

The background features a large, semi-transparent watermark of the ICAO logo. The logo consists of a central globe with latitude and longitude lines, flanked by two olive branches. The globe is set within a circular frame. The acronym 'ICAO' is written in English at the top, 'OACI' in French, and 'ИКАО' in Russian. At the bottom, the Chinese characters '国际民航组织' are visible.

ICAO TECHNICAL COOPERATION PROJECTS IN INDONESIA

1973 to 2004

Introduction

With funding provided primarily by the UNDP and the Government of Indonesia, ICAO has rendered significant technical assistance to the government over the last 30+ years. The various projects were largely designed to help develop the civil aviation sector.

1973 to 1995

* 10 major projects

* Locations:

- ④ National Civil Aviation Training Center at Curug, Java
- ④ Merpati Airlines
- ④ IPTN in Bandung, Java (PT. Dirgantara Indonesian)
- ④ Garuda Indonesia Airlines
- ④ Major airports throughout Indonesia
- ④ DGAC

Technical Assistance

* Aircraft Maintenance

- ④ Avionics
- ④ Airworthiness philosophy and practice
- ④ Flight-deck crew development of Merpati Airlines
- ④ Gas turbine engines
- ④ Helicopter maintenance
- ④ Re-aligning of civil aviation training at the national training center
- ④ Revision and amendment of civil aviation regulations pertaining to flight safety
- ④ Flight testing through dynamics and analysis
- ④ Aircraft structural engineering
- ④ Airworthiness regulations
- ④ Certification of aircraft
- ④ Navigation and associated airways
- ④ Communications facilities at major airports
- ④ Aviation management

Current Projects

- * Two projects based on the results of the International Aviation Safety Assessment conducted by the Federal Aviation Administration in 1996:
 - ④ ICAO Technical Co-operation Bureau UNDP/ICAO Project INS/96/003 – Strengthening of Aviation Maintenance Safety Standards
 - ④ ICAO Technical Co-operation Bureau UNDP/ICAO Project INS/95/016 – Upgrading of Flight Operations Surveillance
- * ICAO Technical Co-operation Bureau UNDP/ICAO Project INS/95/017 - Flight Safety Enhancement Through Technical Competency Training and Certification of Airport and Airways Facilities Maintenance Technicians



UNDP/ICAO Project INS/96/003

Strengthening of Aviation Maintenance Safety Standards



Project Development Objective

To enhance international civil aviation by contributing to overall safe and efficient civil aviation development in Indonesia by means of the following:

- * Development of internationally recognized airworthiness maintenance regulations
- * Development and harmonization of industry airworthiness maintenance standards

Project Development Objective

Continued....

- * Optimization of the functional roles of the DAC Maintenance Sub-Directorate
- * Development and implementation of industry and in-house training programs for DGAC airworthiness inspectors
- * Industry familiarization with the new regulations and standards

Project Outputs and Major Achievements

PROJECT OUTPUTS	MAJOR ACHIEVEMENTS
1. Establish a National Aviation Maintenance Project Cell.	The maintenance cell is now established from 35 Government Project Professional Personnel (GPPPs) and National Project Professional Personnel (NPPPs)
2. Internationally recognized aviation maintenance regulations will have been developed.	The CASRs and procedures relating to Annexes 1, 6, and 8, have been developed or revised.
3. The functional roles of the DAC Maintenance Sub-Directorate will be optimized.	Staff Instructions have been prepared and approved. They are now being implemented through OJT.
4. An industry training program for present and future DGAC airworthiness inspectors will be developed and implemented.	A training curriculum has been developed, and training of inspectors is being implemented.

PROJECT OUTPUTS	MAJOR ACHIEVEMENTS
<p>5. In-house training program for present and future DGAC Airworthiness inspectors will be developed and implemented.</p>	<p>A training curriculum has been developed. Training of inspectors is being implemented during OJT.</p>
<p>6. Industry and DGAC personnel will receive familiarization training on the new regulations and procedures.</p>	<p>A training curriculum has been developed. Training of inspectors is being implemented during the project.</p>
<p>7. Maintenance procedure manuals for AMOs and air operators will have been revised.</p>	<p>MPM guideline has been prepared and is being implemented.</p>
<p>8. A full Airworthiness Inspection Surveillance Program will be in existence.</p>	<p>The program has been prepared and is being implemented.</p>

PROJECT OUTPUTS

MAJOR ACHIEVEMENTS

9. Over the course of the program, selected GPPP and NPPP members will receive fellowship and on-the-job training.

Six inspectors completed the Airworthiness Inspector's Course at the FAA Academy.

10. Quality assurance of outputs will be achieved throughout project life.

Quality assurance is achieved through monthly progress reports and meetings with the DGAC

11. ICAO Universal Safety Oversight Audit of the Republic of Indonesia, November 2000. (This Output was not planned in the original project document).

Preparation for the ICAO Audit, corrective action plan, and implementation were given high priority. The results of the Audit were satisfactory.



UNDP/ICAO Project INS/95/016

Upgrading of Flight Operations Surveillance



Project Development Objective

The overall objective of the project is to establish a fully functional Flight Operations Inspection Division within the Directorate General of Air Communications capable of regulatory surveillance in all operational areas of the commercial aviation industry.

Inherently, the project must also undertake to develop sustainable human resources to ensure that the task of certifying and monitoring the industry can continue without third-party assistance or presence.

Project Outputs and Major Achievements

PROJECT OUTPUTS	MAJOR ACHIEVEMENTS
1. A Flight Operations Inspection cell will be established.	The Operations cell is completed.
2. Develop Regulatory and Air Carrier Flight Operations Standards.	Essential regulations and standards have been developed in line with Annexes 1, 6, and 8.
3. Establish a Flight Operations Audit Team	An audit team has been established.
4. Accomplish training for DGAC inspectors and industry personnel.	Training of DGAC and industry personnel continues: Fellowship training of 3 inspectors, OJT, and in-house classes.

PROJECT OUTPUTS	MAJOR ACHIEVEMENTS
<p>5. Establish and standardize all Air Carrier manuals.</p>	<p>Based on the new CASRs and compliance checklists, standardization of air carrier manuals is developed during inspector surveillance.</p>
<p>6. Establish a Flight Operations Master Surveillance Program.</p>	<p>A Master Surveillance Plan which meets international standards has been completed and approved by the Director.</p>
<p>7. Develop Air Carrier-approved Check Pilot Program</p>	<p>A new Air Carrier Check Pilot Program has been drafted and is awaiting approval. Three inspectors attended the Transport Canada Check Pilot Course.</p>

PROJECT OUTPUTS	MAJOR ACHIEVEMENTS
<p>8. Establish a Certification Team and Air Carrier implementation plan.</p>	<p>Most national carriers have been recertified under the new CASRs. Compliance audits have been done on several major carriers. Follow-up surveillance continues.</p>
<p>9. Quality Assurance of outputs will be achieved throughout project life.</p>	<p>Quality assurance is accomplished through monthly progress reports and meetings with DGAC.</p>
<p>10. ICAO Universal Safety Oversight Audit of the Republic of Indonesia, November 2000. (This Output was not planned in the original Project Document).</p>	<p>Preparation for the ICAO Audit, corrective action plan, and implementation were given priority over the above Project Outputs, as requested by DGAC. The results of the audit were satisfactory.</p>

STANDARDS, PROCEDURES AND ADVISORY CIRCULARS PREPARED BY THE ICAO PROJECTS AND APPROVED BY THE GOVERNMENT OF INDONESIA

- 1. Civil Aviation Safety Regulations (CASRs) – Standards 20**
- 2. Staff Instructions (Handbooks) – Procedures 20**
- 3. Advisory Circulars – Advisory Material 38**

These documents were prepared by the Projects in line with FAA Regulations (FARs) and to comply with the International Standards specified in ICAO Annexes 1, 6, and 8.

UNDP/ICAO Project INS/95/017

Flight Safety Enhancement Through Technical Competency Training and Certification of Airport and Airways Facilities Maintenance Technicians

- * Survey of Airport Security (AVSEC), Annex 17
- * Air Traffic Service Certification, Annex 11

ICAO TECHNICAL COOPERATION PROJECTS IN INDONESIA

THANK YOU

