



**ICAO-ENDORSED GOVERNMENT SAFETY INSPECTOR TRAINING
FIRST COORDINATION MEETING**

Montreal, 17 to 21 October 2005

Agenda Item 2: Status Report on Government Safety Inspector Courses

STATUS REPORT ON GSI COURSES

(Presented by the Secretariat)

1. INTRODUCTION

1.1 Since May 1998, several GSI courses have been developed in collaboration with the FAA using the ICAO Course Development Methodology. The purpose of this paper is to describe the status of development of each GSI course, encourage cooperation between endorsed centres, and establish timelines for the finalization, validation and dissemination of these materials.

2. BACKGROUND

2.1 The development of competency-based training is resource intensive. This has been particularly true for GSI courses which have been developed in parallel to model regulations, a complex exercise in its own right, in addition to the complexity of the inspection function itself. The maintenance of the course materials in parallel to the model regulations is also demanding.

2.2 As indicated in Discussion Paper No. 1, the need for GSI course materials is expanding. A list of GSI courses that have been developed or are under development to date including the new ICAO coding Convention can be found in the Appendix to this paper. The list also mentions courses related to surveillance, which have been identified as an important training need.

2.3 The Government Safety Inspector, Operations – Air Operator Certification and the Government Safety Inspector, Airworthiness – Air Operator and Approved Maintenance Organization Certification Courses were the first courses developed. They have been delivered numerous times in different endorsed centres. As the FAA and ICAO collaborated to develop

these course materials, changes were introduced as necessary. However, lacking detailed delivery reports, it has not been possible to consistently address some of the points that have been raised during deliveries from other endorsed centres.

2.4 The Government Safety Inspector – Personnel Licensing Officers/Staff was developed in a collaborative effort among the FAA, the Netherlands and ICAO. This type of collaboration proved very beneficial and is encouraged for the development of future GSI courses.

2.5 GSI course materials depend on model regulations. These regulations need to be maintained to ensure consistency with ICAO Standards and Recommended Practices (SARPs). With each modification to the model regulations, GSI courses need to be updated. This means that a version control system for GSI courses needs to be established and implemented systematically. This issue is further compounded by the fact that the GSI courses have been translated in the Spanish language and may be translated in the Russian language, for which we are grateful to IAC, CIPE and the interest of the NAU. Once updates have been made to the English version of GSI courses, these should be recorded in a systematic manner, translated and provided to the endorsed centres using the language versions.

2.6 Language resources within ICAO are extremely limited. Consequently, translation of updated GSI course materials would be delayed for years. Thus, the language versions would not be in line with the original English version. This lack of synchronization between language versions could negatively impact standardization and course scheduling. It is therefore proposed that the endorsed centres using the language versions be the focal points for initial translation and maintenance of the translated versions. Originators of course materials will be required to indicate the updates in the course materials and make apparent where the changes have been introduced in order to allow endorsed centres that are language focal points to update the materials.

3. GSI TRAIN-THE-TRAINER COURSE

3.1 Instructors who deliver the GSI courses need to meet a number of requirements, among them successfully completing the GSI course that they will teach as well as an associated Train-The-Trainer course. The purpose of this Train-The-Trainer course is to ensure that prospective instructors are familiar with the design, instructional techniques, and underlying principles specific to GSI courses.

3.2 The GSI courses have been developed using the ICAO Course Development Methodology. The ATPS Unit has reviewed and approved in August 2005 a new Instructor Training Course (ITC) aimed at providing prospective instructors with the skills, knowledge and attitudes to deliver inter alia competency-based training such as GSI courses. The ITC course could therefore be adapted for the purpose of GSI course instruction because it addresses the delivery of competency-based course materials such as the GSI courses. Furthermore, the ITC could be distributed to all centres if need be. A list of the modules of the existing ITC, an indication of their relevance to the GSI courses and an estimated duration for the modified course can be found at Appendix B to this paper. It should be noted that the estimated time serves as an indicator only. The adaptation of the ITC for GSI courses could be undertaken as a collaborative effort between ICAO and endorsed centres.

3.3 Alternatively, an equivalent to the Train-The-Trainer course could be acceptable if it holds the same characteristics of the modified GSI/ITC course. Before an alternative Train-The-Trainer course is used, it would have to be evaluated by ICAO to ensure it can be considered an acceptable means of compliance.

4. **CONCLUSION**

4.1. The meeting is invited to:

- a) review the list of GSI courses and their status of development in Appendix A to this paper;
 - b) review the proposal in paragraph 2.6 concerning language focal points;
 - c) review the proposal in paragraph 3 concerning alternative Train-The-Trainer courses;
 - d) discuss and establish workplans for GSI course development;
and
 - e) identify tasks in which GSI endorsed centres could collaborate.
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Modules of Instructor Training Course (ITC) and Relevance for GSI Courses
APPENDIX A

GSI Code	GSI Title	Latest Version	Status of development
ICAO/GSI/OPS/CERT	Government Safety Inspector, Operations – Air Operator Certification	E – Feb 05 S - 2002	<ul style="list-style-type: none"> • Translated in Spanish by IAC, Brazil • Latest English version reviewed by ICAO in July 2005
ICAO/GSI/AIR/CERT	Government Safety Inspector, Airworthiness – Air Operator and Approved Maintenance Organization Certification	E – June 05 S - 2004	<ul style="list-style-type: none"> • Developed in Spanish by CIPE, Argentina • Latest English version reviewed by ICAO in June 2005
ICAO/GSI/OPS/FCL	Government Safety Inspector, Operations – Flight Crew Licensing	E – Feb 05	<ul style="list-style-type: none"> • Reviewed by ICAO in July 2005. Requires further amendment.
ICAO/GSI/AIR/MTL	Government Safety Inspector, Airworthiness – Maintenance Engineer/Technician Licensing		
ICAO/GSI/PEL/OFFICER	Government Safety Inspector – Personnel Licensing Officers/Staff		
ICAO/GSI/PEL/MED/EXAM	Government Safety Inspector – Personnel Licensing Medical Staff/Examiners		
ICAO/GSI/OPS/ATO/CERT	Government Safety Inspector, Operations – Approved Training Organization Certification	E – Feb 05	<ul style="list-style-type: none"> • Reviewed by ICAO in July 2005
ICAO/GSI/AIR/ATO/CERT	Government Safety Inspector, Airworthiness – Approved Training Organization Certification	Under development	
ICAO/GSI/OPS/SURV	Government Safety Inspector, Operations – Surveillance	To be developed	
ICAO/GSI/AIR/SURV	Government Safety Inspector, Airworthiness – Surveillance	To be developed	

Modules of Instructor Training Course (ITC) and Relevance for GSI Courses
APPENDIX B

ITC Module No.	Module Title	Applicable for GSI TTT?	Time (in minutes)	Notes
1	Preparing training materials (conventional courses)	Yes	0	Part of module 1 should be used and adapted for GSI courses, especially as regards the structure of the GSI courses. These items could be integrated in module 2.
2	Preparing to delivery group-based training	Yes	565	
3	Conducting group-based training	Yes	960	Exercise and test materials could be modified to use GSI course materials.
4	Preparing to administer individualized training courses	No	0	GSI courses are group-based. However, instructors can maintain their qualifications by providing OJT. This module may be considered useful in this regard.
5	Administering individualized training courses	No	0	See notes above
6	Evaluating trainee(s) performance	Yes	250	
7	Course delivery report	Yes	240	
8	Post-training evaluation	No	0	
Estimated No. of hours			33.58	