



ICAO

GLOBAL AVIATION TRAINING

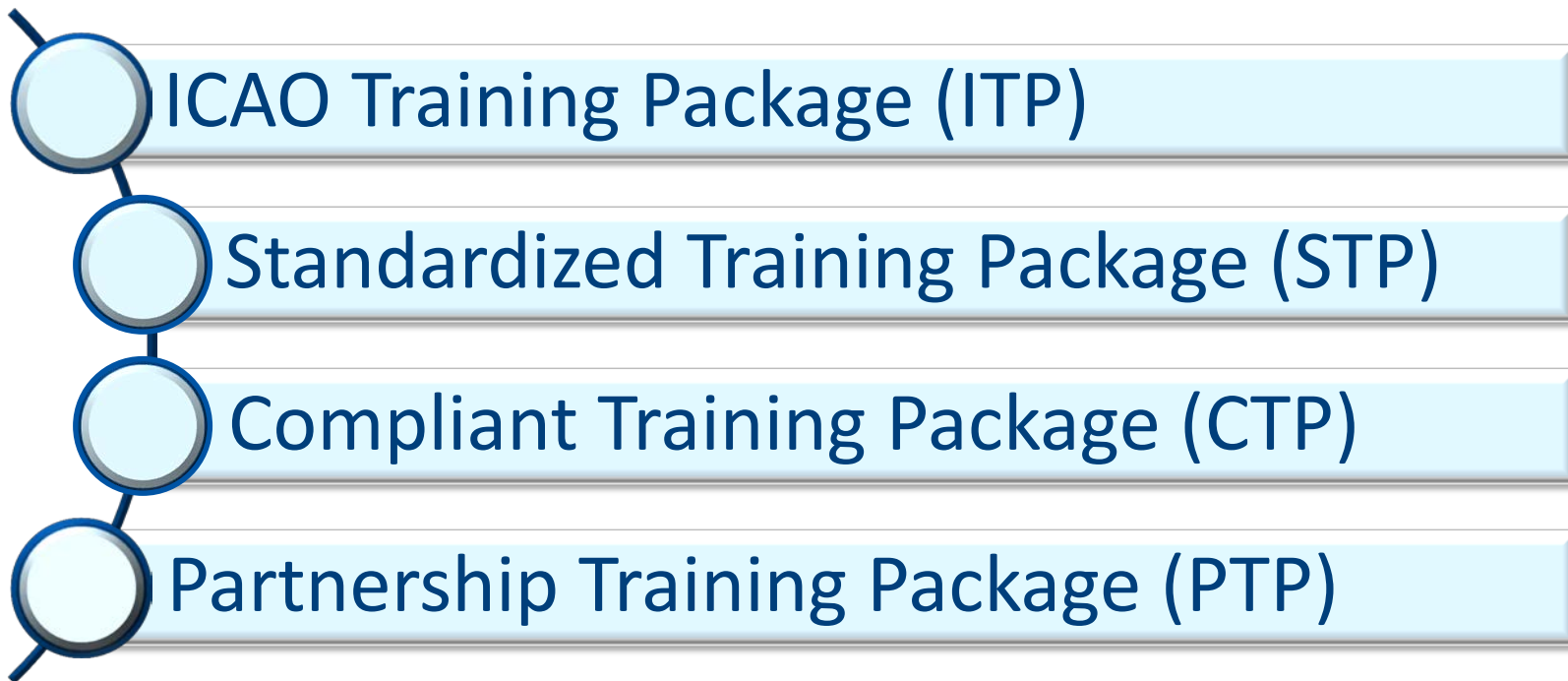
TRAINAIR PLUS™

Agenda Item 4: NAM/CAR Regional Civil Aviation Training Centre (CATC) Network

4.1 Standardization of Training Packages



ICAO-harmonized Training Packages

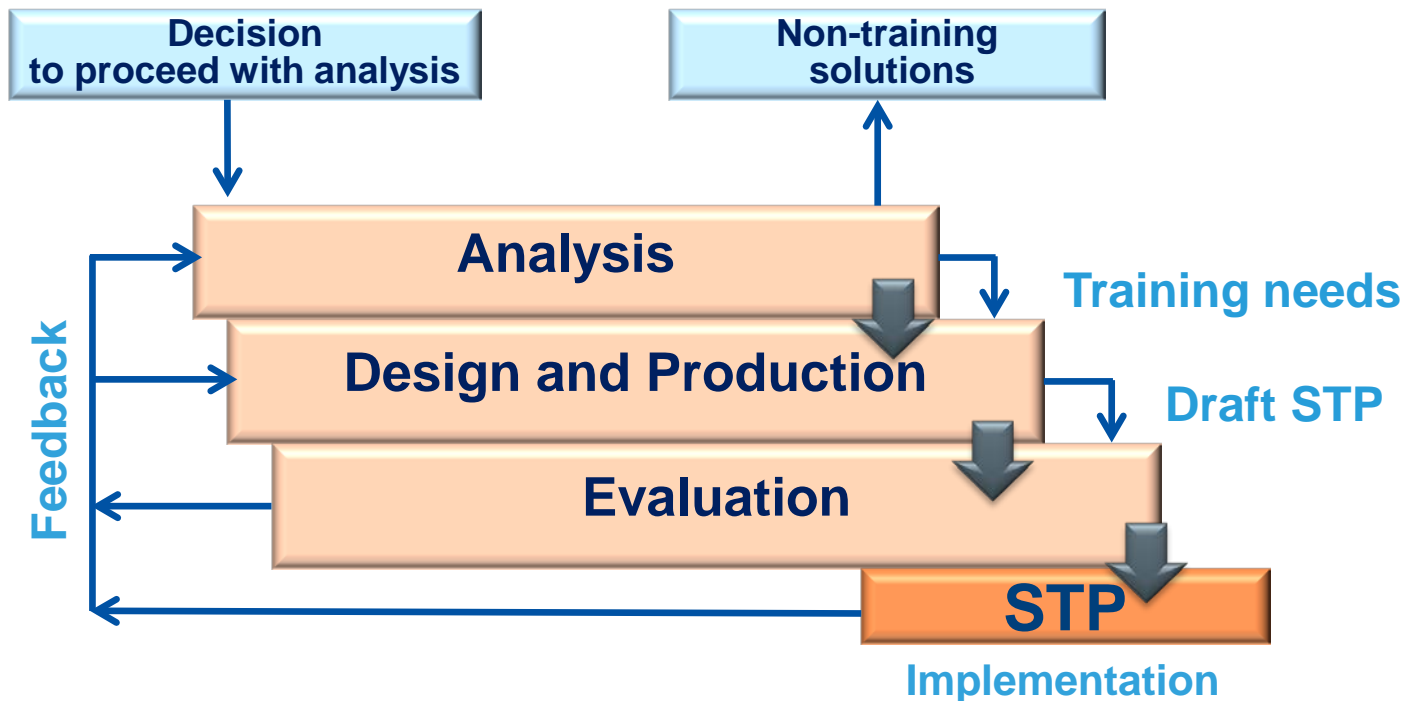


Training Development Guide



- ✈ ICAO Doc 9941
- ✈ Competency-based training methodology
- ✈ Design and Develop ICAO Harmonized Training Packages (ITP, PTP, STP, CTP)

Competency-based Methodology



STP Development

 [Back](#)

☐ **STP Info**

☐ Development
Schedule

☐ Expert/Validator
Selection

☐ TRAINAIR *PLUS*
Approval

☐ Stage 1: Analysis

☐ TRAINAIR *PLUS*
Approval

☐ Stage 2: Design &
Production

☐ Stage 3: Validation

☐ STP Content

☐ TRAINAIR *PLUS*
Approval

☐ Validator Evaluation
Questionnaire

STP Info




















Propose the development of a new Standardized Training Package (STP) for the ICAO TRAINAIR *PLUS* Electronic Management System – (TPEMS) library by entering the information below.

**Proposed Course
Title: ***

**ICAO Authorized
Area: ***

- ☐ Aerodromes (AGA)
- ☐ Air Navigation Services (ANS)
- ☐ Air Transport (ATR)
- ☐ Environment (ENV)
- ☐ Flight Safety and Safety Management (FSM)
- ☐ Security and Facilitation (ASF)
- ☐ Training Competency Development (TCD)

Reference Material:

B **I** **U** | Paragraph |                   



Jie Huang

Validator | Course Developer | Instructor |

Admin



TRAINAIR
PLUS

[Profile](#) | [Help](#) | [Feedback](#) | [Log Out](#)



Admin Dashboard



Home



Users



CATCs



Training Packages



Orders



Course Hosting
Requests



Training Sessions



Certificates



Training Evaluations



Job Catalog



Member News

Training Packages

Filter by Category

Filter by Status

Order by Seq. Nu








ICAO ITPs (18)

RTCE ITPs (11)

STPs (147)

CTPs (3)

PTPs (1)

Training Package	App. Questions	Material		
 Management Certificate in Civil Aviation PTP/001E Under Development	Manage (0)	Manage (0)		
 Leading Quality Instructional Systems Design ITP/CB/ISD/004E In TPEMS Library	Manage (0)	Manage (6)		
				

Developing ICAO-harmonized Training Packages

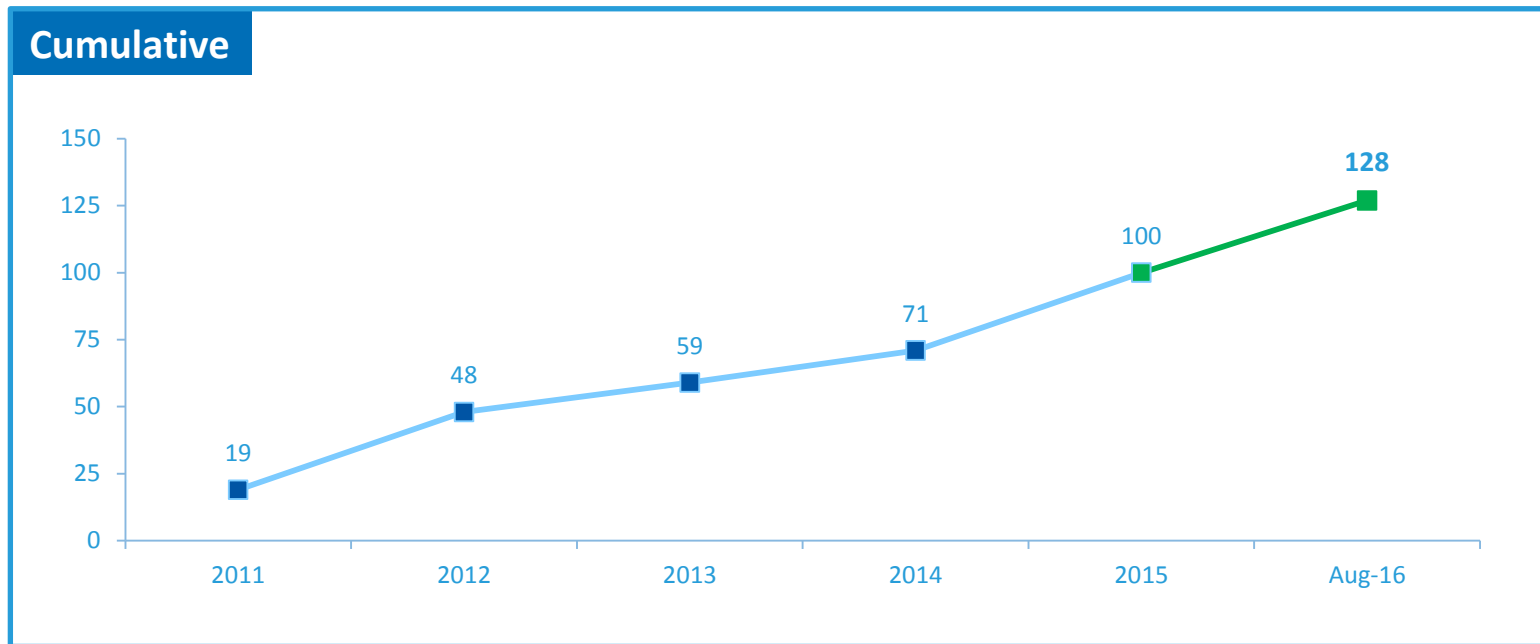
- Benefits

- ❑ **Standardizing** and **harmonizing** course development and course delivery;
- ❑ **Contributing** to the ICAO Training Portfolio;
- ❑ **Sharing** training packages with other TPP Members;
- ❑ **Generate revenues** from the sharing of their training packages.

Developing ICAO-harmonized Training Packages - Requirements

- ❑ Standardized (Competency-based/ICAO Doc 9941)
- ❑ Unique (no redundancy)
- ❑ Accessible (shared)

Course Development (# of courses)



Global Aviation Training Catalogue



Aerodromes

Air Navigation Services

Air Transport

Environment

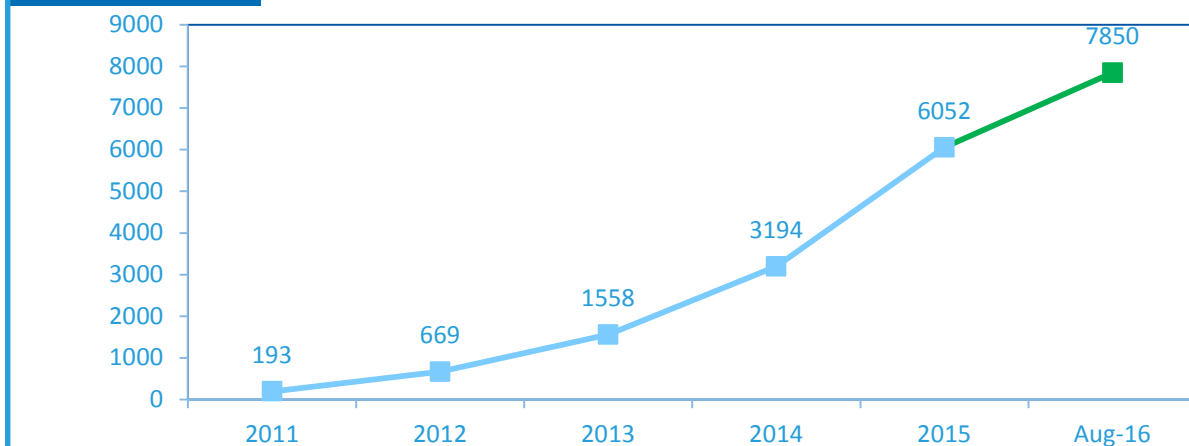
Flight Safety and Safety Management

Security and Facilitation

Capacity Building

Number of Trainees (2011 – September 2016)

Cumulative



ICAO-harmonized Training Packages (STPs)

□ Standardized Training Package (STP)

- ✈ An STP is a competency-based training package produced in accordance with the ICAO Training Development Guide, Competency-based Methodology (Doc 9941).
- ✈ Developed by TPP Full Members and RTCEs

STPs developed	92
STPs under development	53
STPs developed in North & Central America / Caribbean	17
STPs under development in North & Central America / Caribbean	9

STP Development and Delivery in the NAM/CAR Region

	Training Centre/State (8)	STP Title/ Category	# deliveries/ # trainees
1	Academia Superior de Ciencias Aeronáuticas (ASCA) / Dominican Republic	Curso Especialista en Cartografía Aeronáutica/AIS (Aeronautical Cartography Specialist Course AIS)/ Air Navigation Services	1 delivery 15 trainees
		Elaboración, Análisis e Interpretación de NOTAMs (Preparation, Analysis and Interpretation of NOTAMs)/ Air Navigation Services	1 delivery 15 trainees

STP Development and Delivery in the NAM/CAR Region

	Training Centre/State (8)	STP Title/ Category	# deliveries/ # trainees
2	Centro de Adiestramiento de la Aviación (CAA) / Cuba	Información y Cartografía Aeronáutica/ Air Navigation Services	1 delivery 20 trainees
		Curso Regulaciones de Aerodromo / Aerodromes	1 delivery 15 trainees
		Emergencia Aeronáutica, Evacuación y Supervivencia / Air Transport	1 delivery 15 trainees

STP Development and Delivery in the NAM/CAR Region

	Training Centre/State (8)	STP Title/ Category	# deliveries/ # trainees
3	Centro Internacional de Instrucción de Aeropuertos y Servicios Auxiliares (CIASA) - Ingeniero Roberto Kobeh González / Mexico	Manejo de Combustibles de Aviación / Aerodromes	68 deliveries / 1019 trainees
		Mantenimiento Electromecánico y de Ayudas Visuales en la Certificación de Aeródromos / Aerodromes	5 deliveries / 54 trainees
		Operaciones y Servicios Aeroportuarios y Complementarios en la Certificación de Aeródromos/ Aerodromes	6 deliveries / 38 trainees
		Coordinación y supervisión del proceso de manejo de combustibles de aviación/ Aerodromes	15 deliveries / 187 trainees
		Mitigación del riesgo por fauna en aeropuertos/ Environment	4 deliveries / 38 trainees
		Coordinación de las operaciones aeroportuarias / Aerodromes	1 deliveries / 11 trainees

STP Development and Delivery in the NAM/CAR Region

	Training Centre/State (8)	STP Title/ Category	# deliveries/ # trainees
4	Civil Aviation Authority Training Institute (CAATI) / Jamaica	Air Navigation Aids Technicians ATC Procedures Basic / Air Navigation Services	1 deliveries 14 trainees
		Flight Data Processing in ATC Surveillance Operations / Air Navigation Services	1 deliveries 16 trainees
5	Federal Aviation Administration (FAA) Academy / USA	Runway Incursion Prevention / Aerodromes	4 deliveries 100 trainees

STP Development and Delivery in the NAM/CAR Region

	Training Centre/State (8)	STP Title/ Category	# deliveries/ # trainees
6	Instituto Centroamericano de Capacitación Aeronáutica (ICCAE) de COCESNA / El Salvador	Inicial ATC Aeródromo / Air Navigation Services	6 deliveries / 42 trainees
7	The ASI Institute, a division of Aviation Strategies International/ Canada	Establishment of an Aerodrome Manual / Aerodromes	6 deliveries / 116 trainees
8	Trinidad and Tobago Civil Aviation Authority - Civil Aviation Training Centre	Threat and Error Management in Air Traffic Control / Air Navigation Services	1 delivery / 10 trainees
	TOTAL		120 Deliveries/ 1725 trainees

ICAO-harmonized Training Packages (ITPs)

❑ ICAO Training Package (ITP)

- ✈ An ITP is a training package produced by ICAO or a Regional Training Centre of Excellence (RTCE), in accordance with the ICAO Training Development Guide, Competency-based Methodology (Doc 9941) or an equivalent ISD methodology.

ITPs developed (by ICAO)	20
ITPs developed (by RTCEs)	3 11 (under development)

ITP Delivery in the NAM/CAR Region (2011- 2016)

	ITP Title	# of deliveries	# trainees
1	Curso de formación de Instructores (SP)	5	53
2	Curso de Gerentes de Centros de Instrucción (SP)	1	7
3	FIATA Dangerous Goods	18	322
4	GSI Personnel Licensing 18710	2	22
5	GSI Airworthiness 18701	4	53
6	GSI Operations 18700	4	48
7	Training Developers Course (EN)	16	200

ITP Development and Delivery in the NAM/CAR Region

	ITP Title	# of deliveries	# trainees
8	Training Developers Course (SP)	1	11
9	Training Instructors Course (EN)	6	67
10	Validating Competency-based Training Course	1	12
TOTAL		58	784

ICAO-harmonized Training Packages (CTPs)

❑ Compliant Training Package (CTP)

- ✈ A CTP is a training package that complies with ICAO Standards and Recommended Practices (SARPs) and guidance material whereby

CTPs developed	2
CTPs under development	2

CTP Development and Delivery in the NAM/CAR Region

	ITP Title	# of deliveries/ Location	# trainees
1	Safety Management for Practitioners (SMxP)	1/ Mexico City	25

ICAO-harmonized Training Packages (CTPs)

□ Partner Training Package (PTP)

- A PTP is training material produced in partnership between ICAO and the training arm of a Corporate Member, industry partner, or educational institution, in accordance with the ICAO Training Development Guide, Competency-based Methodology (Doc 9941).

PTPs developed	1
PTPs under development	1



ICAO

GLOBAL AVIATION TRAINING

TRAINAIR PLUS™

Agenda Item 4: NAM/CAR Regional Civil Aviation Training Centre (CATC) Network

4.2 Instructor Qualification in the NAM/CAR Region



Instructor Qualification Process



- ❑ **Objective:** Establish criteria for the selection, evaluation and continuous monitoring of ICAO-qualified instructors for the delivery of ICAO training courses including courses developed by:
 - ➔ ICAO and administered by ICAO;
 - ➔ ICAO and administered by a third party;
 - ➔ a third party and administered by ICAO; or
 - ➔ a third party in partnership with ICAO.

Instructor Qualification BENEFITS



- ❑ Standardized and consistent methodology
- ❑ Development of a roster of instructor per course
- ❑ Maintaining an oversight on currency of instructors

Instructor Qualification Process

❑ Application Process

- ✈ Complete an online Application (providing evidence for pre-requisites)
- ✈ Successful completion of ICAO course the applicant wishes to become qualified to instruct
- ✈ Successful completion of ICAO TIC Course or any equivalent Instructional Techniques course, that leads to the achievement of the performance criteria contained in the ICAO Instructor Competency Framework.
- ✈ On the Job Training

❑ Selection Criteria

- ✈ Professional experience and knowledge
- ✈ Specific qualifications for each field of instruction
- ✈ Language and competencies



Instructor Qualification Process

- ❑ Review of Application
 - ✈ Applications will be reviewed by the GAT Office
 - ✈ Applicant's technical background review by the Instructor Evaluation Team (IET)
- ❑ Instructor Training (Two Phases)
 - ✈ • Instructor Preparation and Briefing (IPB); and
 - ✈ • On-the-job training (OJT).
- ❑ Final decision and qualification
- ❑ Validity of ICAO instructor qualification



Instructor Qualification Process

- ❑ Qualified Instructors from the NACC Region (14)
 - ➔ Training Developers Course (TDC):8
 - ➔ Training Instructors Course (TIC):4
 - ➔ Safety Management for Practicioners (SMxP): 2





ICAO

GLOBAL AVIATION TRAINING

TRAINAIR PLUS™

Mekki Lahlou (International Civil Aviation Organization)
Admin | Manager

TRAINAIR PLUS

Profile | Help | Feedback | Log Out

Training Developers Course (TDC) [Back Home](#)

Course Info

Training Sessions

Participants

Coaches

Certificates

Evaluations

Search Instructor Roster

Search for ICAO TRAINAIR PLUS qualified instructors to request their service. You can filter by Location, Languages or Subject of expertise or leave them empty to see the complete pool of instructors.

Location

Language

Subject Matter

AnyAnyAny

SEARCH

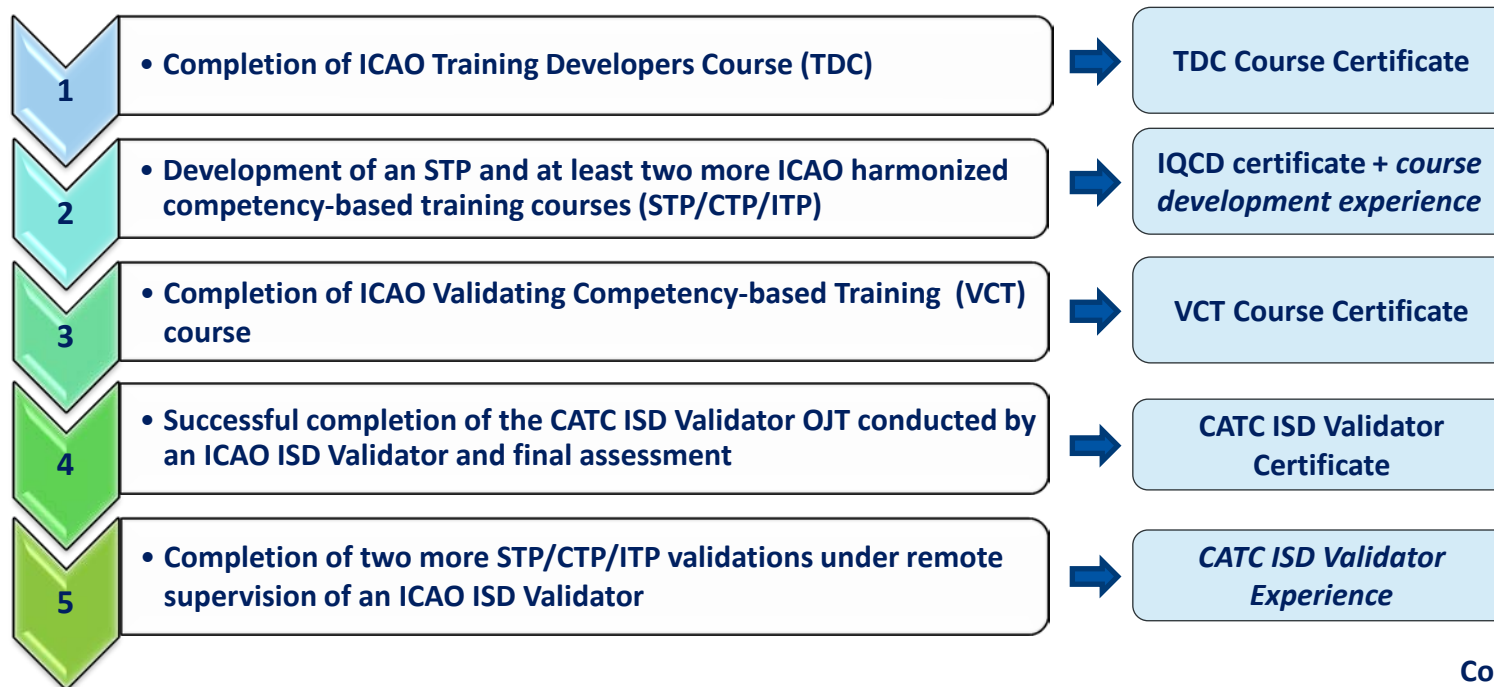
Name	Languages	Subjects	
Hussam Eldin Yassen Abandeh abanda_ha@yahoo.com Amman, Jordan	Arabic, English		Request Service
Abdel-Qader Abu-Salim aabusalim@gcas.ae Abu Dhabi, United Arab Emirates	Arabic, English	Aviation and Airport subjects	Request Service
Rocio Andrade rocioandradercar@hotmail.com Quito, Ecuador	Spanish		Request Service
Jacques Onana Belinga BELINGAONANAJac@asecna.org Niamey, Niger	English, French	1-Lutte contre les feux mineurs d'avion 2- Gestion du trafic aérien sur un aéroport AFIS	Request Service

Instructor: *
[Add from roster](#)

Participant fee you have chosen to charge: *
\$ USD

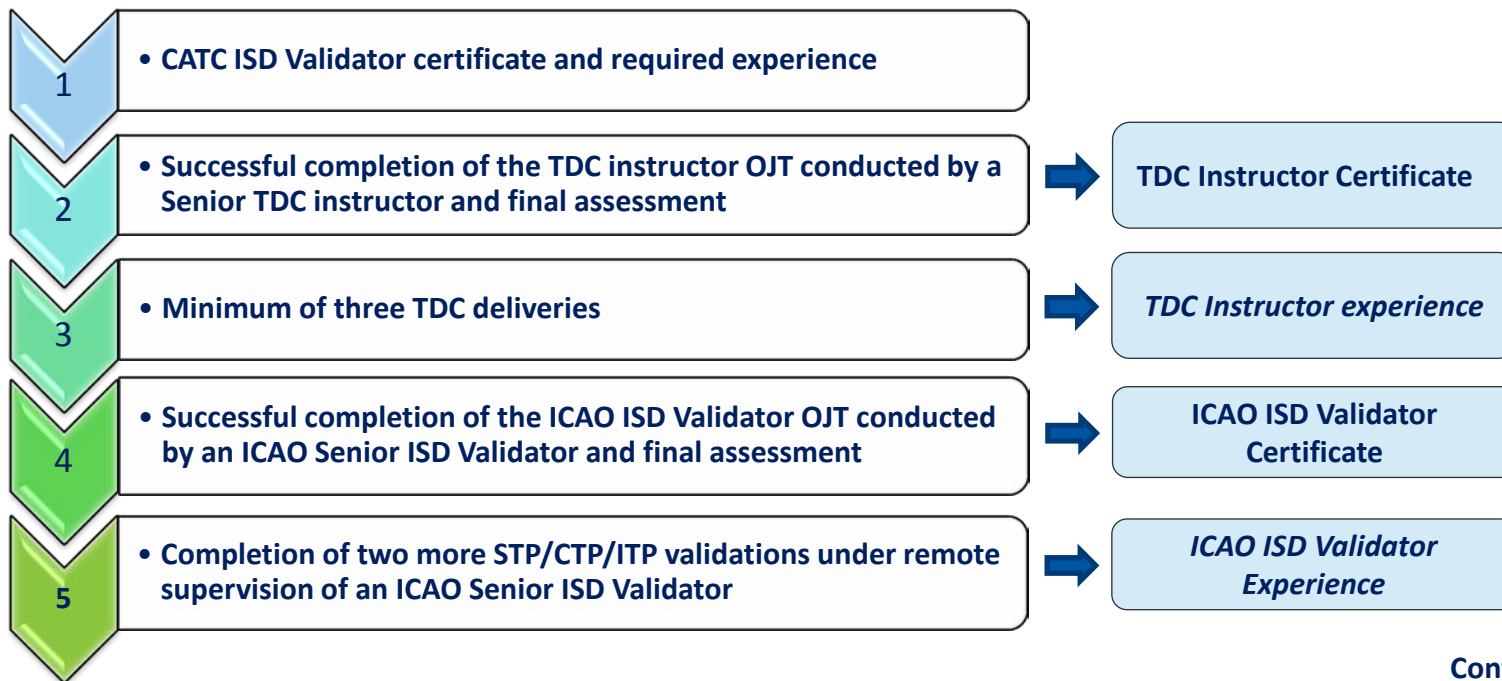
Total ICAO Administrative Fees: \$7500
\$500.00 per participant

Qualification Process for CATC ISD Validator

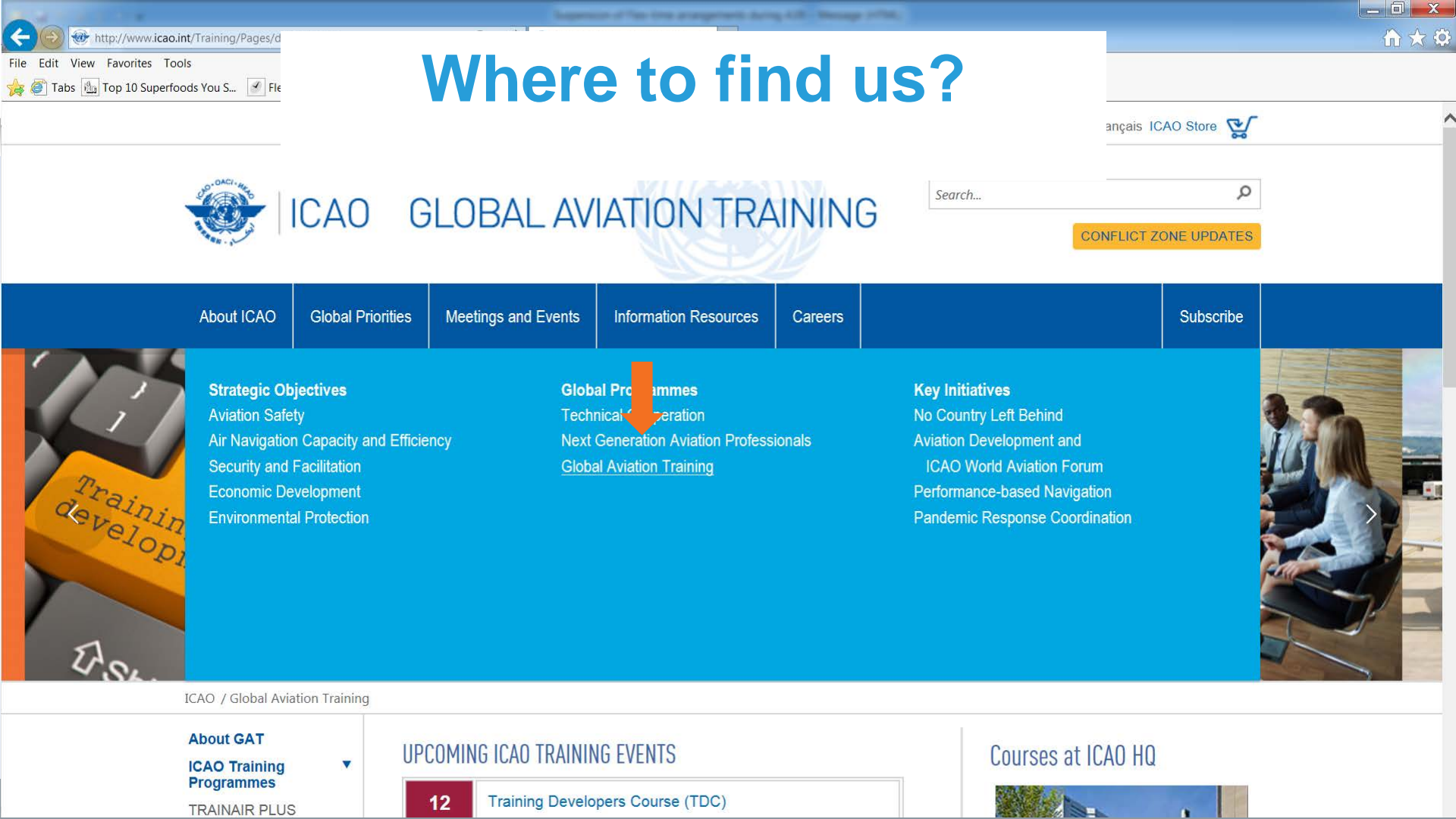


Continuous monitoring
and evaluation

Qualification Process for ICAO ISD Validator



Continuous monitoring
and evaluation



Where to find us?



ICAO GLOBAL AVIATION TRAINING

Search...

CONFLICT ZONE UPDATES

About ICAO

Global Priorities

Meetings and Events

Information Resources

Careers

Subscribe

Strategic Objectives

Aviation Safety
Air Navigation Capacity and Efficiency
Security and Facilitation
Economic Development
Environmental Protection

Global Programmes

Technical Cooperation
Next Generation Aviation Professionals
Global Aviation Training

Key Initiatives

No Country Left Behind
Aviation Development and
ICAO World Aviation Forum
Performance-based Navigation
Pandemic Response Coordination

ICAO / Global Aviation Training

About GAT

ICAO Training
Programmes

TRAINAIR PLUS

UPCOMING ICAO TRAINING EVENTS

12

Training Developers Course (TDC)

Courses at ICAO HQ



Questions?

