



| ICAO

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

## Capacity Development & Implementation Bureau

**Herve Touron**  
Regional Officer APAC  
Implementation Support and Training  
[htouron@icao.int](mailto:htouron@icao.int)



# ICAO's Pillars

ICAO Provides an end-to-end approach, from developing SARPs to supporting States in its implementation.

## 01. Standards Development

Development of Standards and Recommended Practices (SARPs) to achieve the sustainable and orderly growth of the global civil aviation system.



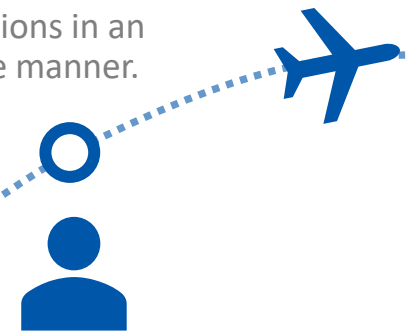
## 02. SARPs Compliance (through audits)

Conducting audits by monitoring compliance with ICAO SARPs (USOAP / USAP)



## 03. Capacity Development and Implementation (CDI)

Providing support to Member States in implementing ICAO provisions in an efficient and cost-effective manner.



# Capacity Development and Implementation

Products and Services provided by ICAO Capacity Development & Implementation (CDI) Bureau:

## PROJECTS



- Large or small Scale (\$20K to \$100M+)
- Identified scope, focused on deliverables

## PROVISION OF EXPERTISE



- Operational Assistance (OPAS)
- National Experts

## TRAINING

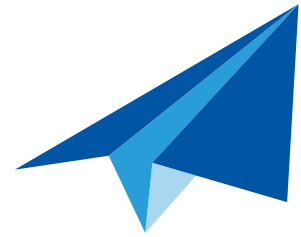


- TRAINAIR PLUS
- Fellowships/ Dev. Country Training Prg.
- IPacks

## PROCUREMENT



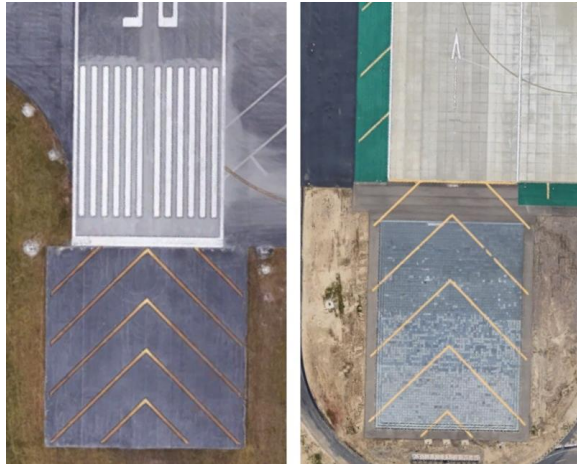
- Technical Specifications
- International Tendering
- Long Term Agreements



# Projects



# Examples of Activities in the APAC Region



Evaluation Study for the use of Engineered Material Arresting Systems at Airports (India)



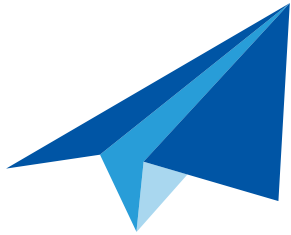
Provision of X-Band Weather Radars for Pacific Small Islands Developing States (in coordination with UNEP)



Provision of Aeronautical Charts (Philippines)



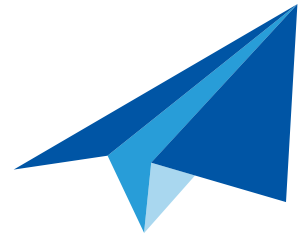
Study and recommendations on BKK airport expansion plans, capacity, hub operations and support of the ORAT activities from Don Mueang to Suvarnabhumi (Thailand)



# Provision of Expertise

- **Operational Assistance Programme (OPAS)**
  - **Expert Deployment:** ICAO recruits experts for temporary assignments (short to long term) to assist governments in civil aviation matters.
  - **Direct Support:** OPAS personnel work directly for the national aviation authority in an operational capacity, not just as advisors.
  - **Capacity Building:** Experts transfer knowledge, provide on-the-job training, and help implement ICAO Standards and Recommended Practices (SARPs).
  - **Focus Areas:** Examples include Fatigue Risk Management Systems (FRMS), Safety Management Systems (SMS), Air Navigation Services, Regulatory Oversight...

Highly skilled, international aviation professional temporarily embedded within a State's civil aviation authority to boost its operational and safety capabilities



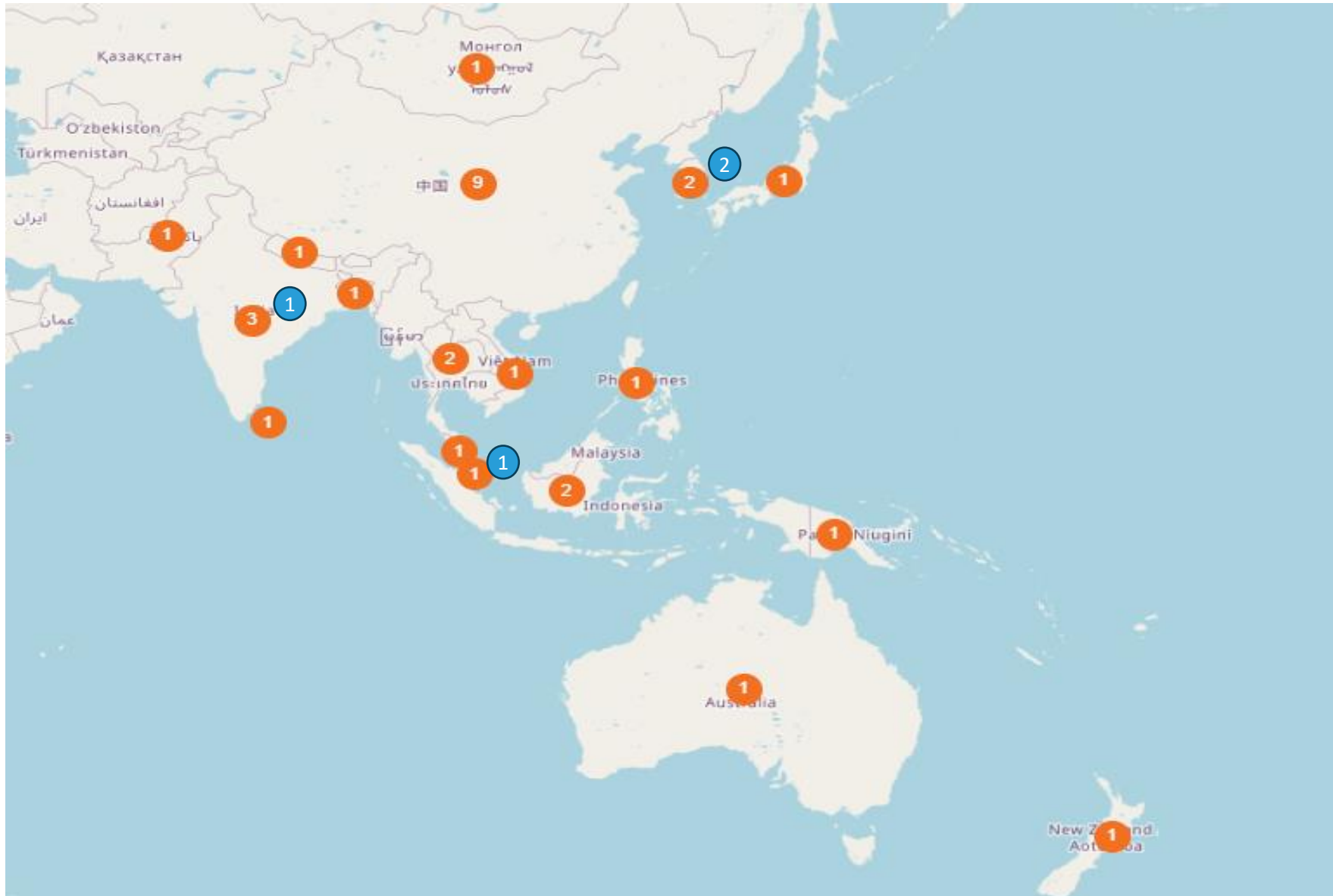
# Training



# TRAINAIR PLUS Programme

- **Early 1980s to support States to implement Competency-Based Training (40+ years old)**
  - **Name is:**
    - **Course development methodology**
    - **Global network of training organizations recognized by ICAO and engaged in training activities with ICAO**
  - **Benefits:**
    - **ICAO recognition and global visibility**
    - **Access to the portfolio of ICAO courses for delivery**
    - **Guidance on the implementation of competency-based training through the training of a Course Development Unit**
  - **Members are mainly training arms of Civil Aviation Authorities, Airports and Airport authorities, Air Navigation Services Provider(s), Airlines, MROs...**
  - **146 TRAINAIR PLUS Members and Partners worldwide**
- 

# 35 TPP Members and Partners in APAC



# 1- Training Assessments: Enhancing Capacities of Training Organizations



*Providing best practices for training organizations*

Mekki Lahlou  
Admin | Manager

ICAO - OACI - ICAO  
EGYPTIAN AVIATION ACADEMY EAA

TRAINAIR PLUS

Profile | Help | Feedback | Log Out

CATC Assessment EGYPTIAN AVIATION ACADEMY EAA

View Activity Log

Back Home

Self Assessment

SUMMARY VIEW

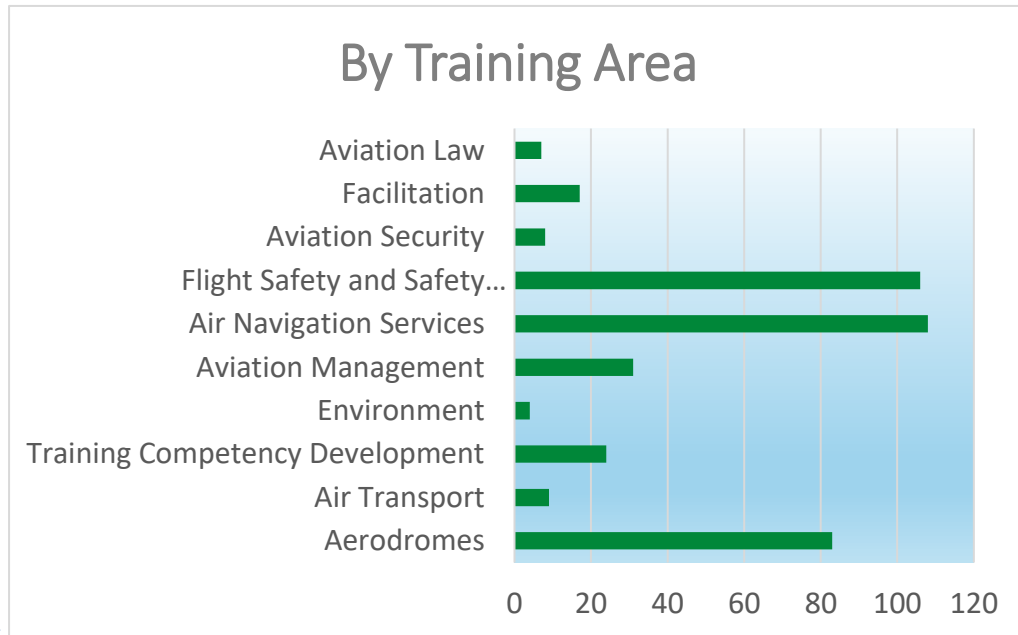
The Training Center submitted the self-assessment questionnaire on 11 Nov 2014.

1. Organization

Next »

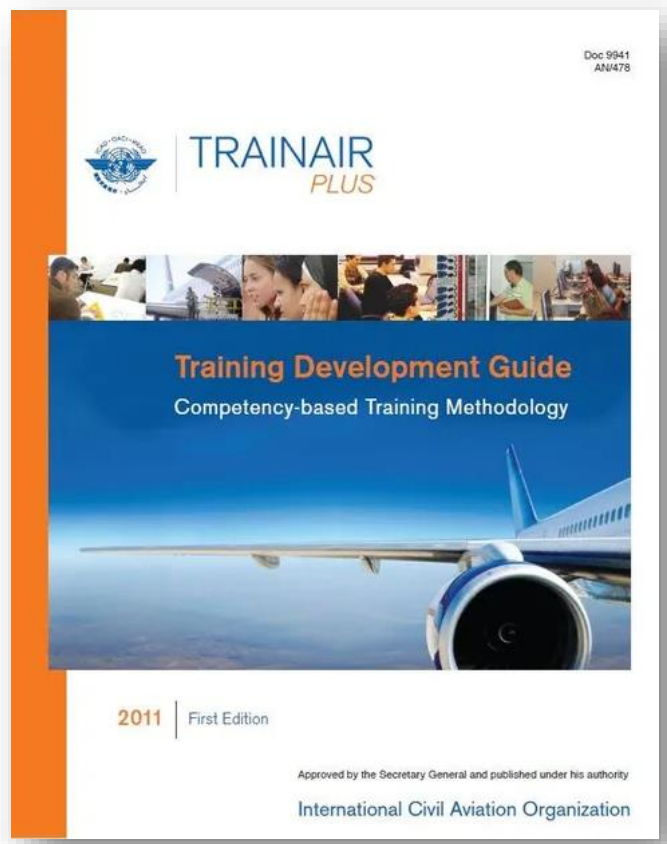
1.1	Does the training organization have the required authorization(s) to operate from the government?	<p>Yes</p> <p>Attached the approval document by the ECAA (government). EAA's presentation. NCATO was transferred into EAA in may 2009 through the presidential decree 140-2009 (Arabic copy is attached) EAA colleges are recognized by ICAO as RTC and COE (attached) EAA's presentation is attached.</p> <ul style="list-style-type: none"><li>ATCC_Aproval.pdf</li><li>MFC - Approval Certificate.pdf</li><li>presidential decree 140-2009.pdf</li><li>ICAO_Recognition.pdf</li><li>EAA DEMO FOR TRAINAIRPLUS.pdf</li></ul>
-----	---	--

# 2- ICAO Training Catalogue



- ✓ Continuous portfolio expansion through the TRAINAIR PLUS Programme (TPP) Network of Members
- ✓ Available portfolio of over **450+ training packages** catering to the needs of civil aviation training worldwide
- ✓ Covering **10 strategic training areas**, and all **ICAO languages** supporting the implementation of ICAO SARPs.
- ✓ ICAO training calendar with more than **700 sessions delivered every year.**
- ✓ Multiple formats: instructor led both **in-person** and **virtual** deliveries, self-paced **online** delivery.

# 3- Training Methodology ICAO Document 9941 TDG

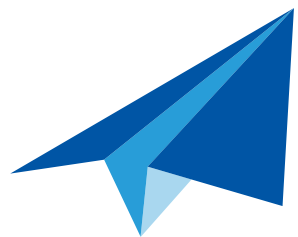


- ❖ Instructional Designers (Course Developers) work with
- ❖ Subject Matter Experts to identify and develop course outcomes:
- ✓ Course Materials
- ✓ Expected Performance
- ✓ Evaluation Mechanisms



# Training activities outside of TRAINAIR PLUS

- **On-demand delivery** of ICAO courses (<https://igat.icao.int/ated/TrainingCatalogue>)
- **IPacks:** bundling of course, tools, guidance material and professional expertise in a wide variety of areas
- **Fellowships** (providers and recipients) / Developing Countries Training Programme (DCTP)
- **University** programmes and degrees



# Procurement

## Procurement Scope:

- Identification of the **needs** (through CDI Project)
- Definition of the **specifications**
- **Tendering** documents
- **Bidding** process
- Selection of winning proposal and **contract award**
- Management of **Equipment delivery and installation** with associated services (i.e. training...)

---

# Thank You

