Conference in Sydney. ATC is a known factor in setting crews up for unstable approaches. The simple strategy here is for crews to respond to excessive and late requirements with 'unable'. Bill spoke about some recent feedback from Porter Airlines. Their deep landings have reduced by 28%; their go-around compliance rate has increased by 71%. There is very high agreement amongst flight operations personnel with the policy. Greg Marshall asked if Porter would be able to present at IASS. A presentation slot will be provided for them.

**Agenda Item 9: Multiple Diversion Safety in a Growth Environment**

9.1 Harry provided a further brief on this activity. Capacity and growth are not keeping up with each other. Air traffic is expected to double in the next 15 to 20 years but, other than China, capacity to support this growth is not planned to increase. Discussion led to the decision to conduct a high-level survey to gather some initial information on the issue with the intent to conduct further analysis and produce recommendations. These are planned to be presented at IASS, which could be 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.

<b>Agenda Item 10: Strategic GSIP Committee</b>	
10.1	<p>Mark provided a brief on the status of GSIP thus far.</p> <p>David Mawdsley advised that both he and Linda Orlady have spent time with Mark discussing the role of the Strategic GSIP Committee to assist Mark accordingly.</p> <p>A session on data will be included in IASS which David will Chair. Mark will work with David and Linda on this session.</p>
<b>Agenda Item 11: Maintenance Advisory Committee</b>	
11.1	<p>In the absence of Joseph Barclay, Greg Marshall advised that both he and Joseph are working on a letter to be sent to potential participants of this committee. In addition, a Terms of Reference document is being developed. These will be refined in coming months.</p>
<b>Agenda Item 12: IASS Agenda Development Committee</b>	
12.1	<p>The committee was briefed on the paper selection process that occurred the preceding day.</p> <p>Professor Erik Holnagel will be approached by Bill Curtis to seek his involvement.</p> <p>Conor Nolan will arrange for the keynote speaker.</p> <p>A parallel session will be held on day#2 on maintenance safety, similar to Dubai. Dr Bill Johnson, FAA, has agreed to attend and participate in that.</p> <p>A session on 'bridging the gap' between maintenance and flight operations personnel will be included. This expands on a presentation provided at IASS 2016 that proved very popular.</p> <p>Greg Marshall will map out the agenda. Once notifications have been provided to successful and unsuccessful abstract submitters, the agenda will be posted on our website.</p>
<b>Agenda Item 13: Off agenda items</b>	
13.1	<p>Jon Tree provided an update from the previous meeting on the SID/STAR naming protocol. Jon will provide further information on this.</p> <p>Harry Nelson noted that this is a big issue.</p>
13.2	<p>Bill Curtis had previously asked if the Foundation is able to attend the IATA Accident Classification Task Force (ACTF). Greg Marshall is still to follow up with IATA.</p>
13.3	<p>Greg Marshall advised that during a recent ICAO meeting, Miguel Marin was seeking some information on what the industry is currently doing to address the CFIT risk.</p> <p>Greg advised that he was setting up a preliminary meeting between ICAO, Boeing, Airbus and Honeywell on this.</p> <p>There are a number of activities that the industry is undertaking to manage this risk.</p> <p>Ratan Khatwa advised that GPS and EGPWS terrain database updates are crucial to risk mitigation.</p> <p>Others advised that changes to approach procedure design would enhance risk</p>

	<p>mitigation.</p> <p>The FSF checklist is still being widely used today. It would be useful if we could turn this into an App for use in EFBs and elsewhere.</p> <p>The CFIT accident rate is higher for turbo-prop operations, however the aircraft themselves don't pose a higher risk. This is related to equipment and a probably higher exposure to CFIT risk due to environmental considerations. However, culture may play a part here.</p> <p>Is commonality of procedures across manufacturers an issue?</p>
13.4	<p>One item raised during the meeting related to TCAS which appears to be an issue worthy of Foundation research.</p> <p>Tzvetomir Blajev advised that this is a top risk along with transponder failure.</p> <p>Ratan Khatwa advised that RTCA are looking at the issue of transponder failure and the effect that this has. The issue of non-compliance with TCAS RAs was raised at our recent Singapore conference.</p> <p>Bill Curtis advised that, from data, 14% fail to comply with TCAS RAs.</p> <p>Worthy of further study.</p>
<b>Agenda Item 14: Meeting close</b>	
14.1	<p>Bill Curtis and Harry Nelson closed the meeting at 1500 thanking everyone for their attendance.</p>

<b>Action Items</b>			
<b>Item No.</b>	<b>Description</b>	<b>Person(s) Responsible</b>	<b>Status</b>
<b>201501</b>	Go-Around Decision Making and Execution Making Project (GADMEP); produce final report and close project  13 Apr 17: Report issued 27 March.	Bill Curtis / FSF (Frank Jackman)	Closed
<b>201502</b>	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.  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.	Bill Curtis  Greg Marshall	On-going
<b>201503</b>	Multiple Diversion/Airport Capacity Project; scope and outline the issue in more detail  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  Harry Nelson/ Greg Marshall	In progress  In progress
<b>201504</b>	Image Recorders; explore a draft FSF position on image recorders/ solicit input from the IAC.  Share ALPA formal opinion with the FSF.  13 Apr 17: A statement of position on image recorders to be drafted and circulated for comment.	Greg Marshall  Randy Kenagy  Greg Marshall	Open  Closed

	Submissions to a State letter issued by ICAO due on 20 April.	Greg Marshall	Open
<b>201505</b>	Unmanned Aircraft Systems (UAS); Standing item. The IAC will monitor the issue. The FSF should consider education and awareness initiatives	IAC Greg Marshall	
	13 Apr 17: Transferred to a standing item list.		Standing item
<b>201506</b>	GSIP; The IAC recommended the establishment of a Strategic GSIP Sub Committee to advise and assist in GSIP strategic direction and funding	Bill Curtis / Greg Marshall	
	As per the meeting minutes of April18/16 and Nov 13/16 Linda Orlady will chair a GSIP Strategic Direction and Funding Subcommittee. David Mawdsley will assist. This will be in coordination with Mark Millam	Linda Orlady / David Mawdsley	
	14 Apr 17: David Mawdsley and Linda Orlady to be incorporated into an established board steering committee. This item will be transferred to a standing item list.		Closed
<b>201507</b>	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	



<b>201508</b>	<p>FSF/IAC Industry Outreach; In order to establish better industry safety committee connection with the FSF;</p> <ol style="list-style-type: none"> <li>1) Compile a list of industry committees and key contact references. IAC members to forward committee/contact information to Greg Marshall, Greg to compile.</li> <li>2) Following 1), establish appropriate relationship with each committee</li> </ol> <p>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.</p>	<p>IAC members / Greg Marshall</p> <p>IAC / Greg Marshall</p> <p>Greg Marshall</p>	Open
<b>201509</b>	<p>Enhancing IAC Communications; Between meetings hold at least one IAC conference call.</p> <p>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.</p>	Bill Curtis	Open
<b>201601</b>	<p>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</p>	Greg Marshall	Open
<b>201701</b>	<p>Additional work between the Foundation and Presage Group is taking place related to consultation with third parties.</p> <p>A podcast interview between Greg Marshall and Bill Curtis will be conducted and uploaded to the website in coming weeks.</p> <p>Ideally, we would like to see ICAO develop some ISARPS requiring operators to at least monitor GA compliance rates.</p> <p>The next step will be to take recommendations from the report and turn these into training</p>	<p>FSF/ Presage</p> <p>Greg Marshall/ Bill Curtis</p> <p>To be discussed</p> <p>To be discussed</p>	

material.

A presentation on the report will be made at IASS.

Greg Marshall/  
Bill Curtis

Similar study for business aviation under discussion

In progress

## Agenda

### International Advisory Committee

Date: Thursday 13<sup>th</sup> April, 2017  
 Location: FSF Head Office  
 701 N. Fairfax Street, Suite 250, Alexandria Virginia  
 Time: 0900 - 1500

Item	Time	Topic	Name
1.	0900 – 0905	Opening & welcome	Bill Curtis
2.	0905 – 0910	Attendee introductions	All
3.	0910 – 0920	FSF leadership update	Jon Beatty
4.	0920 – 0935	FSF staff update	FSF staff
5.	0935 – 0945	New members/review of attendance	Bill Curtis
6.	0945-1010	Review / Adoption of Minutes and Action Items	Bill Curtis / All
7.	1010 – 1030	Break	
8.	1030 – 1050	Go-around Decision Making & Execution project update (GADM&E) - Final report update, Podcast (AI 201501) - Community Feedback / Activity - Project Wrap-Up - GADM&E Follow On Project (AI 201502) - Annual data gathering / reporting - Industry Audit Standards - UA vs. GA Risk Balance Analysis - GA Execution & Training Guidelines - Promotions	Frank J / Greg M Bill C / All Bill C Bill C
9.	1050 – 1110	Multiple Diversion Safety in a Growth Environment (AI201503) - Update / Project Launch	Harry Nelson
10.	1110 -1130	Strategic GSIP Sub Committee (AI 201506) - Update	David Mawdsley Linda Orlady
11.	1130 – 1145	Maintenance Advisory Committee - Update	Joseph Barclay

12.	1145 – 1230	IASS 2017 agenda development committee - Review progress	Greg Marshall
13.	1230 – 1330	Lunch	
14.	1330 - 1500	Roundtable - CFIT and ICAO - Off agenda items - New projects	All
15.	1500	Meeting close	All