

Reachout No. 47 in Karachi, Pakistan

from 11 to 16 May 2015

Hosted by Civil Aviation Authority of Pakistan

1. Introduction

1.1 The Civil Aviation Authority (CAA) of Pakistan hosted the 47th ISASI Reachout Workshop on *Continuing Airworthiness and Aircraft Accident Investigation* from 11 to 15 May 2015 in Karachi, Pakistan. The arrangements were made in collaboration with the Society of Air Safety Investigators (SASI) – Pakistan. The workshop took place under the auspices of the Director General of CAA Pakistan, Air Marshal Muhammad Yousaf, who extended his full support without which it would not have been possible to conduct this workshop.

1.2 The one week course was opened on 11 May 2015 by the Director Airworthiness, CAA Pakistan, Engr. Syed Shaukat Hameed. He welcomed the ISASI instructors to Pakistan, and the 32 participants from the Pakistan Air Force, Pakistan International Airlines, Air Blue, SEAMS, PAES, CAA Pakistan and the Safety Investigation Board Pakistan. The dedicated involvement and support by the Director Airworthiness, Engr. Syed Shaukat Hameed, was evident at all times throughout the course and was greatly appreciated by the instructors and the participants.

1.3 The workshop was held at the IMS Resource Center (CAA Pakistan training facility), which met and exceeded all expectations for a training facility.

1.4 At the closing ceremony on Friday 15 May 2015, ISASI certificates were presented to the 32 participants by the Principal Director (Regulatory), Mr. Manzar Jamal Siddiqui, the Director Airworthiness, Engr. Syed Shaukat Hameed, and the ISASI instructors (Frank Del Gandio and Caj Frostell).

1.5 The SASI Pakistan coordination and arrangements were handled by Wing Commander (Retd) Syed Naseem Ahmed (President SASI Pakistan), Captain Mohsin Ausaf Khan (PIA Safety), and Air Commodore Muhammad AbdulBasit Shah (President of the Safety Investigation Board, Pakistan). The SASI Pakistan officials took great care to ensure the instructors and participants had everything they needed to maximize learning from the course.

2. Technical content of the workshop

2.1 The lead ISASI instructors were Mr. Frank Del Gandio (President ISASI) and Mr. Caj Frostell (ISASI International Councillor). Wing Commander (Retd) Syed Naseem Ahmed was also a course instructor.

2.2 The Continuing Airworthiness presentations included aging aircraft maintenance, repairs and alterations; human factors in aircraft maintenance; maintenance safety and airworthy versus unairworthy; the roles of technicians and inspectors; MEL and MMEL; systems and electrical wiring; maintenance training; the regulatory process, and the roles of the FAA and the manufacturer; as well as numerous case studies.

2.3 The accident investigation presentations covered the international requirements in aircraft accident investigation (ICAO Annex 13); the organization of an accident investigation agency;

planning and organization for investigations; the role of an airline in a major accident investigation; photography; material factors; examples of test and research in investigations; occurrence reporting and incident investigation; crashworthiness and survivability; and investigation case studies and exercises.

3. Participant hand-outs and materials

3.1 The instructors prepared master copies of their training material. SASI Pakistan and CAA Pakistan arranged for reproduction of the presentations in the form of a hardcopy participant handout. The instructors also provided the CAA Pakistan with DVD of published manuals and documentation covering background material and industry best practices. Each participant was able to access the DVD material through intranet or dropbox.

3.2 ISASI membership forms and corporate membership forms were made available to the participants.

4. Pakistan International Airlines Flight Safety Seminar on 12 May 2015

4.1 On the afternoon of 12 May 2015, the instructors were invited to the PIA Flight Safety Seminar at the PIA Training Centre Auditorium. The Seminar was organized by the PIA Chief Pilot Safety, Captain Amir Aftab. The Seminar included a presentation on safety issues by Captain Amir Aftab; an address by the Deputy Director General of CAA Pakistan, Air Vice Marshal Khawar Hussain; an aviation psychiatry presentation by Dr. Unaiza Niaz, Institute of Air Safety, Pakistan Air Force; guest speakers from the Agha Khan University Hospital, IATA and the Royal Aeronautical Society; and a presentation on the IATA Ground Operational Manual by Mrs. Seema Zaman, Deputy General Manager QA, PIA.

4.2 The ISASI President, Frank Del Gandio also addressed the Seminar. The Seminar concluded with the presentation of Flight Safety Awards and an address by the Chairman of PIA.

5. Visit to the Institute of Air Safety, Pakistan Air Force

5.1 On Saturday 16 May 2015, the instructors were invited to the Pakistan Air Force Institute of Air Safety (IAS) by the Officer Commanding, Air Commodore Noor Elahi Bajwa. The instructors (Frank Del Gandio and Caj Frostell) were given a guided tour of the training facilities and the wreckage laboratory. A six week aircraft accident investigation course was in progress and both Mr. Frank Del Gandio and Mr. Caj Frostell were given an opportunity to address the course. It was a great opportunity for the ISASI team to interact with and share views with IAS instructors and management.

5.2 The IAS, Pakistan Air Force became an ISASI Corporate member in 2013.

5.3 The IAS, Pakistan Air Force is a premier institute which conducts regular courses in aviation safety. The courses include flight safety officers, aircraft accident investigation, ground safety officers, technical investigations, quality assurance and human factors in aviation. In addition to Pakistani students, there are usually a number of international participants attending these courses.

6. Conclusion

6.1 The CAA management and several participants mentioned with appreciation that it was a unique opportunity as the Pakistani aviation industry (CAA, airlines, Air Force) was brought together to discuss aviation safety issues. From an ISASI instructor perspective, it was also a unique opportunity as the workshop provided a very interesting forum for exchanging experiences, different ways of implementing safety strategies, handling of emergency situations, carrying out investigations, implementing safety actions and exchanging ideas for the future.

6.2 A social evening event was hosted by Pakistan International Airlines and another social evening event was hosted by Shaheen Air International.

6.3 The excellent arrangements in Karachi were accomplished by CAA Pakistan and SASI Pakistan. The travel of the instructors and their accommodation at the Ramada Plaza Karachi Airport Hotel was sponsored by CAA Pakistan. The instructors truly appreciated the excellent arrangements, the interactions with management and course participants, as well as the exceptional hospitality. The outstanding arrangements and assistance rendered to the instructors were invaluable in all aspects.



ISASI Reachout no. 47. In the middle, Wing Commander (Retd) Syed Naseem Ahmed, Caj Frostell, Engr. Syed Shaukat Hameed, Frank Del Gandio and Air Commodor Muhammead AbdulBasit Shah.



Closing ceremony. Wing Commander (Retd) Syed Naseem Ahmed, President of SASI Pakistan, with Frank Del Gandio and Caj Frostell.



Closing ceremony. ISASI President Frank Del Gandio addressing the audience. On the podium: Engr. Syed Shaukat Hameed, Principal Director Manzar Jamal Siddiqui and Air Commodore Muhammed AbdulBasit Shah.



Principal Director Manzar Jamal Siddique, Director Airworthiness Engr. Syed Shaukat Hameed and Frank Del Gandio.



Director Airworthiness Engr. Syed Shaukat Hameed, Caj Frostell and Wing Commander (Retd) Syed Naseem Ahmed President of SASI Pakistan.