



Agenda Item 1 Follow-up on ICAO Training and Human Resources Activities
1.3 Next Generation Aviation Professionals (NGAP) programme

TRAINAIR PLUS PROGRAMME STATUS

(Presented by the Secretariat)

SUMMARY	
This paper outlines the current progress in the development of the TRAINAIR <i>Plus</i> Programme since TPSC/1.	
Appendix — Standardized Training Package (STP) Development Status as of 16 June 2013	
Strategic Objectives	<i>This working paper is related to Strategic Objectives:</i> A. <i>Safety – Enhance global civil aviation safety</i> B. <i>Security – Enhance global civil aviation security</i> C. <i>Environmental Protection and Sustainable Development of Air Transport</i>

1. Membership

1.1 Since the first TRAINAIR *Plus* Steering Committee meeting (TPSC/1) in September 2012, 2 (two) new training centres have become Full Members, which brings the total number of Full Members to Five (5) in the NAM/CAR Region, as follows:

#	Training Institution			Full Member since
1	Central America (new)	Instituto Centroamericano de Capacitación Aeronáutica	ICCAE-COCESNA	February 2013
2	Cuba	Centro de Adiestramiento de la Aviación	CAA	September 2012
3	Dominican Republic	Academia Superior de Ciencias Aeronáuticas	ASCA	July 2012
4	Jamaica (new)	Jamaica Civil Aviation Authority Training Institute	CAATI	February 2013
5	Mexico	Centro de Instrucción Internacional de Aeropuertos y Servicios Auxiliares	CIASA	September 2012

1.2 In addition to Full Members, two (2) Civil Aviation Training Centres have become Associate Members since TPSC/1. The Associate Members are as follows:

#	State	Training Centre	Associate Member Since
1	Trinidad and Tobago (new)	Civil Aviation Authority (CAA) Civil Aviation Training Centre (CATC)	June 2013
2	United States (new)	Federal Aviation Administration (FAA) Academy	June 2013

2. Course Development Activities

2.1 One of the Key Performance Indicators (KPI) of the TRAINAIR *Plus* Programme is the production of Standardized Training Packages (STPs) available for international sharing to support States and industry training plans. As of 16 June 2013, twenty two (22) STPs have been validated. This represents an additional thirteen (13) STPs since TPSC1. Seventeen (17) STPs are available through the TRAINAIR *Plus* electronic Management System (TPeMS). Twenty two (22) additional STPs are being actively prepared by TRAINAIR *Plus* members and will further enrich the sharing system.

2.2 The current list of STPs uploaded, validated and in development can be found in the **Appendix**.

3. Network Activities

3.1 Training Developers Courses

3.1.1 Another important KPI is the number of trained staff. The Training Developers Course (TDC) provides the necessary knowledge and skills to apply the TRAINAIR *Plus* course development methodology (ICAO Doc 9941). After successfully completing the TDC, participants are required to develop an STP under the supervision of a validator in order to become qualified course developers. The development of a first STP is considered as an On-the-Job Training (OJT).

3.1.2 Sixteen (16) TDCs have been conducted in 2012 and an additional seven (7) have been held since the beginning of 2013. These TDCs are organized by TRAINAIR *Plus* Members in their training facilities. The course is currently available in English, French and Spanish, and will be available in Chinese in 2013. An additional eleven (11) courses are planned for the remainder of 2013. As of 1 June 2013, the total number of certified TRAINAIR *Plus* Course Developers is 345.

3.1.3 The requirements to conduct a TDC are contained in the TRAINAIR *Plus* Operations Manual (TPOM), Section 8.1. Establishing course development capability tremendously contribute to the delivery of quality training by training centres and is essential for the global development of the TRAINAIR *Plus* Programme. It also ensures that States and TRAINAIR *Plus* Members can remain self-sufficient in the methodology as they can train additional course developers, in a more cost-efficient manner, as the need arises within their State.

3.2 Additional Courses

3.2.1 Two additional TRAINAIR *Plus* courses are in the process of being developed. The Training Instructors Course (TIC) was validated, in Spanish, in February 2013 and is currently being translated into English. The course will be available for delivery at TRAINAIR *Plus* training centres by September 2013. The Training Managers Course (TMC) is in the process of being developed and will be available by January 2014 for delivery.

3.3 Course Developers Seminar

3.3.1 Starting in January 2014, Members of the TRAINAIR *Plus* Programme will be invited to host Course Developers Seminars (CDS). These Seminars will provide a platform for course developers and instructors to meet and exchange best practices and experiences in their fields of activity in order to enhance the capability and expertise of their Course Development Units (CDU).

4. TRAINAIR *Plus* Regional and Global Conferences

4.1 TRAINAIR *Plus* Regional Conferences are held every other year and allow members of the TRAINAIR *Plus* Programme to:

- inform participants on the latest trends, techniques and tools currently available in regional aviation training;
- provide an international forum to exchange best practices and experiences in aviation training in general, and more specifically on the TRAINAIR *Plus* Programme;
- develop awareness of the programme and of generic themes related to aviation training; and
- establish effective communication links at a regional level in the field of training between ICAO and the training organizations, States, regional organizations, operators, the industry and training organizations.

4.2 As of June 2013, 7 TRAINAIR *Plus* Regional Symposia have been held. Another Symposium is planned to be held in December 2013 in Johannesburg, South Africa and will be hosted by the Air Traffic and Navigation Services of South Africa. States will be approached shortly to invite them to host TRAINAIR *Plus* Regional Symposia for 2015.

4.3 ICAO is coordinating with host States and organizations the dates and venue for the next Global Symposium to be held in 2014.

5. TRAINAIR *Plus* Electronic Management System (TPeMS)

5.1 Phase two of the TPeMS is currently being tested. The new features of this phase will allow Members to develop and submit their STP material in an efficient and timely manner. This applies to first STPs as well as additional STPs developed by training centres. Four additional phases are in development, as follows: membership process, management of TRAINAIR *Plus* courses, Steering Committee, instructor and assessor portals.

APPENDIX / APÉNDICE
Disponible únicamente en inglés



**MAIN TOPICS FOR THE DEVELOPMENT
OF NEW STPS BASED ON GLOBAL TRAINING NEEDS**

1. Aeronautical Information Management (AIM)
2. ATC Team Resource Management (TRM) and Safety
3. Best Practices for Air Navigation Service Providers
4. CNS/ATM Planning
5. Fatigue Risk Management Systems (FRMS)
6. Legal and Financial Issues for Air Navigation Service Providers
7. Operational Risk Management (ORM) in Civil Aviation
8. Planning and Strategic Direction in Civil Aviation
9. Quality Management Systems (QMS) for Civil Aviation Authorities (CAA) and Air Navigation Service (ANS) Providers
10. Legal Aspects of Aviation
11. Civil Aviation Jet Fuel Supply
12. Aircraft Accident/Incident Investigation
13. Standard instrument departures (SIDs)/Standard terminal arrival routes (STARs) phraseology
14. Global Operational Data Link Document (GOLD) [including required communications performance (RCP)/required surveillance performance (RSP)]
15. ATS Interfacility Data Communications (AIDC)
16. Satellite Communications (SATCOM) – Voice
17. Wake Turbulence Runway Separations
18. Civil/Military Cooperation/ Flexible Use of Airspace/ Airspace Planning
19. Implementation of QMS for Aeronautical Meteorology
20. Airport Bird Hazard Management
21. Runway Excursions/Incursions
22. Automatic Dependent Surveillance Broadcast (ADS-B)
23. Ramp Resource Management (RRM)
24. Airspace Infringement/Communication and navigation
25. Volcanic Ash: Guidance/Controllers and Flight Crews

— END/FIN —



TRAINAIR
PLUS

STPs NOW AVAILABLE

The ICAO TRAINAIR PLUS Standardized Training Package (STP) Library brings dozens of fully documented and tested comprehensive packages of training material together in one convenient location.

Ordering an STP via the virtual library is convenient and hassle-free. Once your order is placed, the STP is electronically delivered, via the TRAINAIR PLUS Electronic Management System (TPeMS), to your training centre. The STPs contain a step-by-step guide for the instructor, all reference material required by the trainees, a full set of tests, exercises, model answers and scoring keys as well as presentation material used in the course.

Browse the STP Library now by logging into the TRAINAIR PLUS Members area here: www.icao.int/trainairplus

Non-Members of the Programme may inquire about the delivery of STPs at trainairplus@icao.int



22*
Validated
Available online through the STP library

22*
STPs Under Development

CONTACT INFO:

WWW.ICAO.INT/TRAINAIRPLUS

+1.514.954.8219 EXT. 8171

TRAINAIRPLUS@ICAO.INT

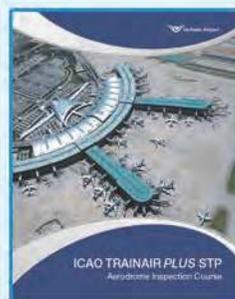
*As of 1 June 2013

STPs AVAILABLE*



Air Cargo Acceptance and Handling

Gulf Centre for Aviation Studies (GCAS)
United Arab Emirates
English



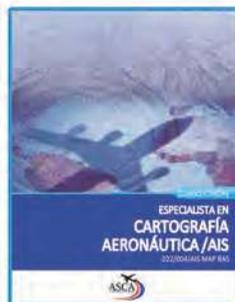
Aerodrome Inspection

Incheon Airport Aviation Academy (IAAA)
Republic of Korea
English



Aeronautical Search and Rescue

Singapore Aviation Academy (SAA)
Singapore
English



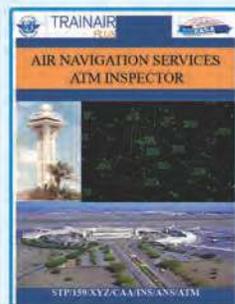
Curso de Especialista en Cartografía Aeronáutica

Academia Superior de Ciencias Aeronáuticas (ASCA)
Dominican Republic
Spanish



Air Navigation Services CNS Inspector

East African School for Aviation (EASA)
Kenya
English



Air Navigation Services ATM Inspector

East African School for Aviation (EASA)
Kenya
English



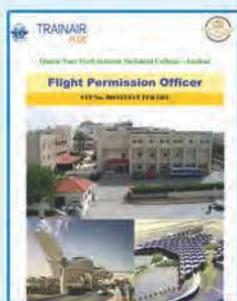
Manejo de Combustibles de Aviación

Centro de Instrucción Internacional de Aeropuertos y Servicios Auxiliares (CIASA)
Mexico
Spanish



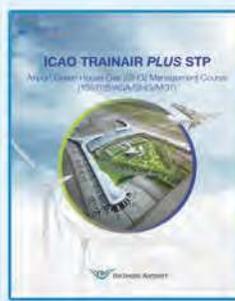
Información y Cartografía Aeronáutica

Centro de Adiestramiento de la Aviación (CAA)
Cuba
Spanish



Flight Permission Officer

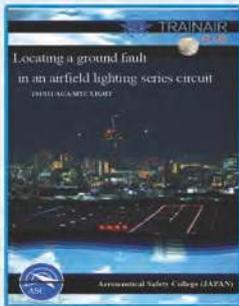
Queen Noor Civil Aviation Technical College (QNCATC)
Jordan
English



Airport Green House Gas (GHG) Management Course

Incheon Airport Aviation Academy (IAAA)
Republic of Korea
English

STPs AVAILABLE*



Locating a Ground Fault in an Airfield Lighting Series Circuit

Aeronautical Safety College (ASC)

Japan

English



Mantenimiento electromecánico y de ayudas visuales en la Certificación de Aeródromos

Centro de Instrucción Internacional de Aeropuertos y Servicios Auxiliares (CIIASA)

Mexico

Spanish



Servicios Aeroportuarios y Complementarios en la Certificación de Aeródromos

Centro de Instrucción Internacional de Aeropuertos y Servicios Auxiliares (CIIASA)

Mexico

Spanish

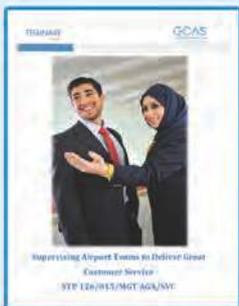


Managing Safely at Airports

Gulf Centre for Aviation Studies (GCAS)

United Arab Emirates

English



Supervising Airport Teams to Deliver Great Customer Service

Gulf Centre for Aviation Studies (GCAS)

United Arab Emirates

English



Inicial ATC Aeródromo

Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA

Central America

Spanish



Air Navigation Aids Technicians ATC Procedures Basic Indoctrination

Civil Aviation Authority Training Institute (CAATI)

Jamaica

English

Specialiste en maintenance des stations VSAT aeronautiques

L'École Africaine de la Météorologie et de l'Aviation Civile (EAMAC)

Niger

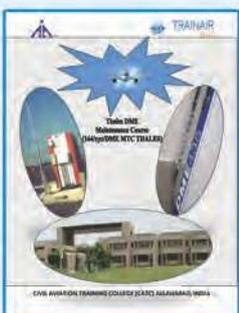
French

Online Instructional Techniques

JAA Training Organization

Netherlands

English



Thales DME Maintenance Course

Civil Aviation Training Centre, Allahabad

India

English

Travel Documents

Turkish Aviation Academy (TAA)

Turkey

English

Establishing and Maintaining an Aerodrome Manual for National and International Compliance

The ASI Institute, A Division of Aviation Strategies International

Canada

English

STPs UNDER DEVELOPMENT

STP Title	Centre	State	Language
Air Transport Operations and Risk Management	ASI Institute	Canada	English
DME Maintenance (Fernaú 2020)	CATC Iran	Iran	English
Lutte Contre les incendies d'avions: les feux mineurs	L'École Régionale de Sécurité Incendie (ERSI)	Cameroon	French
Emergencia y Evacuación	Centro de Adiestramiento de la Aviación (CAA)	Cuba	Spanish
Elaboración, Análisis e Interpretación de NOTAMs	Academia Superior de Ciencias Aeronáuticas (ASCA)	Dominican Republic	Spanish
Gestión de la implementación de la PBN	Academia Superior de Ciencias Aeronáuticas (ASCA)	Dominican Republic	Spanish
Supervisión de los servicios en plataforma y área de movimiento abierto a tráfico civil	La Escuela Técnica de Aviación Civil (ETAC)	Ecuador	Spanish
Gestion d'un espace aérien RVSM	L'École Africaine de la Météorologie et de Aviation Civile (EAMAC)	Niger	French
Leadership in Energy and Environmental Design (LEED) and Operation of Airport Infrastructure	GMR Aviation Academy	India	English
Mesure des paramètres météorologiques en altitude	L'École Africaine de la Météorologie et de Aviation Civile (EAMAC)	Niger	French
Area "Surveillance / Radar" Control	Queen Noor Civil Aviation Technical College	Jordan	English
Air Navigation Services AIS Inspector	East African School for Aviation (EASA)	Kenya	English
Air Navigation Services MET Inspector	East African School for Aviation (EASA)	Kenya	English
Basic AMHS Training for Aviation Personnel	Civil Aviation Academy (CAA)	Nepal	English
Airport Emergency Procedures	Nigerian College of Aviation Technology, Zaria	Nigeria	English
Radio Communication for Airside Safety Personnel	Qatar Aeronautical College	Qatar	English
Gestion du trafic aérien sur un aéroport: AFIS	L'École Régionale de la Navigation Aérienne et du Management (ERNAM)	Senegal	French
Performance-based Navigation (PBN) for Air Traffic Services Officers (ATSOs)	Air Traffic & Navigation Services (ATNS)	South Africa	English
Aircraft Marshalling	Civil Aviation National Training Institute (CANTI)	Sudan	English
Communication Procedures for Airside Operations	Civil Aviation Training Centre (CATC)	Thailand	English
Advances in testing and measuring techniques for ATEPs	Civil Aviation Training Centre (CATC)	Sri Lanka	English
Airside Driving	Gulf Centre for Aviation Studies (GCAS)	United Arab Emirates	English