

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
SEVENTH MEETING OF THE CIVIL AVIATION AUTHORITIES OF THE SAM REGION
(RAAC/7)**

(Salvador, Bahia, Brazil, 1-3 July 2002)

Agenda Item 8: Other items

FAA TRAINAIR TRAINING PROGRAM

(Presented by the United States of America)

INFORMATION PAPER

Summary

This paper contains information regarding existing and planned ICAO TRAINAIR courses at the FAA Academy in Oklahoma City. This training provides instruction for both operations and airworthiness government aviation safety inspectors in the areas of air operator certification and approved maintenance organization (AMO) certification.

1. Introduction

- 1.1 Both the ICAO Universal Safety Oversight Audit Program (USOAP) and the FAA International Aviation Safety Assessment (IASA) program have shown that some States lack sufficient civil aviation law, regulations and technical guidance to provide safety oversight effective enough for the States to meet their obligations under the Chicago Convention. As a result, ICAO has developed ICAO Document 9734, Safety Oversight Manual, to provide safety oversight guidance, and the FAA has developed the Model Civil Aviation Law and Regulations that States can adopt or use to adapt their own law and regulations to meet ICAO standards. The Model Regulations are based upon ICAO Annexes, and are cross-referenced to the U.S. FARs and the European JARs.
- 1.2 Both ICAO and the FAA realized that any guidance given to States, whether in the form of laws, regulations or manuals, would not be very effective without specialized training of a State's aviation personnel. States may simply adopt the guidance material without understanding how to apply it. In view of this problem, ICAO and the FAA formed a team to develop technical guidance and a specialized training program based on the Model Law and Regulations. The ICAO and FAA team assured that safety oversight guidance developed by both organizations would be incorporated into the specialized training program.
- 1.3 The results of an ICAO/FAA training needs assessment showed that the most crucial training needs were for courses to qualify government aviation safety inspectors for operations and airworthiness to perform air operator certification and approved maintenance organization (AMO) certification.
- 1.4 These courses were developed using ICAO TRAINAIR course development methodology. TRAINAIR is the ICAO organization responsible for establishing international training standards. At present, the FAA provides an approved ICAO TRAINAIR program at Oklahoma City, Oklahoma.

The training presently being provided at the Oklahoma City TRAINAIR site consists of the four courses described below.

2. Discussion

- 2.1 **Course 23000, Government Aviation Safety Inspector – Operations** is intended for a State's CAA operations inspectors. This course provides instruction in every phase of the air operator certification process based upon guidance developed by ICAO and the FAA. The course is comprehensive, performance-based and requires students to perform inspector tasks associated with air operator certification. Students in the course follow a mock air operator throughout the certification process.
- 2.2 **Course 23002, Government Aviation Safety Inspector – Airworthiness** is intended for a State's CAA airworthiness inspectors. This course provides instruction in every phase of the air operator and the approved maintenance organization certification process based upon guidance developed by ICAO and the FAA. The course is comprehensive, performance-based and requires students to perform inspector tasks associated with air operator and AMO certification. Students in the course follow a mock air operator and AMO throughout the certification process.
- 2.3 **Course 23001, Train-the-Trainer for Course 23000 and Course 23003, Train-the-Trainer for Course 23002.** These courses provide instruction on how to teach the inspector courses. The Train-the-Trainer courses are intended for States seeking to become an ICAO TRAINAIR Regional or Sub-regional Training Centre. These courses are offered at the FAA Academy. Only graduates of the inspector courses are eligible to attend.
- 2.4 ICAO USOAP and the FAA IASA programs have also shown that many States do not have the necessary guidance in place for establishing and conducting continuing safety oversight. Additional TRAINAIR courses are being developed to address this serious problem. This course development effort, known as "Phase II" will focus teaching the graduates of Courses 23000 and 23002 how to perform continuing surveillance of certificated air operators and AMOs. Students will follow the mock air operator and/or the mock AMO that were certificated in the first courses. The courses are tentatively numbered and titled: Course 23004, Establishing and Conducting a Continuing Safety Oversight Program – Operations, designed for government operations inspectors, and Course 23005, Establishing and Conducting a Continuing Safety Oversight Program – Airworthiness, designed for government airworthiness inspectors. Upon completing either Course 23004 or 23005, graduates will have developed a continuing safety oversight plan for the mock air operator or AMO based upon the Model law and Regulations and ICAO technical guidance. Course 23000 is a prerequisite for Course 23004 and Course 23002 is a prerequisite for Course 23005.
- 2.5 On-the-job training (OJT) is vital considering the very visual and "hands-on" nature of the surveillance tasks involved in conducting continuing safety oversight and the intimidating experience that conducting surveillance of operators or AMO can be for the novice inspector. Based upon direct observation in countries whose inspectors were not performing their tasks effectively, ICAO and FAA training and technical experts realized that an in-country OJT segment would be needed to fully develop the professional aviation inspector cadre needed by countries to meet their international obligations. Such an OJT program is being developed. Before the OJT segment would commence, graduates of either Course 23004 or 23005 will submit a continuing safety oversight plan developed for one of the the graduate's own State air operators or AMOs. The plan will be based on their own State's regulations or the Model Regulations. If the plan is appropriate, sufficient, and approved by the CAA of the State, TRAINAIR instructors will perform in-country OJT on the tasks identified in

the plan. The OJT instructors will evaluate and provide feedback to the graduates based on how well they “evaluated” the air operator or AMO.

- 2.6** A train-the-trainer course for instructors who will be teaching Course 23004 or 23005 is also under development. This train-the-trainer course, is tentatively numbered and titled **Course 23006, Train-the-Trainer for Course 23004 or 23005**. This course will teach graduates of Course 23004 or 23005, who have been designated to teach either Course 23004 or 23005 in addition to the OJT in-country segment, how to conduct OJT and how to objectively evaluate students using a student performance checklist. Graduates of these courses must also have completed either Course 23000 and 23001 or Course 23002 and 23003.

3. Conclusion

- 3.1 Air passenger traffic is expected to significantly increase within the Latin American region in the near future, yet some civil aviation authorities are deficient in complying with international standards. Graduates of the 23000 series courses will receive the complete package, Model Civil Aviation Law and Regulations and ICAO technical guidance, that their authorities can use to develop standards for their own aviation safety oversight programs.
- 3.2 Development is also planned for a seminar that will discuss how the model aviation law provides a legal basis for the establishment of a civil aviation authority and the promulgation of regulations. Additionally, a seminar or course will be developed outlining compliance and enforcement options based upon surveillance data.
- 3.3 In order to learn more about the above mentioned classes, including costs, in-country training opportunities, additional dates and prerequisites required, please refer to the FAA Academy website at www.academy.jccbi.gov/ or contact:

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