



| ICAO TECHNICAL COOPERATION

**SIXTH MEETING OF THE DIRECTORS GENERAL OF AFRICA-INDIAN OCEAN REGION
(AFI DGCA/6)**

Brazzaville, Congo (2 – 4 November, 2016)

Technical Cooperation Bureau

Your Global Implementation Partner (WP/8)





Table of Contents

- Why TCB
- TCB Services
- Types of Projects
- TCB by the Numbers
- TCB FAQs
- TCB Advantages





Why TCB

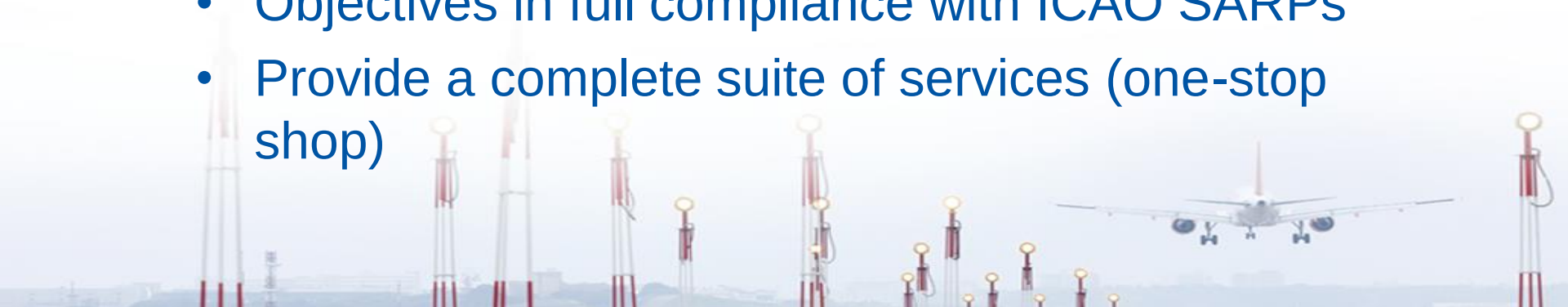
- Provides assistance across the full spectrum of civil aviation
- Over 60 years of experience implementing aviation related projects
- Full-range of project structures offering maximum flexibility





Why TCB (con't)

- TCB operates at cost-recovery only
- Experience and economies of scale ensure price competitiveness
- Objectives in full compliance with ICAO SARPs
- Provide a complete suite of services (one-stop shop)





TCB services

- Recruitment of international experts
- Administration of National Personnel
- Procurement of goods and services
- Training
 - Fellowships
 - In-country training
 - Seminars/work shops





TCB services





TCB services (con't)

- Recruitment of international experts
 - Advisors
 - OPAS experts
- Advisors for short-term or long-term:
 - Review/draft documents
 - Review/develop action plans
 - Any assistance
- OPAS for short-term or long-term:
 - Certification/surveillance functions (OPS, AIR, PEL, ANS, AGA)



TCB services (con't)

- Administration of National Personnel
 - National professionals
 - Support staff
- Salaries based on UN scale
 - Competitive > mitigate flight risk
 - Transparent
 - Consistent
- Good solution for organizational restructuring



TCB services (con't)

- Procurement of goods and services
 - Full turn-key service
 - ISO9001 certified process
 - Adherence to UN Procurement rules and ICAO Procurement Code
 - Economies of scale
 - Reduced risk for project implementation
 - Ensure SARP's compliance



TCB services (con't)

- Procurement Services offered:
 - Definition of needs
 - Preparation of technical specifications/SOWs
 - Launch of international tenders
 - Site visits/bidders' conference
 - Evaluation of bids/proposals
 - Contract negotiation with selected supplier
 - Contract management (invoicing, payments, bank guarantees, performance bonds, warranty, etc.)
 - Implementation monitoring (SDD, FAT, PSAT, FSAT, spares, etc.)



TCB services (con't)

- Examples of equipment TCB can procure
 - Nav aids
 - Boarding bridges
 - BHS
 - Security/screening equipment
 - ACC/ATC/TMZ equipment
 - MRTD systems
 - Simulators



TCB services (con't)

- Examples of services TCB can procure
 - Feasibility studies
 - CAMPs
 - Aerodrome Master Plans
 - Civil works and project management oversight



TCB services (con't)

- Training through fellowships
 - International
 - Local
 - Individual
 - Group
- In-country training
 - On-the-Job training
 - Seminars/work shops
- Training by equipment suppliers

Types of projects

ICAO Strategic Objectives

TCB has projects supporting
ALL of ICAO
Strategic Objectives!



Safety

Eco. Dev.

AVSEC/FAL

Env.

Cap. & Eff.



Types of projects

- Address deficiencies identified in ICAO audits
- Help prepare for ICVMs or audits
- Implement Global & Regional air navigation plans & ASBUs
- Restructuring of CAAs, AIGs, ANSPs etc.



Types of projects (con't)

- Enhance aviation security & facilitation in airports
- Develop economic policies for air transport
- OPAS experts to undertake inspection/certification/surveillance
- Conduct studies (e.g. aeronautical, feasibility, environmental, impact, etc.)

Types of projects (con't)

- Infrastructure development
 - Air navigation equipment (e.g. radars, ILS, ADS-B, VOR, etc.)
 - Aerodrome (e.g. runway, apron, terminal, ATC, land side)



TCB by the numbers – 2013 - 2015

- the deployment of **777** international field experts.
- the recruitment of **2212** national experts.
- the provision of in-country training to **13657** civil aviation personnel.
- training by equipment suppliers to **1370** national personnel.
- the award of fellowships for **2041** national personnel.
- the procurement of equipment and services of **US\$251.5M**



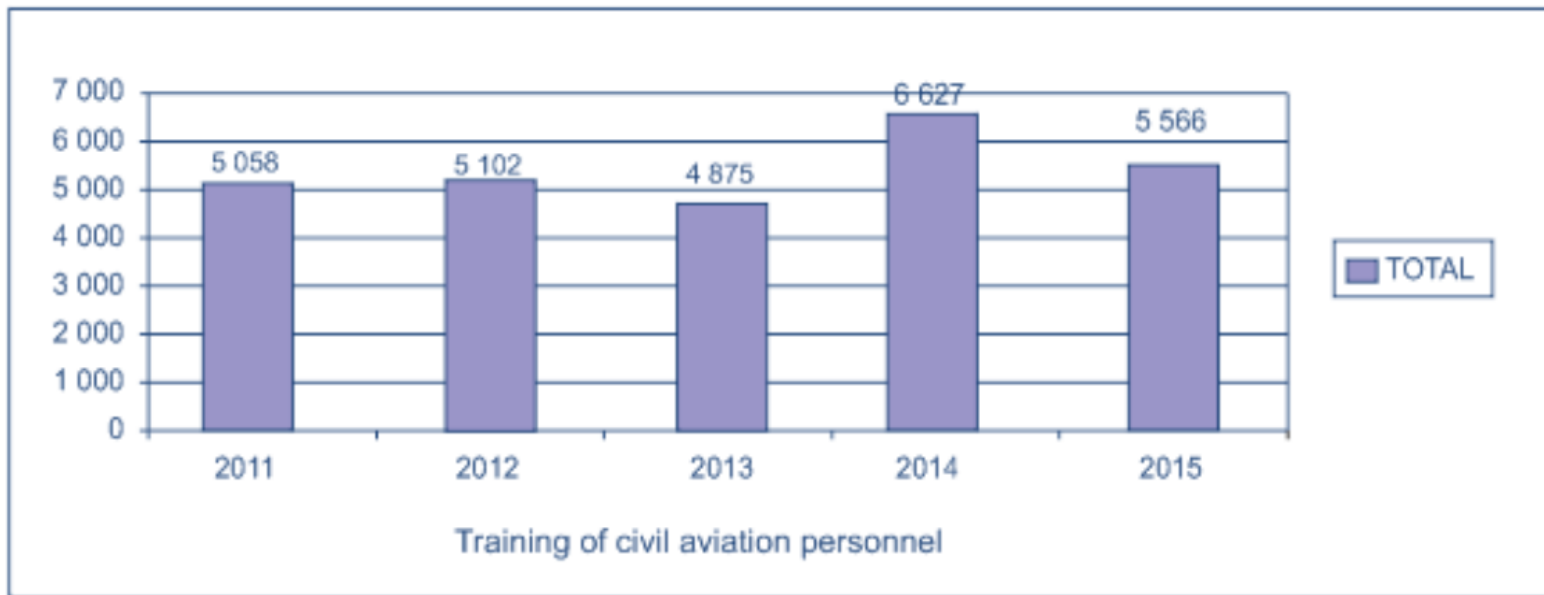
TCB by the numbers



Source: Annual Report of the ICAO Council - 2015



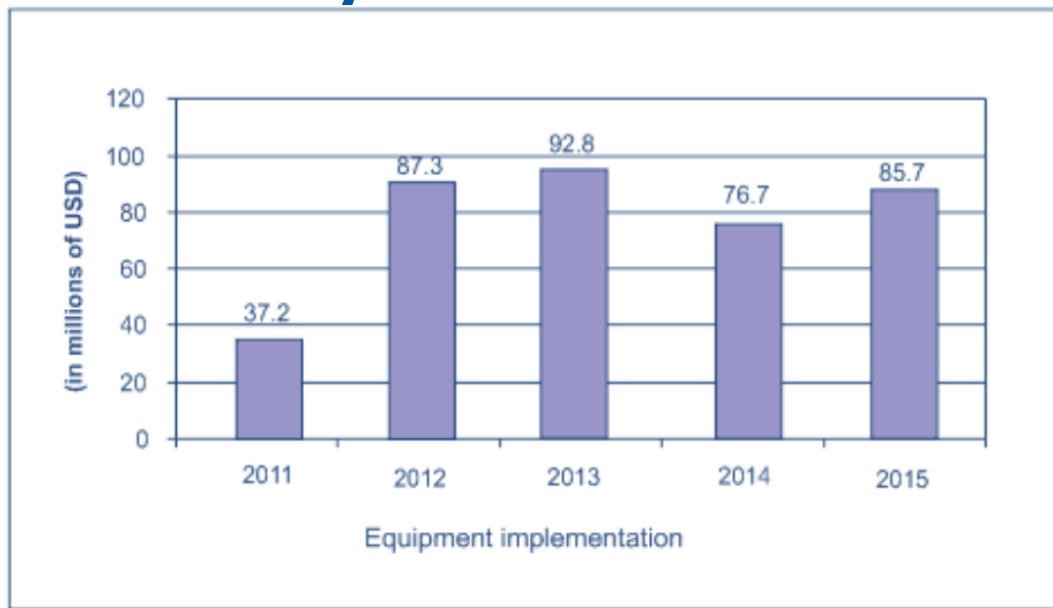
TCB by the numbers



Source: Annual Report to the ICAO Council - 2015



TCB by the numbers



Source: Annual Report of the ICAO Council - 2015



TCB FAQ

- Can TCB work with airport authorities or ANSPs? **YES**
- Can TCB assist States in identifying project financing? **YES**
- Is there a limitation on the size or duration of any project? **NO**



TCB FAQ (con't)

- Is there any cost to develop a project? **NO**
- Are there limitations in hiring Nationals?
NO
- Can OPAS experts perform certification functions? **YES**



TCB Advantages

- Strict neutrality (UN Agency)
- Technical objectivity (SARPs compliance)
- Transparent procedures (ISO9001-Certified)
- Extensive experience (over 60 years)
- One-stop shop (experts, procurement, nationals, fellowships)
- Flexibility (multitude of possible project structures)
- Competitive pricing (non-for profit)



ICAO TECHNICAL COOPERATION REVIEW

NEWS AND FEATURES ON ICAO'S TECHNICAL COOPERATION PROJECTS AND PROGRAMMES - VOL.01 - NO.01

GLOBAL COOPERATION

What it means for civil aviation





| ICAO TECHNICAL COOPERATION

THANK YOU

Technical Cooperation Bureau

