AFI PLAN/SC16

Aviation Training Organizations and
Courses Available in Africa

ICAO GAT Office

AGENDA

- Recommendations 8: update on training activities in Africa
  - TRAINAIR PLUS Programme
  - Activities of Training Centres
- ICAO Training Portfolio
- Challenges
- The Way Forward

ICAO-RECOGNIZED TRAINING CENTRES IN THE AFI REGION

State	Training Centre	TRAINAIR PLUS Programme (TPP) Membership status	GSI TC	ASTC
Cameroon	École Régionale de Sécurité Incendie (ERSI)	Full Member		
Ethiopia	Ethiopian Civil Aviation Authority Training Centre (ECATC)	Associate Member		
	Ethiopian Aviation Academy (EAA)	Became a Full Member		
Egypt	Egyptian Aviation Academy (EAA)	Associate Member		
	Egyptair Training Centre	Associate Member		
Kenya	East African School of Aviation (EASA)	Became a Regional Training Centre of Excellence (RTCE)	X	X
Morocco	Académie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Became a Regional Training Centre of Excellence (RTCE)		
	Loumed Cabin Crew Training Center (LCCTC)	Became an Associate Member		
Niger	École Africaine de la Météorologie et de l'Aviation Civile (EAMAC)	Regional Training Centre of Excellence (RTCE)	X	
Nigeria	Nigerian College of Aviation Technology (NCAT)	Full Member		
Senegal	École Régionale de la Navigation Aérienne et Management (ERNAM)	Became a Full Member	X	X
South Africa	Air Traffic and Navigation Services (ATNS) - Aviation Training Academy	Became a Regional Training Centre of Excellence (RTCE)	X	
Sudan	Sudan Academy For Aviation Sciences and Technology (SUDAFAST)	Full Member		
United Republic of Tanzania	Tanzania Civil Aviation Training Centre	Associate Member		

STANDARDIZED TRAINING PACKAGES (STP) DEVELOPED IN THE AFI REGION

State	Training Centre	STP developed
Cameroon	École Régionale de Sécurité Incendie (ERSI)	Firefighting aircraft minor fires
Ethiopia	Ethiopian Aviation Academy (EAA)	Aviation English for Aircraft Maintenance Technicians
Kenya	East African School of Aviation (EASA)	Air Navigation Services CNS Inspector Air Navigation Services ATM Inspector Air Navigation Services MET Inspector
Niger	École Africaine de la Météorologie et de l'Aviation Civile (EAMAC)	Specialist in Maintenance of Aeronautical VSAT stations
Nigeria	Nigerian College of Aviation Technology (NCAT)	Airport Emergency Procedures
Senegal	École Régionale de la Navigation Aérienne et Management (ERNAM)	Aerodrome Air Traffic Management, AFIS
South Africa	Air Traffic and Navigation Services (ATNS) - Aviation Training Academy	Performance-Based Navigation (PBN) for Air Traffic Services Officers (ATSOs)
Sudan	Sudan Academy For Aviation Sciences and Technology (SUDAFAST)	Aircraft Marshaling

STANDARDIZED TRAINING PACKAGES (STP) UNDER DEVELOPMENT IN THE AFI REGION

State	Training Centre	Under development
Cameroon	École Régionale de Sécurité Incendie (ERSI)	Feux Généralisés d'avion
Ethiopia	Ethiopian Civil Aviation Authority Training Centre (ECATC)	1. Basic Air Traffic Message Handling System - Operations (AMHS - OPS) Course 2. Elementary Fire Fighting
Kenya	East African School of Aviation (EASA)	Air Navigation Services AIS Inspector
Niger	École Africaine de la Météorologie et de l'Aviation Civile (EAMAC)	Spécialiste en installation et maintenance du balisage lumineux d'aérodrome MCR 5000 - v2
South Africa	Air Traffic and Navigation Services (ATNS) - Aviation Training Academy	Internal Auditor's Course
Sudan	Sudan Academy For Aviation Sciences and Technology (SUDAFAST)	Certification of Regulated Air Cargo Agent (RACA)
Morocco	Academie Internationale Mohamed VI de l'Aviation Civile (AIAC)	Performance Opérationnelle Service Navigation Aérienne (POSNA) /Operational Performance Air Navigation Service (OPANS)
Tanzania	Tanzania Civil Aviation Training Centre	Approach Control Non Radar

ASSESSMENT ACTIVITIES IN THE AFI REGION IN 2015

State	Training Centre	Type of Assessment
South Africa	Air Traffic and Navigation Services (ATNS) – Aviation Training Academy	TPP Reassessment and RTCE
Swaziland	Swaziland Civil Aviation Authority (SWACAA)	Assess the possibilities of the establishment of a Civil Aviation Training Centre (CATC).
Egypt	Egyptair Training Centre	TPP Reassessment
Niger	École Africaine de la Météorologie et de l'Aviation Civile (EAMAC)	TPP Reassessment
Cameroon	École Régionale de Sécurité Incendie (ERSI)	TPP Reassessment
Senegal	École Régionale de la Navigation Aérienne et Management (ERNAM)	TPP Reassessment
United Republic of Tanzania	Tanzania Civil Aviation Training Centre	TPP Reassessment (Scheduled Dec 2015)
Botswana	International Aviation Solution Academy	TPP Initial Assessment (Dec 2015)

ICAO COURSES DELIVERED IN THE AFI REGION IN 2015

TPP Courses	As of 20 November 2015	
	number of courses	number of participants
Training Instructors Courses (TIC)	11	137
Training Developers Courses (TDC)	9	183
Training Managers Course (TMC)	1	17
Other STPs	14	144
European Coordination Centre for Aviation Incident Reporting System (ECCAIRS) Course	2	39
GSI Airworthiness Course (GSI AIR)	5	44
GSI Operations Course (GSI OPS)	3	30
GSI Personnel Licensing Course (GSI PEL)	3	42
Dangerous Goods Part 1 Course	1	19
Universal Safety Oversight Audit Programme computer-based training (USOAP CBT)	Online course (total enrolled)	196
Free USOAP CBT as potential auditors	Online course (total enrolled)	36
Totals	49	868

GSI COURSES DELIVERED IN THE AFI REGION IN 2015

GSI courses	TRAINING CENTER	STATE
GSI Airworthiness Course (GSI AIR)	ATNS ATA (2)	South Africa
	ERNAM	Senegal
	EASA	Kenya
	EAMAC	Niger
GSI Operations Course (GSI OPS)	EAMAC	Niger
	ATNS	South Africa
	EASA	Kenya
GSI Personnel Licensing Course (GSI PEL)	EASA (2)	Kenya
	ATNS	South Africa

GSI COURSES SCHEDULED FOR 2016

GSI courses	Month	Training Center
GSI AIR	May	ATNS ATA
	September	ATNS ATA
	November	ERNAM
GSI OPS	January	ERNAM
	March	ATNS ATA
GSI PEL	May	ERNAM
	July	ATNS ATA

ICAO-QUALIFIED INSTRUCTORS

TPP Courses	Number of instructors
Training Developers Courses (TDC)	4
Training Instructors Courses (TIC)	4
Training Managers Course (TMC)	1
GSI Airworthiness Course (GSI AIR)	12
GSI Operations Course (GSI OPS)	7
GSI Personnel Licensing Course (GSI PEL)	3
Totals	31

CONSULTANCY ACTIVITIES IN THE AFI REGION

State	Project	Current Status
Mozambique	Technical support for the National School of Aeronautics (ENA) to become an ICAO TRAINAIR PLUS Member.	A technical support proposal were sent on first half 2015. Mozambique advised that they are working on the proposal
Democratic Republic of Congo	Capacity-building for the Civil Aviation Authority of the Democratic Republic of Congo (AAC-DRC)	Project Initiation Document was prepared and submitted.
Mauritius	Establishment of a training centre by the Airports of to becoming an ICAO TRAINAIR PLUS Member	An assessment mission was carried out by ICAO and a roadmap for the establishment of a training academy was proposed to AML.

- ✓ Members a… affordable
- ✓ Courses ca… ins…
- ✓ M…

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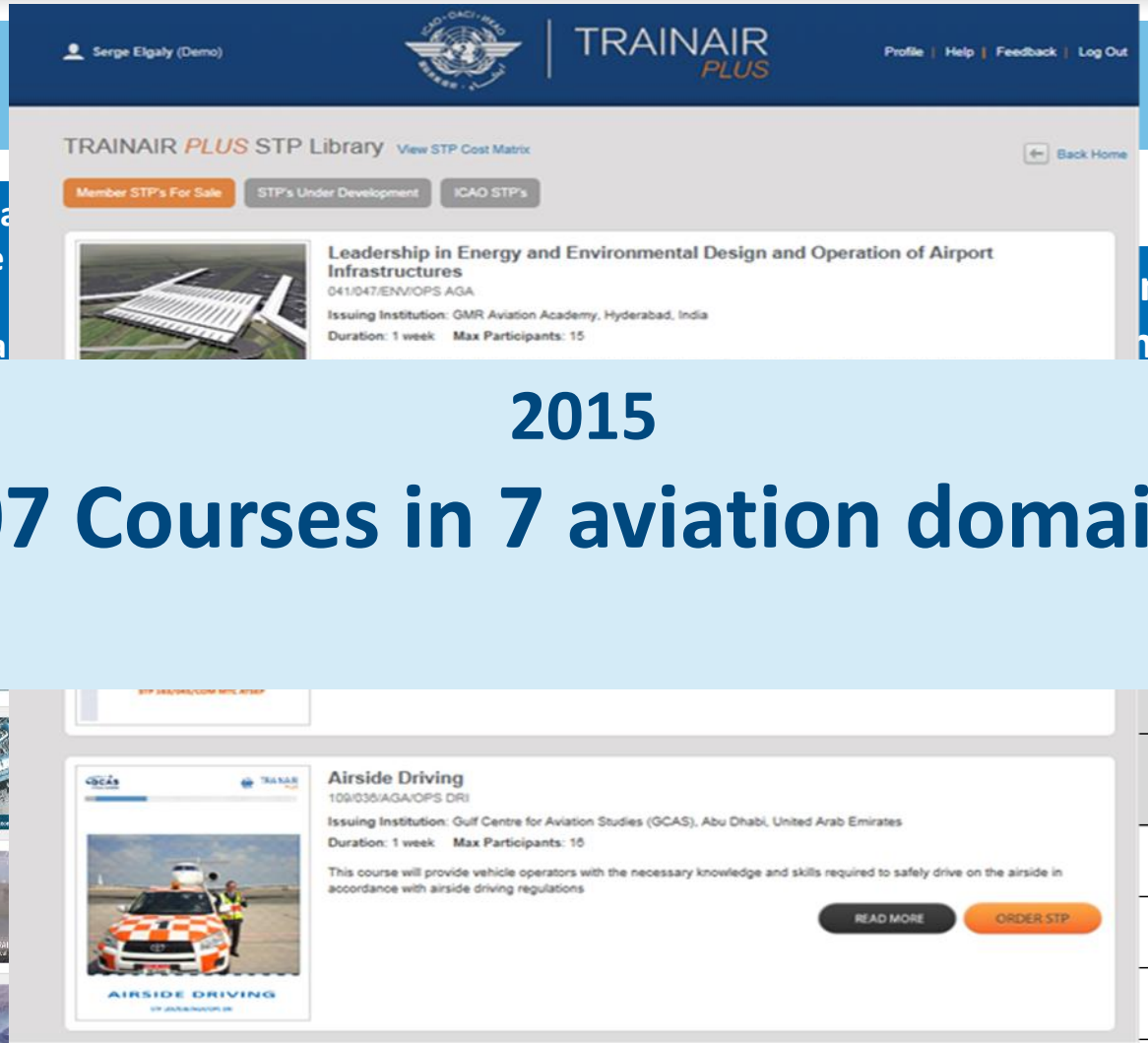
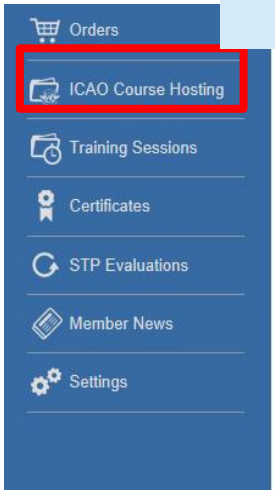
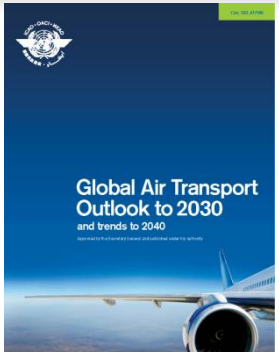


2015

107 Courses in 7 aviation domains



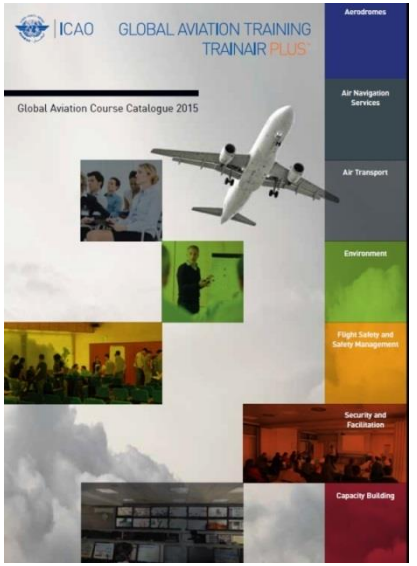
		Associate Members	
		Government (US$)	Private (US$)
		3,750	5,000
		4,375	5,500
		5,000	6,250
022/004/AIS MAP BAS	Dominican Republic | Govermental	4 + weeks	4,500	5,625	5,625	7,000



Training Policy supporting ICAO Programmes and SARPS

ICAO Training Portfolio, coming soon:

- Government Safety Inspector-OJT (FAA,USA)
- Personnel Licency (SAA Singapore)
- USOAP-On line (PEL-ORG update)
- Safety Management Training Programme (SMTP)
- Master Programme in Safety Management (ENAC, France)
- Safety Management System Practitioner (Senasa, Spain)
- Executive Certificatein Civil Aviation Management (Concordia)
- Remotely Piloted Aircraft System (RPAS)
- Aerodrome Compatibility (GCAS,UAE)
- Aviation System Block Upgrade-ASBUS



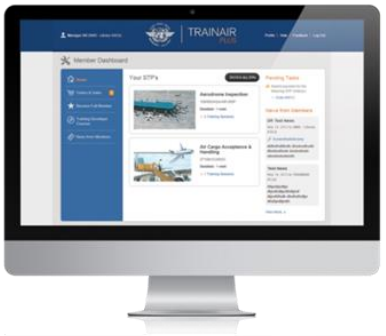
SMTP TRAINING PROGRAMME

Recommendations 10: Availability of the SMS and SSP courses.

EB prepared, launching the Safety Management Training Programme (SMTP) worldwide with effect from November 2015.

Training and Human Resources eTools

- Training Needs Assessment (TNA) Methodology and Application.
- Training Effectiveness Evaluation Methodology and Application.
- Qualification of Instructors and Roster.
- Electronic Management System for Training Development and Delivery.



- ICAO Course Developers and Instructors Standardization Workshop

(CD&I/SW)

EASA Kenya

September 2016

ICAO
ICAO HARMONIZED COURSES:
Powering Global Aviation Training
PTP
CTP
GAT TRAINAIR PLUS
STP
ITP
www.icao.int/training

ICAO Harmonized Training Packages

- ICAO Training Package (ITP)
- Standardized Training Package (STP)
- Compliant Training Package (CTP)
- Partnership Training Package (PTP)

Course implementation by membership matrix

Courses	Associate	Full	RTCE	Corporate	Affiliate
ITP (ICAO Training Package)	Develc / D / I			⊘ / ⊘ / ✓	⊘ / ⊘ / ✓
STP (Standardized Training Package)	Develc / D / I			⊘ / ⊘ / ✓	⊘ / ⊘ / ✓
CTP (Compliant Training Package)	Develc / D / I			✓ / ✓ / ✓	⊘ / ⊘ / ✓
PTP (Partnership Training Package)	Development / Delivery / Hosting	⊘ / ⊘ / ✓	⊘ / ⊘ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	⊘ / ⊘ / ✓

42 models for Training Cooperation Framework Agreement

Commitment to the implementation
Identification of highest priorities
Air Navigation, safety and security planning
State and regional needs
Cost recovery and financial sharing mechanism
Review and evaluation

THE WAY FORWARD

- Training Master Plan with a clear and monitored schedule
- Competency requirements for CAAs and industry
- Consistent training programmes for capacity building
- A TTT programme (sustainability)
- Evaluation of training outcomes
- Improve attraction and retention measures for all key staff including ASIs, managers and instructors

ICAO

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