

# The Technical Co-operation Programme of ICAO



## International Civil Aviation Organization



**Global Strategy Summit  
Beijing**





TECHNICAL COOPERATION PROGRAMME

### STRENGTHEN LAW GOVERNING INTERNATIONAL CIVIL AVIATION

- ASSISTANCE IN THE ELABORATION OF NATIONAL CIVIL AVIATION LAW
- PROMOTION OF REGIONAL REGULATORY FRAMEWORKS
- DIPLOMA IN INTERNATIONAL CIVIL AVIATION LEGISLATION
- SUPPORT IN THE COMPLIANCE OF ICAO'S STANDARDS AND RECOMMENDED PRACTICES - SARPs



TECHNICAL COOPERATION PROGRAMME

### ENHANCE GLOBAL CIVIL AVIATION SAFETY

- ACQUISITION OF STATE OF THE ART SYSTEMS AND EQUIPMENT
- ASSISTANCE IN CIVIL AVIATION MASTER PLANNING
- ASSISTANCE IN THE RECTIFICATION OF DEFICIENCIES IDENTIFIED THROUGH THE UNIVERSAL SAFETY OVERSIGHT AUDIT PROGRAM - USOP
- ASSISTANCE TO THE IMPLEMENTATION OF A SAFETY MANAGEMENT SYSTEM - SMS



TECHNICAL COOPERATION PROGRAMME

### ENHANCE GLOBAL CIVIL AVIATION SECURITY

- ESTABLISHMENT OF NATIONAL CIVIL AVIATION SECURITY PLANS
- TECHNICAL TRAINING
- COOPERATIVE AVIATION SECURITY PROGRAMMES - CASP
- PROCUREMENT OF AVIATION SECURITY (AVSEC) EQUIPMENT AND SERVICES



RULE OF LAW

SAFETY

SECURITY

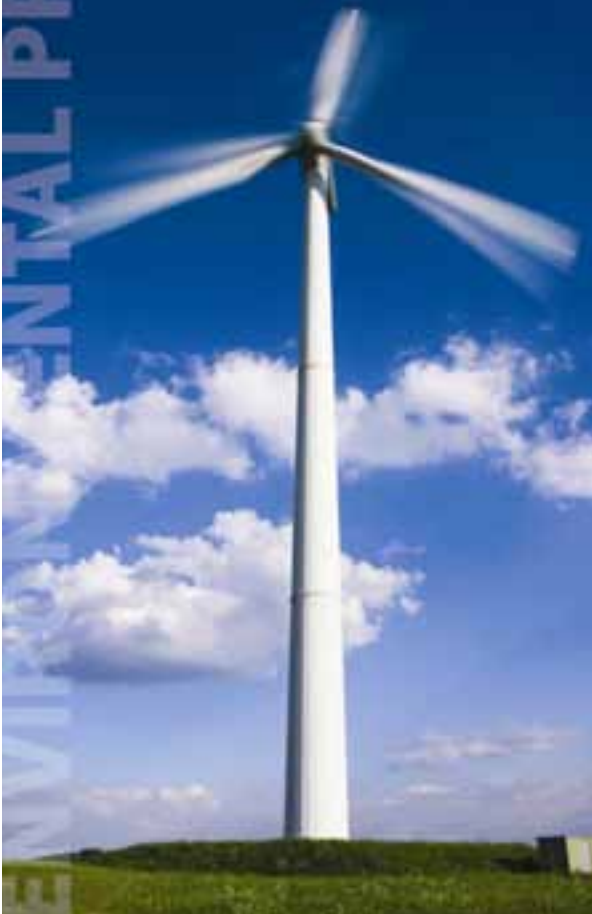
ENVIRONMENTAL PROTECTION



TECHNICAL COOPERATION PROGRAMME

**MINIMIZE THE ADVERSE EFFECT OF GLOBAL CIVIL AVIATION ON THE ENVIRONMENT**

- IN-COUNTRY TRAINING
- WATER TREATMENT PLANTS FOR PASSENGER AND CARGO TERMINALS
- ENVIRONMENTAL IMPACT STUDIES
- ASSESSMENT ON THE EMISSIONS TRADE MARKET



EFFICIENCY



TECHNICAL COOPERATION PROGRAMME

**ENHANCE THE EFFICIENCY OF AVIATION OPERATIONS**

- PROCUREMENT OF FLIGHT INFORMATION SYSTEMS AND GROUND SUPPORT EQUIPMENT
- MODERNIZATION OF AIR TRANSPORT INFRASTRUCTURE
- ASSISTANCE IN AIRPORT MASTER PLANNING
- AIRSPACE DESIGN, ORGANIZATION AND MANAGEMENT



CONTINUITY



TECHNICAL COOPERATION PROGRAMME

**MAINTAIN THE CONTINUITY OF AVIATION OPERATIONS**

- TECHNICAL AND ON-THE-JOB TRAINING
- IMPROVEMENT OF OPERATIONAL PROCESSES
- RESEARCH AND DEVELOPMENT IN CIVIL AVIATION
- ASSISTANCE IN THE ENHANCEMENT OF CIVIL AVIATION TRAINING INSTITUTIONS

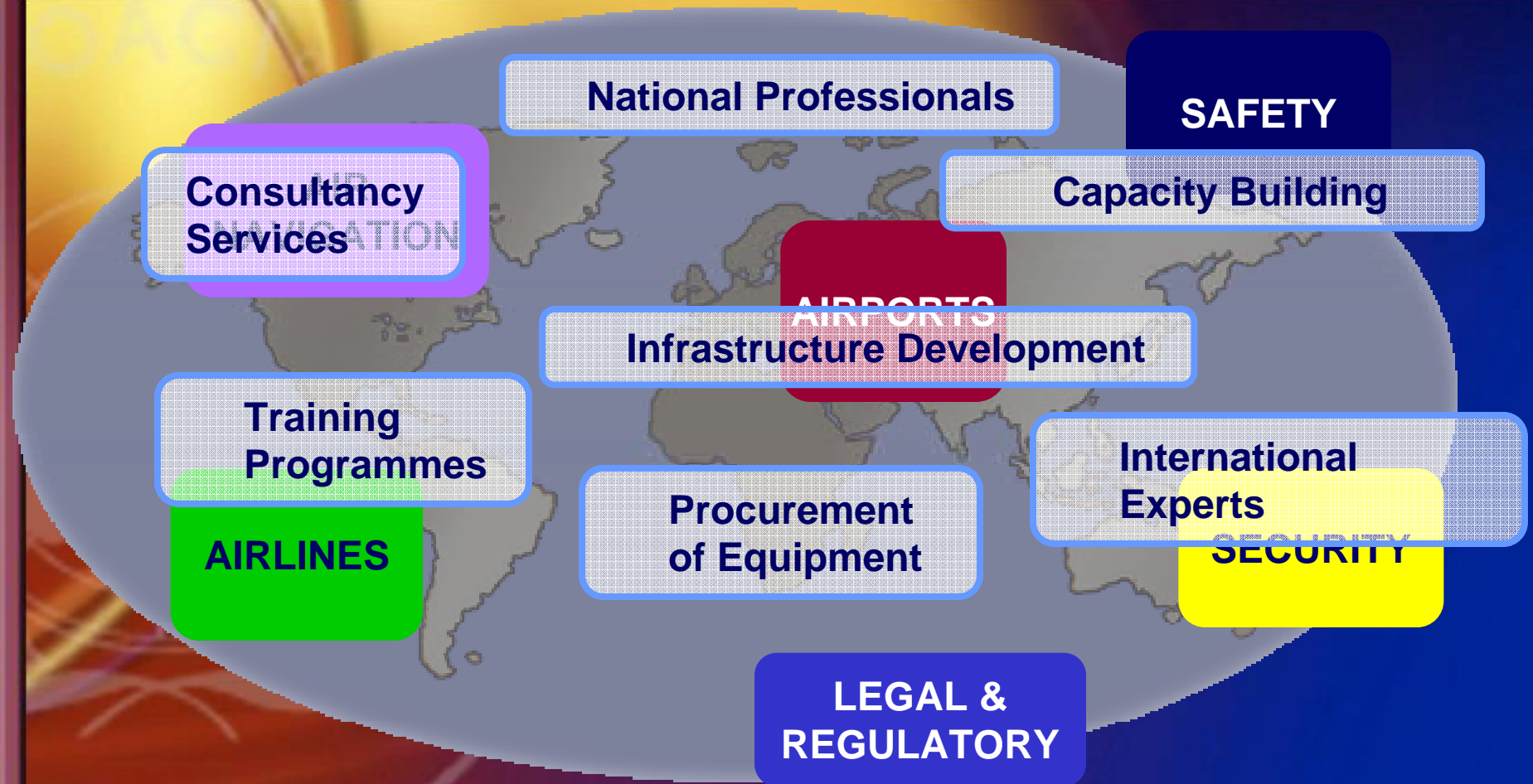


# ICAO's technical cooperation programme world wide



- 400 Projects
  - 110 States
  - 30 Regional Programmes
  - \$160 M Implementation per year
  - 1300 National Experts
  - 500 International Experts
- 
- A world map is displayed in the background of the list, showing the global reach of the ICAO technical cooperation programme. Numerous small stars are scattered across the map, indicating the locations of various projects and regional programmes. A larger yellow star is visible in North America, likely representing the ICAO headquarters.

# ICAO supports six main Categories of Cooperation Projects globally



# Strategic Objectives of ICAO

## Safety Security Sustainability



### Main Challenge

- For Multi-lateral UN Organizations
- Providing technical cooperation
- To low income economies
- In order to achieve minimum safety and security standards globally
- Thus, to save lives through reducing accident and incident rates in civil aviation
- Using most efficient and cost-effective means by sharing resources of States and partners

# Major Technical Cooperation Initiatives



- Cooperative multi-State, multi-partner regional programmes
  - COSCAP (cooperative aviation safety)
  - CASP (cooperative aviation security)
  - CFP (cooperative flight procedures)
  - CAIG (cooperative accident investigation)
  - CAEMSA (cooperative aviation meteorology)
  - CAPSCA (cooperative aviation medicine)

# Major Technical Cooperation Initiatives



- Country-specific technical cooperation addressing:
  - ICAO audit findings in States (non-compliance with Annexes to Chicago Convention)
  - Infrastructure upgrading requirements: airports, air navigation
  - Service improvements
  - Training capacity and capability enhancement
  - Creation of self-sustaining regulatory/oversight systems



# Airport Projects



- Master Plans
- Modernization of main airport network
- Modernization of the secondary airport network and runways





# What States are demanding from the Technical Co-operation Programme?

## Airports

Boarding bridges



Terminal building



Automated systems





# What States are demanding from the Technical Co-operation Programme?

## Air navigation equipment

Control Tower



Simulation



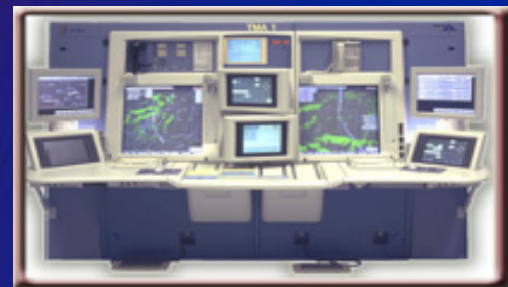
COMMUNICATION SAT



RADARS



ACGs





# What States are demanding from the Technical Co-operation Programme?

## Fire-fighting

### Protection equipment



### Vehicles



### Airport Firefighting





# What States are demanding from the Technical Co-operation Programme?

## Aviation security

CCTV equipment



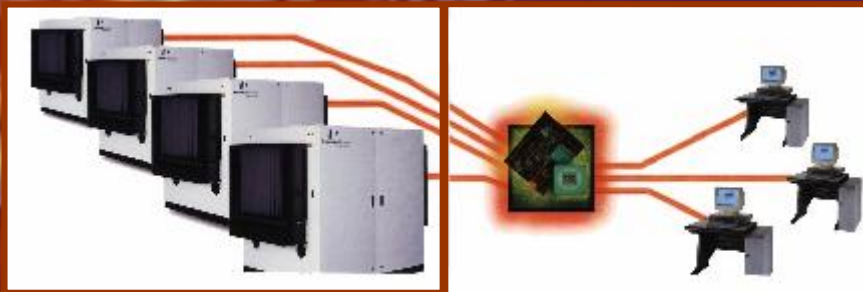
Explosive detection



Integrated systems



Baggage monitoring



Access control



# What States are demanding from the Technical Co-operation Programme?



## Assistance to airlines

- **Commercial:** Advising to built the Business Plan and ticketing, sales and marketing.
- **Operations:** Advising for pilots profiling, selection checks, contracting and training.
- **Maintenance:** Advising for procedures, tooling and certification.
- **Equipment:** Advising for aircraft selection, market search, contract discussions and aircraft acceptance and registration.



**AEROLINEAS  
ARGENTINAS**



# Tourism and airport projects



## Integration of investments

Phase 1 Phase 2 Phase 3

Construction

Airport Master Plan

Tourist Operators



# Tourism and airport projects







# Latest tourism and airport projects

- **Fiji**
- **Bali**
- **Qatar**
- **Bangkok**
- **Waverly**



# Partners of ICAO technical cooperation

## Working in unity



- EC
- FAA
- Airbus
- Boeing
- Bombardier
- EMBRAER
- IATA
- ACI
- CANSO
- AAPA
- IFFAS
- Transport Canada
- DGCA France
- French Cooperation
- CASA Australia
- JCAB Japan
- Government of Spain
- IDB
- African Development Bank
- Asian Development Bank
- Safe Skies Program for Africa
- NASA
- UNDP
- WHO
- UNOCHA
- UNCFIA
- ...
- ...

# The Technical Co-operation Programme of ICAO



**THANK YOU!**

