



Exploring ICAO Technical Cooperation Collaboration

MIDANPIRG/19 & RASG-MID/9 Meetings

14 - 17 February 2022

Riyadh, Kingdom of Saudi Arabia

ICAO's Technical Cooperation Bureau: *Your go-to partner to achieve compliance with ICAO SARPs*

Capabilities – *supporting States on SARPs Compliance and COVID-19 Recovery*

Project Management

- Preparation of project documents/business cases
- Project monitoring and backstopping
- Quality Assurance Process (legal, financial, technical)
- ICAO Implementation Packages (iPacks)

Aviation Training

- TRAINAIR PLUS Programme
- 300+ Virtual/Online and Classroom trainings
- Establishment & enhancements of Training Centres

CREATION OF LOCAL CAPACITY

Provision of Expertise

- Selection and Recruitment of ICAO International Experts (SME as Consultants, OPAS, Fix Term)
- Administration of National Personnel

Procurement

- Procurement of goods and/or services
- Development of Technical Specifications & Evaluation Criteria
- International Tendering Process
- Evaluations of bids
- Contractual negotiation

ICAO Technical Cooperation Services Areas

ICAO Technical Cooperation Activities cover 8 SME areas:

Organizational Assistance to
Civil Aviation Authority

Airports and Aerodromes

Safety Oversight

Air Transport & Economic Planning

Aviation Security

Environment

Air Navigation Capacity
& Efficiency

Traveller Identification Programme
(e-Passport and Process re-engineering)

Organizational Assistance to Civil Aviation Authorities

- Legislative Assistance
- Review Primary Legislation
- Review Regulations
- Administrative Review
- Review of Organizational Structure

Services offered by TCB

- Development of Organizational Manuals
- Organizational Transition
- Drafting Training Plans
- Training
- Provision of Competency-Based Training (CBT)

Safety Oversight

- **Audit Related Assistance**

- Preparation for ICAO Audit
- Post Audit / Corrective Action Plan implementation
- Implementation of SARPs

- **Implementation of Global Aviation Safety Plan (GASP)**

- **SSP Implementation & SMS Oversight**

- **Ongoing Assistance in All Audit Areas**

- Procedures
- Checklists
- Manuals
- OJT
- Standard Training

Services offered by TCB

Air Navigation Capacity and Efficiency

• Planning

- Airspace Design
- Procedures Design
- PBN Implementation
- National Air Navigation Plans

• Separation of Air Navigation Service Providers

• Provision of Equipment

- Communications Systems (AFTN, CPDLC, ATIS, HF/VHF/UHF Radio)
- Navigation Systems (ILS, DME, VOR, RNAV and RNP Approaches)
- Surveillance Equipment (Primary and Secondary Radars, Surface Movement Radars, Multilateration Systems)
- AIS and Aeronautical Information Exchange Model (AIXM)
- Meteorological Systems
- Remote Towers
- Simulators
- Air Traffic Control Training

Services offered by TCB

Traveller Identification Programme (TRIP)

Project Management

01

- Development implementation and monitoring of project documents/business cases for integrated projects related to e-Passport
- Consultancy services:
 - ✓ Diagnostic
 - ✓ Gap analysis with regards ICAO SARP related to TRIP/MRTD
 - ✓ Passport Management Process re-engineering

Provision of Expertise

02

- Recruitment of international experts with recognized experience and updated in ICAO requirements:
- Identifying e-Passport systems user requirements
- Development of Technical Specifications and evaluation criteria
- Masters in passport process and re-engineering

Procurement

03

- Procurement of goods and/or services
- Development of Technical Specifications & Evaluation Criteria
- International Tendering Process related to e-Passport Systems
- Evaluations of bids
- Contractual negotiation with potential suppliers

TRIP Training

04

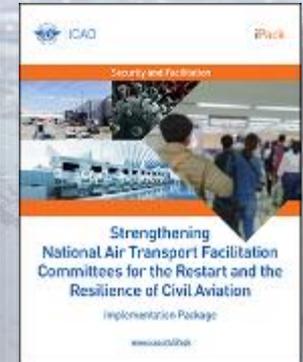
- Ad-hoc training on TRIP/MRTD tailor made to State needs
- Virtual/ Online and Classroom trainings

**Services
offered by
TCB**

ICAO Implementation Packages (iPacks)

- Established in 2020 to support COVID-19 recovery efforts
- An Implementation Package (iPack) is a bundle of implementation support composed of the relevant:
 - ➔ Subject matter expertise
 - ➔ Guidance material
 - ➔ Standardized training
 - ➔ Tools (including data-driven applications)
 - ➔ Procurement Guidance (when applicable)

Duration: Short intervention (3 to 6 months)



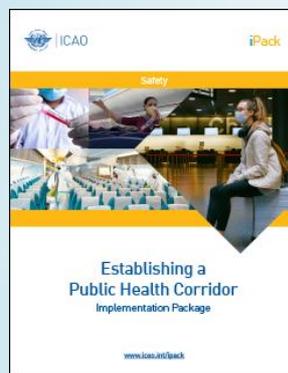
Safety and Air Navigation related iPacks



Aviation Safety Risk Management related to COVID-19 for CAAs



Aerodrome Restart



Establishing a Public Health Corridor



Preparing for a USOAP audit



Developing a National Aviation Safety Plan

Safety and Air Navigation related iPacks under development



Establishing/
Maintaining a
Cargo Safety
Programme



Improving
the Quality of
NOTAMs

Current & Past ICAO Projects

Activity

SME Technical Assistance through:

- ICAO International Consultants
- ICAO Operational Assistance (OPAS) Experts

Airports and Air Traffic Control centers Design

Airspace and Flight Procedure Design

Safety Management System (SMS):

- Gap Analysis
- Design, development & implementation

Assistance in Procurement of Aviation equipment and services:

- Air Navigation systems Gap Analysis
- Purchase of Air Navigation Service equipment

Implementation of **Developing Countries Training Programme (DCTP)** and Fellowship

Emerging Needs in 2022

Activity

- ✓ Technical Assistance through ICAO International Expert (OPAS and Non-OPAS) experts
- ✓ Training / Capacity Building projects (USOAP and Government Safety Inspector AIR, PEL, AC, OPS)
- ✓ Airspace Restructuring
- ✓ Unmanned Aircraft System
- ✓ SSP Implementation (design, development & implementation)
- ✓ TRIP / E-Passport (design, development & implementation)



ICAO Global Aviation Training (GAT) Catalogue

Over 350 training packages to support **SARPs compliance** and **COVID-19 Recovery**

www.icao.int/training



Training Areas

Aerodromes	Air Navigation Services	Air Transport
Aviation Law	Aviation Management	Environment
Flight Safety and Safety Management	Security and Facilitation	Training Competency Development

TRAINAIR PLUS PROGRAMME MEMBERS



TRAINAIR Plus Programme

- 15 members
- Based in Egypt (3), Jordan (1), Kuwait (1), Lebanon (1), Oman (3), Qatar (1), Saudi Arabia (2), United Arab Emirates (3)
- 1 Corporate Partner in UAE
- 3 ASTC (Aviation Security Training Center) in Egypt, Jordan and Saudi Arabia



Training activities statistics in the MID region

Training Sessions in 2021

58 sessions realized

Total of 727 participants

79 women beneficiaries from the
ICAO gender initiative

Main Areas covered

Air Navigation Services

Aerodrome

Facilitation

Training Competency Development

Focus On

Universal Safety Oversight Audit Programme (USOAP) courses



CMA Phase 1

Continuous Monitoring Approach



CMA Phase 2

Personnel Licensing and Training (PEL)



CMA Phase 2

Aerodromes and Ground Aids (AGA)



CMA Phase 2

Aircraft Operations including Dangerous Goods (OPS)



CMA Phase 2

Airworthiness of Aircraft (AIR)



Auditor Preparation

Focus On

Government Safety Inspectors courses



**Personnel
Licensing
(GSI PEL)**



**Airworthiness
Air Operator and
Approved
Maintenance
Organization
Certification
(GSI AIR)**



**Operations
Air Cargo
Certification
(GSI AC)**



**Operations
Air Operator
Certification
(GSI OPS)**



Working with ICAO

- Contact tcb@icao.int and schedule a meeting with TCB
- Send your form on iPack webpage for iPack information
- New TCB website available soon with Technical Cooperation information forms

Information form

Strategic Objective:

Cooperation and Assistance:

Region:

Name Here

Organization Here

Email Address Here

Submit

Name *

First Name Last Name

Business Email Address *

example@example.com (an email address that uses your company domain name)

Job Title *

Company / Organization Name *

Business Phone Number

Country/Territory

iPacks you are interested in: *

Aerodrome Restart

Aviation Safety Risk Management

COVID-19 Aviation Security Quality Control Oversight

Developing a National Aviation Safety Plan (NASP) (coming soon)

Establishing and Maintaining a Cargo Safety Programme (coming soon)

Establishing a Public Health Corridor

Establishing a Regulatory Framework for Unmanned Aircraft Systems (UAS) (coming soon)

Implementing a Visible Digital Seal for Non-Constrained Environments (VDS-NC) for Travel-Related Health Proofs (coming soon)

Improving the Quality of NOTAM for safe Flight Operations

Strengthening National Air Transport Facilitation Committees

Reason for interest in iPack?

Submit Form



THANK YOU

Be free to contact Ms. Rasha Haidar & Mr Ignacio Iglesia during these days

For more information: www.icao.int/tcb or tcb@icao.int