



International Civil Aviation Organization

# **TECHNICAL COOPERATION BUREAU (TCB)**

**Maputo Symposium on  
Infrastructure Financing**  
29 November – 1 December 2010

Session 2



# Technical Cooperation Bureau

- Technical Support from other Bureaux of ICAO
- Consultants & Technical Experts in 2009:
  - 467 international
  - 1,253 national
  - Total 1,720 serving officials

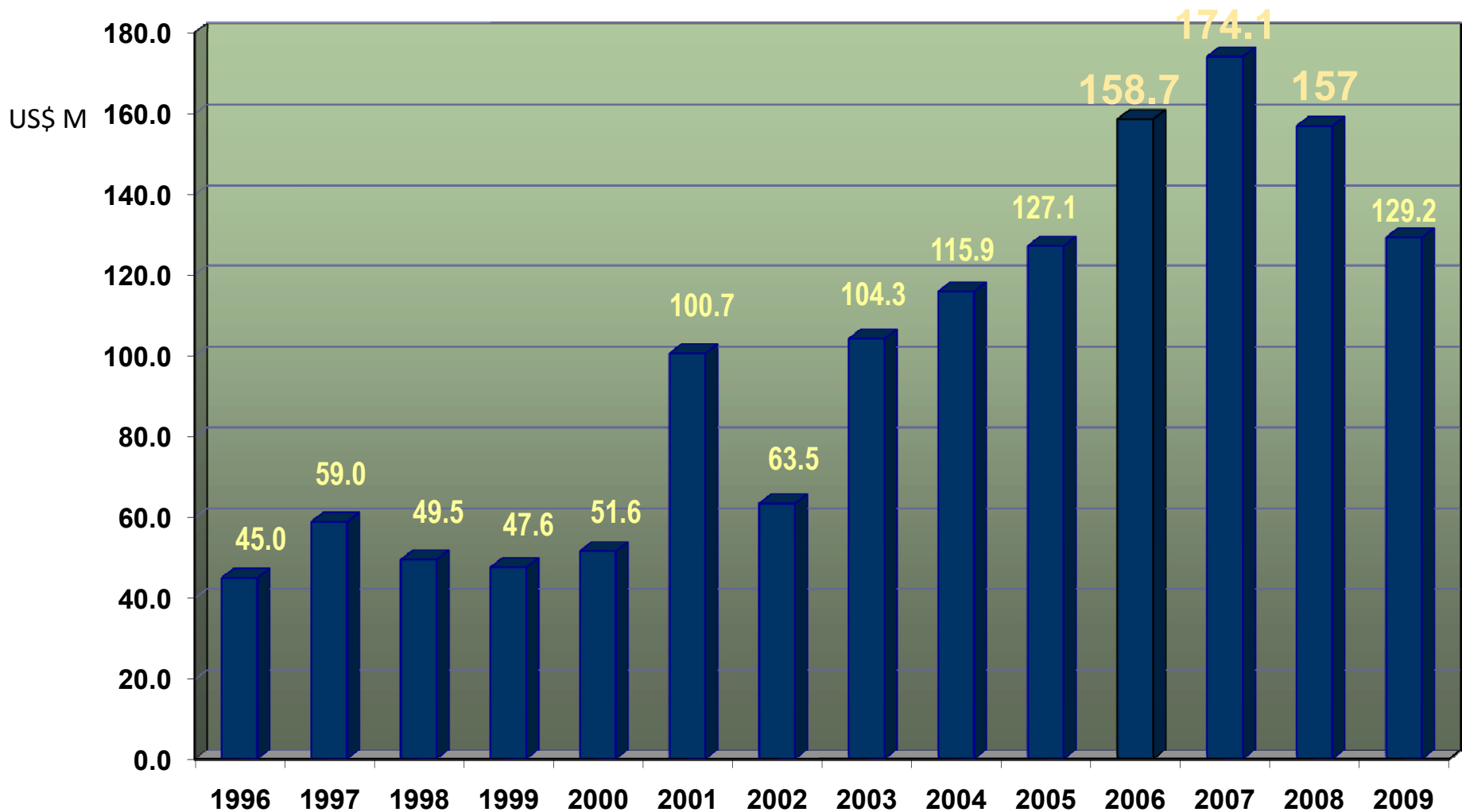
# ICAO Technical Cooperation Programme - 2009



**208 Projects executed in 82 Countries  
(9 were operationally completed during 2009)**



# Implementation of the Global Programme





# TCB Main Objectives

- **Strengthening of civil aviation institutions**
- **Transfer of technology  
and development of human resources**
- **Infrastructure and services**
- **Compliance with ICAO SARPs**
- **Corrective actions**

# Infrastructure and Services

- **Aerodromes**
- **Air navigation systems and equipment**
- **Security systems and equipment**
- **Airport management systems**
- **Maintenance programmes**
  - **Organization**
  - **Update**



# Project Formulation

- Identify the needs of the Government
- Preparatory assistance mission
- Define the requirements
- Framework for project formulation
- Project document



# Financing

- Receiving States
- Donor countries
- International financial institutions
- Regional development banks
- Private sector and aviation industry
- Regional organizations







# Administrative Costs

- Operating costs of TCB are financed mainly by the administrative cost applied to technical cooperation projects (5% to 10%)
- Administrative costs applied to the procurement of equipment and systems and/or contracting services that involve big amounts are usually between 3% and 6%

# Technical Evaluation of Airports

- **Objectives**
- **Team of Experts**
- **Master Plans**
- **Modernization of the Secondary Aerodrome Network**



# Technical Cooperation Programme of ICAO



## ✈ Duties of the Field Procurement Section



## ✈ Why Purchase through ICAO?



## ✈ Typical Areas of Technological Procurements





# Benefits of ICAO

- ➔ **Impartiality and Objectivity**
- ➔ **Knowledge and Experience**
- ➔ **Economy of Scale**
- ➔ **No commercial interests**
- ➔ **Transparency**
- ➔ **Low costs**

# ICAO Technical Cooperation Programme – Africa (national)



- **Angola: purchase DVOR/DME (USD 1.2m)**
- **Botswana: assistance in the establishment of a Civil Aviation Authority (USD 1.9m)**
- **D.R. Congo: airports/airfields rehabilitation (USD 2m)**
- **Djibouti: reinforcement of the safety oversight capability of the CAA (USD 1m)**
- **Equatorial Guinea: reinforcement of national and institutional capacity in civil aviation (USD 4.1m)**

# ICAO Technical Cooperation Programme – Africa (national, cont.)



- **Gabon: strengthening of the Regulatory Oversight System of the Agence Nationale de l'Aviation Civile (USD 1m)**
- **Mozambique: enhancement of safety oversight capability (USD 0.6m)**
- **Namibia: assist the Directorate of Civil Aviation in the reinforcement of safety and security oversight capabilities (USD 1.2m)**

# ICAO Technical Cooperation Programme – Africa (national, cont.)



- **Seychelles: assistance in aerodrome certification (USD 1.2m)**
- **Rwanda: assistance in the implementation of the New Kigali (USD 4.9m)**
- **Civil Aviation Caretaker Authority for Somalia - financed through aeronautical charges**
- **Swaziland: establishment of an autonomous CAA (USD 3m)**
- **Uganda: assistance in operations of DPKO base in Entebbe (USD 1m)**

# ICAO Technical Cooperation Programme – Africa (regional)



- ➔ **Cooperative aviation security programme for SADC (USD 2.4m)**
- ➔ **Cooperative development of operational safety and continuing airworthiness project in the Banjul Accord Group (COSCAP-BAG) (USD 2.6m)**
- ➔ **Cooperative development of operational safety and continuing airworthiness project in the Member States of the Economic and Monetary Community of Central Africa (COSCAP-CEMAC) (USD 1.2m)**



# ICAO Technical Cooperation Programme – Africa (regional, cont.)



- ➔ **Cooperative development of operational safety and continuing airworthiness project in SADC (COSCAP-SADC) (USD0.9m)**
- ➔ **Cooperative development of operational safety and continuing airworthiness project in the Member States of the West African Economic and Monetary Union (COSCAP-UEMOA) (USD 4m)**
- ➔ **Cooperative development of aeronautical meteorology services in WACAF — Phase I**



# TCB – Africa Region 2010

**At 31 July 2010:**

- ➔ 31 active projects providing assistance to 49 States, of which:**
  - ➔ 19 large scale projects with an implementation volume of USD 4.2m, and**
  - ➔ other projects with budgets of less than USD 0.5m**



## Further Information

**Together  
we shall achieve  
the objectives!**

**<http://www.icao.int/icao/en/tcb>**