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Международная  
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منظمة الطيران  
المدني الدولي

国际民用  
航空组织

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1 February 2012

To: States/International Organizations

cc: ICAO Secretary General  
D/ANB  
D/ATB  
D/TCB  
ICAORDs

Subject: **Report of the Second Haiti Civil Aviation Steering Committee (CASC) Meeting**  
Pétion Ville, Port-au-Prince, Haiti, 18 January 2012

Dear Sir/Madam:

Enclosed please find the report of the Second Haiti Civil Aviation Steering Committee (CASC) Meeting held in Pétion Ville, Port-au-Prince, Haiti, on 18 January 2012. Please share the report with your State/Organization's agencies that provide assistance for international development, representative offices in Haiti, and any other organization with an interest in providing assistance or supporting the development of civil aviation in Haiti.

The report and further information can be found on the following web page:  
<http://www.mexico.icao.int/RegionalGroups/HaitiCASC.html>.

Donor States/Organizations are requested to provide our office with information on the scope and status of ongoing and planned projects as well as any new and/or updated assistance offers and commitments.

The next CASC meeting is tentatively scheduled for 13 April 2012, in Port-au-Prince.

If you require any further information regarding the CASC, including future participation, please contact Mr. Michiel Vreedenburgh (mvreedenburgh@icao.int), ICAO NACC Deputy Regional Director.

Accept, Sir/Madam, the assurances of my highest consideration.

Loretta Martin  
Regional Director  
North American, Central American and  
Caribbean (NACC) Regional Office

**Enclosure:** *As indicated*



**INTERNATIONAL CIVIL AVIATION ORGANIZATION  
NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN REGIONAL OFFICE**

**SECOND MEETING OF THE HAITI CIVIL AVIATION STEERING COMMITTEE  
(CASC)**

**CASC/2**

**REPORT**

**PETION VILLE, PORT-AU-PRINCE, HAITI  
18 JANUARY 2012**

The designations employed and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of ICAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

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## HISTORICAL

### **ii.1 Place and Date of the Meeting**

The Second Meeting of the Haiti Civil Aviation Steering Committee (CASC/2) was held at the Karibe Hotel in Pétion Ville, Port-au-Prince, Haiti, on 18 January 2012.

### **ii.2 Opening and Officers of the Meeting**

Capt. Jean-Marc Maurice Flambert, Director General of Civil Aviation of Haiti, welcomed the delegations, provided introductory remarks and served as Chairman of the meeting. Mrs. Loretta Martin, Regional Director of the North American, Central American and Caribbean (NACC) Regional Office of the International Civil Aviation Organization (ICAO), served as Secretary with the assistance of Mr. Michiel Vreedenburgh, Deputy Regional Director, ICAO NACC Regional Office. Mr. Gil Williams, Chief Field Operations Section, and Mrs. Marie-Ange Nyssen, Procurement Officer, representing the ICAO Technical Cooperation Bureau, were also in attendance.

### **ii.3 Meeting Agenda**

1. Haiti civil aviation status and development
2. ICAO update
3. State/Organization updates on other assistance projects
4. Action Plan
5. Next steps

### **ii.4 Attendance**

The Meeting was attended by 40 participants representing Dominican Republic, Haiti, United States, European Union, IATA, IDB, MINUSTAH, United Nations, World Bank, World Food Programme and ICAO, which is detailed in the following List of Participants.

**LIST OF PARTICIPANTS**

**DOMINICAN REPUBLIC**

Carlos Veras  
Juan César Thomas Burgos  
Gender Castro Pared

**HAITI**

Jean-Marc Maurice Flambert  
Marc Paulemon  
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**UNITED NATIONS**

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**WORLD BANK**

Pierre Bonneau

**WORLD FOOD PROGRAMME**

Edmondo Perrone

**ICAO SECRETARIAT**

Loretta Martin  
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SECOND MEETING OF THE HAITI CIVIL AVIATION STEERING COMMITTEE (CASC)  
HISTORICAL

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SECOND MEETING OF THE HAITI CIVIL AVIATION STEERING COMMITTEE (CASC)  
HISTORICAL

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**Report on Agenda Item 1      Haiti civil aviation status and development**

1.1            Haiti provided an update on the status of civil aviation and development, which reflected some change since the previous briefing provided at the CASC/1 Meeting in March 2011. However, the Meeting noted with concern the limited progress over the last two years since the conclusion of the emergency response and recovery phase during the months following the earthquake disaster.

1.2            Noteworthy developments were reported as follows:

- Ongoing Cap Haïtien International Airport Improvement and Radar Project financed by a USD30 million loan provided by the BANDES Bank of Venezuela to the Government of Haiti
- Government of Haiti rehabilitation of the existing passenger terminal building

**Report on Agenda Item 2      ICAO update**

2.1            The summary update on the situation in Haiti provided by the Secretary General to the Council in October 2011 is presented in **Appendix A**.

2.2            ICAO provided a presentation, which guided the Meeting's deliberations and is presented in **Appendix B**.

2.3            A multi-disciplinary technical team of air navigation, aerodrome, aviation security and technical cooperation experts from the ICAO NACC Regional Office carried out a mission to Haiti from 24 to 28 October 2011. The visit was coordinated by l'Office National de l'Aviation Civile (OFNAC) and included meetings with l'Autorité Aéroportuaire Nationale (AAN), Centre National de Météorologie (CNM), Ministère des Travaux Publics, Transports et Communications (MTPTC), United Nations Stabilization Mission in Haiti (MINUSTAH) and World Food Programme (WFP). The team visited Toussaint Louverture International Airport (MTPP) and Cap Haïtien International Airport (MTCH) including their air navigation, movement area and passenger terminal facilities.

2.4            The mission was follow-up to the ICAO visit to Haiti from 9 to 11 March 2010, after the earthquake disaster of 12 January 2010, which had evaluated the condition of civil aviation facilities and services and established prioritized requirements and a mechanism for the coordination of the implementation of assistance projects.

2.5            The objectives of the follow-up mission were the following:

- Update the March 2010 ICAO Mission Report
- Update the Haiti Civil Aviation Development Action Plan
- Update the ICAO Technical Cooperation Project Documents
- Prepare for the World Bank/ICAO project

2.6 The ICAO team observed very few improvements since the previous mission conducted 18 months prior. Some improvements were the repair of the perimeter barrier and construction of a perimeter road by MINUSTAH, restoration of electrical power to airport facilities and equipment, the provision of security equipment and training by the United States Transportation Security Administration (TSA), and the provision of temporary passenger processing facilities with the support of American Airlines.

2.7 However, deterioration was observed by the ICAO team in the areas of critical air navigation aids, communications and movement area surfaces, which have a negative impact on flight safety for aircraft operations. IATA reported airline complaints of poor ATC service, security, and passenger facilities. MINUSTAH reported a significant number of ATS incidents, poor AIS and MET services, and deficient rescue and fire-fighting services as well as emergency response preparedness and coordination.

2.8 The updated observations and recommendations for the development of civil aviation facilities and services in compliance with ICAO SARPs were presented in the mission report.

2.9 The prioritized recommended projects to resolve the deficiencies identified are included in the updated Haiti Civil Aviation Development Action Plan presented in **Appendix C** to this report. The most important and urgent of these projects are the following:

- VHF air-ground communications equipment
- DVOR/DMEs (3)
- Air Traffic Control Tower (TWR)
- Area Control Centre (ACC)
- Instrument Landing System (ILS)
- Approach Lighting System (ALS) and Precision Approach Path Indicators (PAPIs)
- Automatic Weather Observation System (AWOS)
- Back-up power for ACC and navaids
- Rescue and Fire-fighting Services (RFFS) Personal Protection Equipment (PPE) and emergency communications system
- Aviation security (AVSEC) equipment
- Runway End Safety Areas (RESA)
- Apron pavement repairs and provision of lights and signs
- Passenger handling facilities

2.10 In order for Haiti to take advantage of the assistance available to support implementation of the Haiti Civil Aviation Development Action Plan, it was suggested that the following be considered:

- ICAO continue its role and enhance its activities in the coordination of assistance projects for civil aviation development
- Haiti use ICAO management and procurement services for cost-effective and timely implementation of aviation development projects through a transparent and well-coordinated mechanism
- Haiti and ICAO update, finalize and sign the Technical Cooperation Project Documents

- Haiti request further assistance for the implementation of projects from potential donor States and organizations and accept the assistance offers received

2.11 The World Bank “Haiti Civil Aviation Sector Infrastructure and Institution Emergency Recovery Grant,” for which the MTPTC has contracted ICAO professional services was discussed. ICAO will deploy experts to Haiti as soon as funds are deposited by the World Bank, which was reported to be imminent.

2.12 ICAO also provided a presentation on the ICAO/TCB Procurement Procedures and Mechanisms, which is provided in **Appendix D**.

### **Report on Agenda Item 3 State/Organization updates on other assistance projects**

3.1 The progress on the following completed, on-going, and planned projects was reported by the meeting participants:

#### **United States Projects**

##### Federal Aviation Administration (FAA)

- Donation to Haiti of mobile air traffic control tower in use at MTPP since the earthquake - completed
- Training at FAA Academy - pending
- Civil works by SouthComm (New Horizons) - pending

##### Transportation Security Administration (TSA)

- Provision of equipment - completed
- In collaboration with Transport Canada, aviation security training and development of manuals and procedures – on-going
- Evaluation that identified requirements as urgent for the repair and maintenance of existing AVSEC equipment, new equipment with maintenance contracts, and Explosive Ordnance Disposal (EOD) capability including equipment and training – pending
- Seeking SouthComm funding for perimeter security upgrading - pending
- Next assessment mid-February 2012

##### United States Trade and Development Agency (USTDA)

- Technical assistance for the Priority Airport Projects Study - cancelled

#### **Inter-American Development Bank (IDB) Projects**

- Aviation security training and development of manuals and procedures (IATA) – on-going
- Procurement of AVSEC equipment (Multilateral Investment Fund - MIF) - ongoing
- Runway rehabilitation design and tender documents (Louis Berger) - completed

- Airport Master Plan update (Aéroports de Paris Designers and Planners - ADPi) - pending
- Air Traffic Control Tower Study (ADPi) - pending

**International Air Transport Association (IATA) Projects**

- Development of RNAV/RNP procedures – pending
- Aircraft operators using GNSS approach procedures at MTPP in Port-au-Prince in lieu of VOR approach procedures
- Aviation professional training for courses at the Miami regional office – provided to MINUSTAH and available to OFNAC and AAN
- Air Transport Economic Study – planned for completion by May 2012
- Other assistance that can be provided by member airlines to be considered upon request

**United Nations Stabilization Mission in Haiti (MINUSTAH)**

- Airport perimeter road and barrier – completed
- Provision of EOD coverage – on-going

**Organization of American States (OAS) / Inter-American Committee against Terrorism (CICTE)**

- OAS/CICTE National and Regional AVSEC Courses – on-going
- Scholarships for participation in ICAO AVSEC training courses and workshops – on-going

**Caribbean Aviation Safety and Security Oversight System (CASSOS)**

- Caribbean Airport Certification Process Technical Assistance Study (USTDA project) – Aerodrome Organization and Management (AOM), Aerodrome Emergency Plan (AEP) and Safety Management Systems (SMS) manuals - ongoing
- Technical assistance for civil aviation regulations, institutional capacity building, corrective action plan, and CASSOS plastic license system – on-going

**Dominican Republic – pending**

- Air Traffic Control Officer (ATCO) training
- Facilities for other organization training

**France – pending**

- Funding projects through IDB (Airport Master Plan and Control Tower Design Study)
- Assistance from DGAC France upon request

**Airports Council International (ACI) – pending**

- Airport professional training
- Airport equipment

**Report on Agenda Item 4      Action Plan**

4.1            ICAO presented the Action Plan, which had been updated following the ICAO assessment undertaken in October 2011. The Meeting reviewed the Action Plan, and the revised version is presented in **Appendix C** to this report.

**Report on Agenda Item 5      Next steps**

5.1            The Meeting discussed the next steps and agreed upon the following:

- ICAO/World Bank Project start-up
- ICAO update Technical Cooperation project documents for review and acceptance by Government of Haiti (GoH)
- GoH set aviation as a national priority and propose projects to potential donors
- GoH invite private sector proposals and ICAO assist in reviewing for strategic and technical due diligence
- GoH/ICAO to jointly lobby potential donors
- GoH/Donors to consider ICAO Procurement Mechanism - Civil Aviation Purchasing Service (CAPS)
- Next CASC meeting – 13 April 2012



**INTERNATIONAL CIVIL AVIATION ORGANIZATION  
NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN REGIONAL OFFICE**

**UPDATE ON THE SITUATION IN HAITI**

October 2011

Following the devastating earthquake that occurred in Haiti on 12 January 2010, a decision was taken by the ICAO Council to develop a technical cooperation project for the reconstruction of the civil aviation sector in Haiti and encourage voluntary contributions from Member States, financial institutions and the aviation industry. In this regard, the Secretary General designated the ICAO North American, Central American and Caribbean (NACC) Regional Office as the focal point for all ICAO assistance and support activities in Haiti.

This briefing provides an update on the situation in Haiti since the last report posted on the ICAO Council website in March 2011 and provides developments and next steps as a result of the recent mission conducted by the ICAO North American, Central American and Caribbean Regional Office from 27 to 28 September 2011.

**Developments since 1 March 2011:**

- The 1<sup>st</sup> Meeting of the Haiti Civil Aviation Steering Committee (CASC) was held at the Office National de l'Aviation Civile (OFNAC) office in Port-au-Prince, Haiti, on 10 March 2011. The meeting was attended by representatives of Haiti (Ministère des Travaux Publics, Transports & Communications [MTPTC], Office National de L'Aviation Civile [OFNAC], Autorité Aéroportuaire Nationale [AAN]), Jamaica, Spain, United States, International Air Transport Association (IATA), Inter-American Development Bank (IDB), Caribbean Aviation Safety and Security Oversight System (CASSOS), United Nations (UN), World Bank (WB) and ICAO.
- The Haiti Presidential second round run-off election was held on 20 March 2011. Official results were announced on 21 April 2011, and Mr. Michel Martelly was elected as the new President.
- The new Prime Minister, appointed by the President and ratified by the National Assembly, Mr. Garry Conille, took office on 18 October 2011. He will appoint the Ministers and Secretaries of State including the Minister of Public Works, Transport and Communications.
- New Directors General have been appointed for both the civil aviation authority - OFNAC and airport authority - AAN.
- The ICAO NACC Regional Director and Deputy visited Haiti on 27 and 28 September 2011, and met with H.E. Michel Martelly, President; the President's Advisors; representatives of the MTPTC; Ministry of Tourism; OFNAC; AAN; WB; United Nations Resident Coordinator's (UNRC) office; World Food Programme (WFP)/Logistics Cluster; and United Nations Stabilization Mission in Haiti (MINUSTAH).
- On 5 October, the contract between the MTPTC and ICAO for the World Bank "Haiti Civil Aviation Sector Infrastructure and Institution Emergency Recovery Grant" project was signed.
- Civil aviation assistance projects are also being implemented by the following States/organizations: United States (Federal Aviation Administration [FAA], Transportation Security Administration [TSA]), the United States Trade and Development Agency [USTDA], CASSOS, IATA, IDB, MINUSTAH, and the Organization of American States (OAS).
- The ICAO NACC Regional Officer Flight Safety conducted a technical evaluation and assistance mission in June 2011.



## SECOND MEETING OF THE HAITI CIVIL AVIATION STEERING COMMITTEE (CASC/2)

- The ICAO NACC Regional Office has created a website for the Haiti CASC: (<http://www.mexico.icao.int/RegionalGroups/HaitiCASC.html>) - confidential documents access - username: haiticasc; password: caschaiti01.

### **Next Steps:**

- The ICAO NACC Regional Office will undertake a follow-up multi-disciplinary technical mission from 24 to 28 October 2011. The objectives of the mission are to update the assessment of conditions, recommended action plan, and project documents and prepare for briefing the WB project consultants.
- Initiate the WB Project in the short term.
- Revise the ICAO TC Project Documents for signature by Haiti.
- The next CASC meeting is scheduled for 1 December 2011, in Port-au-Prince.

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International Civil Aviation Organization



## Second Haiti Civil Aviation Steering Committee Meeting (CASC/2) Haiti Civil Aviation Development

International Civil Aviation Organization  
Port-au-Prince, Haiti, 18 January 2012



## Importance of Civil Aviation to Haiti



- ✈ Air transportation – connectivity
- ✈ Trade
- ✈ Tourism
- ✈ Employment
- ✈ Economic growth - productivity
- ✈ Public/community service – social inclusion
- ✈ Recovery and reconstruction
- ✈ Poverty reduction
- ✈ Emergency preparedness and response
- ✈ Capacity development



## Present Civil Aviation Condition in Haiti



- ✈ **Limited air navigation services (AIS, MET, ATS, CNS, AGA) are being experienced by both enroute and terminal traffic due to affected equipment and lack of human resources**
- ✈ **IATA reports airline complaints of poor ATC service, security and passenger facilities**
- ✈ **MINUSTAH reports ATS incidents, poor AIS and MET services, deficient RFFS and emergency response preparedness and coordination**

## Present Civil Aviation Condition in Haiti



- ✈ **Limited passenger and cargo flow due to MTPP airport terminal capacity constraints**
- ✈ **Air transport has been severely affected by the lack of proper civil aviation infrastructure, which directly hinders effective progress in the Haitian recovery process**
- ✈ **Reduced capacity to respond to other catastrophic situations**

## Present Civil Aviation Condition in Haiti



- ✈ Airport and Air Navigation Services limitations are having direct social and economic impact on passenger and air cargo transport services
- ✈ Reduced economic and commercial activities at the airport due to terminal building
- ✈ Reduced domestic air transport as a result of the main airport limitations and reduction of international passenger flow
- ✈ Reduced capacity to undertake and continue the development and extension of the national airport infrastructure system

## ICAO Update since CASC/1 Meeting (March 2011)



- ✈ September 2011: ICAO/Government of Haiti and UN meetings
- ✈ World Bank “Haiti Civil Aviation Sector Infrastructure and Institution Emergency Recovery Grant” project with ICAO services - contract signed in October 2011 by Haiti and ICAO
- ✈ October 2011: ICAO Follow-up Technical Assessment Mission
- ✈ Haiti CASC web site created:  
<http://www.mexico.icao.int/RegionalGroups/HaitiCASC.html>
- ✈ Confidential documents access - username: haiticasc;  
password: caschaiti01

## Results of ICAO Follow-up Mission (October 2011)



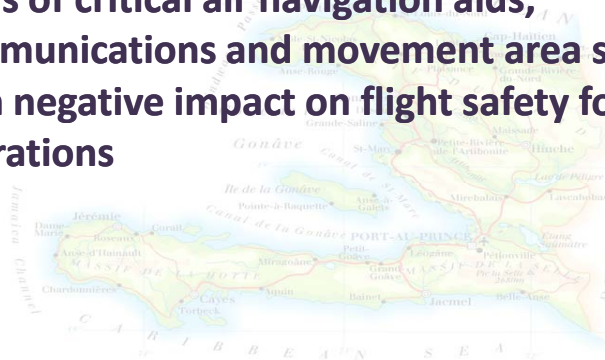
✈ The ICAO team observed very few improvements since the previous mission conducted 18 months prior:

- ✈ Repair of perimeter barrier and construction of perimeter road by MINUSTAH
- ✈ Restoration of electrical power to airport facilities and equipment by AAN
- ✈ Provision of security equipment and training by the United States Transportation Security Administration (TSA)
- ✈ Provision of temporary passenger processing facilities

## Results of ICAO Follow-up Mission (October 2011)



✈ However, deterioration was observed in the areas of critical air navigation aids, communications and movement area surfaces, with negative impact on flight safety for aircraft operations





## Recommendations of ICAO Mission (October 2011)



**Implementation and improvement of the following:**

- ✈ **Aviation safety and security regulatory framework and oversight systems**
  - ✈ **OFNAC organizational strengthening**
  - ✈ **Recruitment and training of staff**
  - ✈ **Civil aviation code & regulations**
  - ✈ **Separation of air navigation regulation and services provision**

## Recommendations of ICAO Mission (October 2011)



- ✈ **State Safety Programme (SSP)**
- ✈ **Aerodromes certification**
- ✈ **Air operators certification**
- ✈ **ATCO, pilot and mechanic licensing**
- ✈ **AGA, ATM and OPS Safety Management Systems (SMS)**
- ✈ **AIM, MET, and AVSEC Quality Management/Control Systems/Programmes**
- ✈ **AVSEC screener certification**
- ✈ **Civil aviation policy, strategy and development plan**
- ✈ **Airport master plans**

## Updated Action Plan (October 2011)




**Priority 1**

- ✈ **Air Navigation Services (FIR and aerodromes)**
  - ✈ VHF air-ground communications tower & equipment (2) – WB (1), Haiti (1)
  - ✈ DVOR/DME (3) – WB (2), Haiti (1)
  - ✈ Automatic Weather Observation Systems (AWOS) – MINUSTAH and WMO
  - ✈ Aeronautical Information Management (AIM) Office
- ✈ **Port-au-Prince International Airport**
  - ✈ Passenger terminal facilities
  - ✈ Air traffic control tower
  - ✈ Back-up power for ACC, nav aids, lights
  - ✈ Instrument Landing System (ILS) - WB
  - ✈ Approach Lighting System (ALS) – WB



## Updated Action Plan (October 2011)




**✈ Priority 1 Port-au-Prince International Airport (continued)**

- ✈ Precision Approach Path Indicator (PAPI) lights - WB
- ✈ Runway End Safety Areas (RESA) - WB
- ✈ Runway, taxiway, apron - pavement, lights, signs
- ✈ Rescue and fire fighting services (RFFS) personal protection equipment (PPE), water replen. and emergency communications system/equipment
- ✈ AVSEC equipment - IDB, Haiti
- ✈ AIS Office

**Priority 2**

- ✈ OFNAC and AAN operations equipment and vehicles
- ✈ Area Control Centre (ACC)
- ✈ Port-au-Prince International Airport perimeter security fencing
- ✈ Etc.



## Donor Assistance Offers




- ✈ Dominican Republic
- ✈ France
- ✈ United States
  - ✈ FAA
  - ✈ TSA
  - ✈ USTDA
- ✈ ACI
- ✈ CASSOS
- ✈ IATA
- ✈ IDB
- ✈ MINUSTAH
- ✈ OAS/CICTE
- ✈ World Bank
- ✈ ICAO



## Haiti Government Projects




- ✈ Cap Haitien Airport Upgrading and new Secondary Surveillance Radar (SSR) - (GoH/BANDES loan) – **ongoing**
  - ✈ Commencement of Cap Haitien Airport Improvement and Radar Project financed by a USD 30+ million loan provided by the BANDES Bank of Venezuela to GoH
- ✈ Passenger terminal building rehabilitation (MTPTC)
- ✈ Electrical power supply for airport facilities (AAN)
- ✈ PAP drainage study (MTPTC)





## World Bank/ICAO Assistance





- ✈ **World Bank “Haiti Civil Aviation Sector Infrastructure and Institution Emergency Recovery Grant”**
- ✈ **Project scope:**
  - ✈ **Runway 10 Instrument Landing System (ILS)**
  - ✈ **2 VOR/DMEs (MTPP and Obleon)**
  - ✈ **VHF air-ground radio communications tower**
  - ✈ **Runway 10 Approach Lighting System (ALS)**



## World Bank/ICAO Assistance






- ✈ **Project scope**
  - ✈ **Runway 28 Precision Approach Path Indicator (PAPI)**
  - ✈ **West Runway End Safety Area (RESA)**
  - ✈ **Air Traffic Management (ATM) training**
- ✈ **Status - next steps**
  - ✈ **Project with ICAO**
  - ✈ **WB deposit funds**
  - ✈ **ICAO deploys experts**



## United States Projects



- ✈ **Federal Aviation Administration (FAA)**
  - ✈ Donation to Haiti of mobile air traffic control tower in use at MTPP since the earthquake - **completed**
  - ✈ Training at FAA Academy - **pending**
  - ✈ Civil works by SouthComm (New Horizons) - **pending**
- ✈ **Transportation Security Administration (TSA)**
  - ✈ Provision of equipment - **completed**
  - ✈ In collaboration with Transport Canada, aviation security training and development of manuals and procedures - **ongoing**
  - ✈ Evaluation that identified requirements for the repair and maintenance of existing AVSEC equipment, new equipment with maintenance contracts, and EOD capability including equipment and training as urgent – **pending**

## United States Projects



- ✈ **Transportation Security Administration (TSA)**
  - ✈ Seeking SouthComm funding for perimeter security upgrading - **pending**
  - ✈ Next assessment **mid-February 2012**
- ✈ **United States Trade and Development Agency (USTDA)**
  - ✈ Technical assistance for the Priority Airport Projects Study - **cancelled**

## Inter-American Development Bank (IDB) Projects



- ✈️ **Aviation security training and development of manuals and procedures (IATA) – ongoing**
- ✈️ **Procurement of AVSEC equipment (MIF/AAN) - ongoing**
- ✈️ **Runway rehabilitation design and tender documents (Louis Berger) - completed**
- ✈️ **Airport Master Plan update (Aéroports de Paris Designers and Planners - ADPi) - pending**
- ✈️ **Air Traffic Control Tower Study (ADPi) - pending**

## International Air Transport Association (IATA) Projects



- ✈️ **Development of RNAV/RNP procedures – pending**
  - ✈️ **Aircraft operators using GNSS approach procedures at Toussaint L’Ouverture International Airport (MTPP) in Port-au-Prince in lieu of VOR approach procedures**
- ✈️ **Aviation professional training for courses at the Miami regional office - pending**
- ✈️ **Air transport economic study - pending**
- ✈️ **Other assistance that can be provided by member airlines to be considered upon request**

## Other Projects



- ✈ **United Nations Stabilization Mission in Haiti (MINUSTAH)**
  - ✈ **Airport perimeter road and barrier – completed**
  - ✈ **Provision of EOD coverage - ongoing**
- ✈ **Organization of American States (OAS) / Inter-American Committee against Terrorism (CICTE)**
  - ✈ **OAS/CICTE National and Regional AVSEC Courses - ongoing**
  - ✈ **Scholarships for participation in ICAO AVSEC training courses and workshops - ongoing**

## Other Projects



- ✈ **Caribbean Aviation Safety and Security Oversight System (CASSOS)**
  - ✈ **Caribbean Airport Certification Process Technical Assistance Study (USTDA project) – AOM, AEP and SMS manuals - ongoing**
  - ✈ **Technical assistance for civil aviation regulations, institutional capacity building, corrective action plan, and CASSOS plastic license system - ongoing**



## Other Projects



- ✈ **Dominican Republic - pending**
  - ✈ Air Traffic Control Officer (ATCO) training
  - ✈ Facilities for other organization training
- ✈ **France - pending**
  - ✈ Funding projects through IDB (Airport Master Plan and Control Tower Design Study)
  - ✈ Assistance from DGAC France upon request
- ✈ **Airports Council International (ACI) - pending**
  - ✈ Airport professional training
  - ✈ Airport equipment
- ✈ **Private Sector Proposals for terminal development**



## Objectives for Haiti Civil Aviation



- ✈ **Reconstruction and development of Haitian civil aviation system**
- ✈ **Implementation of safety and security oversight systems**
- ✈ **Provision of required facilities and services**
- ✈ **Compliance with ICAO Int'l Aviation Standards**
- ✈ **Increased traffic capacity and level of service**



## Next Steps




- ✈ ICAO/World Bank project start-up
- ✈ ICAO update Technical Cooperation project documents for review and acceptance by GoH
- ✈ GoH set aviation as a national priority and propose projects to potential donors
- ✈ GoH invite private sector proposals and ICAO assist in reviewing for strategic and technical due diligence
- ✈ GoH/ICAO to lobby potential donors
- ✈ GoH/Donors to consider ICAO Procurement Mechanism - Civil Aviation Purchasing Service (CAPS) – transparent process, ensure quality, lower cost, quicker implementation
- ✈ Next CASC meeting – April/May 2012





## Haiti Civil Aviation Steering Committee (CASC)





## APPENDIX C

**INTERNATIONAL CIVIL AVIATION ORGANIZATION  
HAITIAN CIVIL AVIATION DEVELOPMENT ACTION PLAN**

(Rev. 19 January 2012)

No.	Item Description	Haiti Organization	Donor State / Organization	Priority (1, 2, 3)	Cost Estimate (USD)	Phasing for Completion		
						2012	2013	2014 - 2015
1	New temporary Air Traffic Control Tower (TWR) or improvement of existing mobile TWR <sup>1</sup>	OFNAC	AAN (TBC)	1	700,000	X		
2	New VHF air-ground radio communication equipment for ACC and APP in "Tete Etang" remote station <sup>2</sup>	OFNAC	World Bank	1	750,000	X		
3	AMHS/ AFTN system including new FPL infrastructure, software and training <sup>3</sup>	OFNAC		1	500,000	X		
4	Back-up power Supply for existing ACC and Nav aids until new facilities and systems become operational <sup>4</sup>	OFNAC		1	500,000	X		
5	New DVOR and DME/Port-au-Prince Intl. Airport for terminal and enroute services <sup>5</sup>	OFNAC	World Bank	1	1,000,000	X		
6	Improve Aeronautical Information Management (AIM) Office, including a NOTAM Office, with the necessary facilities, equipment, training, communications, procedures, sufficient personnel, etc. and airport AIS office	OFNAC		1	350,000	X		
7	New Runway 10 Category 1 Approach Lighting System	OFNAC	World Bank	1	700,000	X		

<sup>1</sup> Improvements should include relocation for better visibility, communications, direct connection to commercial power supply, site preparation and measurements for severe weather conditions.

<sup>2</sup> This item includes redundant radio link, hot-standby radio transceivers for four frequencies to implement services (PAP APP, emergency, 2 PAP ACC) with remote control/monitoring system, antennae, antennae tower, redundant power supply, grounding and lightning protection and shelter.

<sup>3</sup> Item includes central system, user terminals, Web server, New flight Plan format compliance and network interfaces. It also includes training and documentation

<sup>4</sup> This item includes remote control and monitoring features available from the Equipment Room.

<sup>5</sup> This item includes shelter, power supply system, air conditioning, grounding and lightning protection, and devices for remote operational status information (for PAP TWR and PAP ACC) as well as remote control unit for the Technical Equipment Room. It should also include flight commissioning, on-site training, documentation and installation activities.

SECOND MEETING OF THE HAITI CIVIL AVIATION STEERING COMMITTEE (CASC)

C-2

No.	Item Description	Haiti Organization	Donor State / Organization	Priority (1, 2, 3)	Cost Estimate (USD)	Phasing for Completion		
						2012	2013	2014 - 2015
8	Upgrade primary and provide secondary power supply systems with required switch-over times for critical airport systems and lights	AAN	AAN	1	400,000	X		
9	New Runway 28 PAPI lights and system calibration	AAN	World Bank	1	150,000	X		
10	RFFS personnel protection equipment (75), fire proximity suits (12), self contained breathing apparatus (SCBA - 12) and air compressor for SCBA	AAN		1	750,000	X		
11	Construct Runway End Safety Areas (RESAs) for runway excursions	AAN	World Bank	1	350,000	X		
12	Temporary passenger processing facility including equipment and furniture	AAN	AAN/MTPTC	1	12,000,000	X		
13	Communication system linking the fire station with the TWR and rescue and fire fighting vehicles, to be integrated into the ACC Voice Switching System	AAN		1	250,000	X		
14	New Apron flood lighting	AAN		1	220,000	X		
15	Two perpendicular link taxiways between apron sides to runway	AAN		1	5,000,000	X		
16	Repair runway and taxiway surface, rehabilitation of apron pavement, and replace taxiway and apron edge lights and electrical connections.	AAN		1	5,000,000	X		
17	Replace and repair existing AVSEC equipment and provide maintenance. Provide EOD capability including equipment and training	AAN	U.S. TSA, IDB/AAN (part)	1	1,000,000	X		
18	New DVOR and DME/OBLEON Station for enroute service <sup>6</sup>	OFNAC	World Bank	1	1,000,000	X		

<sup>6</sup> Item includes shelter, redundant power supply system, air conditioning, grounding and lightning protection, and devices for remote information of operational status for PAP ACC as well as remote control unit for Technical Equipment Room. It should also include flight commissioning, on-site training, documentation and installation activities.



No.	Item Description	Haiti Organization	Donor State / Organization	Priority (1, 2, 3)	Cost Estimate (USD)	Phasing for Completion		
						2012	2013	2014 - 2015
19	New Instrument Landing System (ILS), Glide Path (GP) / DME and Localizer (LLZ) stations (Runway 10) <sup>7</sup>	OFNAC	World Bank	1	1,500,000	X		
20	Automatic Weather Observation System (AWOS) at Port-au-Prince Airport	OFNAC/CNM	WMO, MINUSTAH	1	200,000	X		
21	Illuminated signs for the movement area	AAN		1	500,000	X		
22	New DVOR and DME/Cap Haitien Intl. Airport for terminal and enroute services <sup>8</sup>	OFNAC	Government Loan BANDES	1	1,000,000	X		
23	New VHF air-ground radio communication equipment at "Vegie" remote station for PAP ACC and APP, and for Cap Haïtien TWR <sup>9</sup>	OFNAC	Government Loan BANDES	1	500,000	X		
24	Training of professionals (air traffic controllers, technicians and operators) and the development of procedures and manuals for air navigation services	OFNAC	World Bank, Dominican Republic, IATA (part), U.S. FAA, ICAO	1	3,000,000	X	X	
25	Training of airport professionals; development of procedures and manuals for airport operations and maintenance	AAN	U.S. TSA, Canada, IDB, OAS, ICAO, IATA, CASSOS / USTDA, ACI (part)	1	3,000,000	X	X	
26	New Air Traffic Control Tower (TWR) <sup>10</sup> (collocated with new ACC)	OFNAC		1	5,000,000			X
27	New passenger terminal building including apron expansion, link taxiways, public access roads and vehicle parking areas	AAN		1	200 million			X

<sup>7</sup> Item includes shelter, redundant power supply system, grounding and lightning protection and devices for remote operational status information for PAP TWR as well as remote control unit for Technical Equipment Room. It should also include flight commissioning, on-site training, documentation and installation activities.

<sup>8</sup> This item includes shelter, power supply system, air conditioning, grounding and lightning protection and devices for remote operational status information (for Cap Haïtien TWR and PAP ACC), as well as remote control unit for Technical Equipment Room. It should also include flight commissioning, on-site training, documentation and installation activities.

<sup>9</sup> This item includes redundant radio link, hot-standby radio transceivers for five frequencies to implement services (emergency, 2 PAP ACC, PAP APP and Cap Haïtien TWR) with remote control/monitoring system, antennae, antennae tower, redundant power supply, grounding and lightning protections, and shelter.

<sup>10</sup> This item includes structural cabling infrastructure, redundant power supply, grounding and lightning protection, TWR accessories, and equipment related to provision of air traffic control (ATC) services detailed in section "Proposed Equipment and Systems for TWR, ACC and Associated Facilities" (Attachment).

SECOND MEETING OF THE HAITI CIVIL AVIATION STEERING COMMITTEE (CASC)

C-4

No.	Item Description	Haiti Organization	Donor State / Organization	Priority (1, 2, 3)	Cost Estimate (USD)	Phasing for Completion		
						2012	2013	2014 - 2015
28	8 vehicles for OFNAC to access its facilities and perform maintenance and inspections	OFNAC		2	325,000	X		
29	Develop Aeronautical charts including a new WGS-84 Survey and publication considering the geoid undulation (EGM96) for THRs coordinates in the AIP and implementation of e-TOD	OFNAC		2	750,000	X		
30	10 airport operations, maintenance and security vehicles, vehicle and equipment spare parts, and security communications equipment	AAN		2	425,000	X		
31	Pavement sweeper for runway, taxiways and apron to maintain surfaces free of debris	AAN		2	200,000	X		
32	Provision of wire on top of perimeter wall and partial length perimeter security fence inside of existing wall. Secure perimeter drainage system	AAN	U.S. Southcomm (wire only)	2	900,000	X		
33	Upgrading of movement area drainage system	AAN		2	800,000	X		
34	Upgrade perimeter security road	AAN	MINUSTAH	2	11,000,000	X		
35	WIFS workstation and new NOAAnet workstation <sup>11</sup>	OFNAC/CNM		2	60,000	X		
36	Rubber removal and runway friction measurement equipment	AAN		2	200,000	X		
37	Airport perimeter security lighting including power supply in guard posts	AAN		2	800,000	X		
38	Upgrade water supply and fire hydrant system	AAN		2	500,000	X		
39	Wind shear detection equipment at Port-au-Prince runway end	OFNAC/CNM		2	200,000	X		
40	Cap Haïtien Intl. Airport upgrading and expansion	AAN	Government Loan BANDES	2	30,000,000	X	X	

<sup>11</sup> This communications system will change on 30 June 2012, to the WAFS Internet File Server (WIFS), which will use the Internet to transmit all WAFS products to all States in the CAR/SAM Regions. Therefore, for this item only a good workstation and a fast Internet connection are required, which will lower the cost.

No.	Item Description	Haiti Organization	Donor State / Organization	Priority (1, 2, 3)	Cost Estimate (USD)	Phasing for Completion		
						2012	2013	2014 - 2015
41	Equipped Search and Rescue (SAR) Regional Coordination Centre (RCC)	OFNAC		2	1,000,000		X	
42	Updating of National Civil Aviation Security Programme, quality control, training, contingency, airport security and facilitation programmes	OFNAC	IDB (part)	2	150,000		X	
43	Rehabilitate Runway 10/28 and taxiway pavement and upgrade airfield ground lighting (AGL)	AAN		2	18,000,000		X	
44	New RFFS Station to provide direct access to runway and comply with required response times	AAN		2	1,500,000		X	
45	Surveillance system that may be, according to study, a Wide Area Multilateration System (WAM) with ADS-B capability receivers or a 2-channel Monopulse Secondary Surveillance Radar (MSSR) station with double motor and double encoder configuration <sup>12</sup>	OFNAC	Government Loan BANDES	2	4,000,000		X	
46	New Area Control Centre (ACC) building (collocated with new TWR) <sup>13</sup>	OFNAC		2	6,000,000			X
47	Runway visual range (RVR) at Port-au-Prince Intl. Airport	OFNAC/CNM		3	200,000	X		
48	Security CCTV System for perimeter, aprons and boundary facilities with a CCTV Control Centre	AAN		3	3,000,000	X		
49	MEVA VSAT node at Cap Haïtien <sup>14</sup>	OFNAC		3	150,000		X	
50	Parallel taxiway (could be phased with initial partial length to west runway end) and rapid exit taxiway	AAN		3	20,000,000			X

<sup>12</sup> MSSR item includes site preparation, radome, radar tower, radio link to communicate signal, parrot to be located at PAP, redundant power supply and lightning and electric protection, grounding, flight commissioning, installation, documentation and training.

<sup>13</sup> Item includes structural cabling infrastructure, redundant power, grounding and lightning protection and equipment for provision of air navigation services (ANS) as detailed in section "Proposed Equipment and Systems for TWR, ACC and Associated Facilities" (**Attachment**). This item also includes hardware/software MEVA node expansion, transferring the existing MEVA VSAT station to new ACC, and integration of the circuits into the VCSS.

<sup>14</sup> Item includes redundant power supply and electric/ lightning protection.

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**ATTACHMENT TO APPENDIX C**  
**PROPOSED EQUIPMENT AND SYSTEMS FOR TWR, ACC AND ASSOCIATED FACILITIES**

**1. New PAP TWR Control Room**

- ATC consoles for four positions (Aerodrome, Ground, Clearance Delivery and Supervisor)
- VHF air-ground radio communication system, including primary and back-up equipment for TWR and back-up APP (hot-standby radio transceivers for four frequencies to implement: PAP TWR, emergency, PAP APP, surface movement/general purpose)
- Back-up ground-ground communication system
- Voice Communication Switching System (VCSS) (this may be part of the ACC VCSS)
- Other radio communication systems
- Display of Automated Weather Observation System (AWOS)
- Navaid status display
- ATC devices, including light gun, binoculars, etc.
- Crash alarm system
- Time information displays
- Flight plan processing system position (strip printer and computer)
- Air traffic display
- AMHS terminal equipment
- Other auxiliary communication equipment and devices

**2. New PAP ACC Control Room**

- ATC consoles for ACC and APP functions (Cap Haïtien will be an APP Sector) including air traffic displays, VCSS touch screens, flight plan displays, flight plan strip printers, MET/AIS positions, etc.
- The ATC system will have Cap Haïtien as a remote sector as well as remote radar displays in PAP and CAP TWRs for which the necessary communications means are to be included
- VHF air-ground radio communication system, including primary and back-up for APP and ACC (hot-standby radio transceivers for four frequencies to implement PAP APP, emergency, 2 PAP ACC)
- Back-up ground-ground communication system
- Navaid status panel for APP control position
- Time information displays
- AMHS terminal equipment
- ATC operational supervisor position
- Other auxiliary communication equipment and devices

### **3. Technical Room of the ACC and TWR**

- Voice Communication Switching System (VCSS) and voice recorder for TWR/APP/ACC
- Automated System: flight data processors (FDP), surveillance data processors (SDP) with enough capacity to include radar feeds from adjacent FIRs (Dominican Republic, Cuba, etc.) and ADS-B and multilateration feeds, data recording
- VHF air-ground radios for TWR, APP and ACC functions, including interface system linked to the remote VHF stations
- Radio link system with “Tete Etang” and other VHF remote stations and surveillance remote stations
- Central automated ATC flight plan processing equipment
- Ground-ground central system, including interface linked with national airports
- Common clock for time distribution system
- ILS and VOR/DME remote control / status system
- AMHS central system, including Web server and network interfaces
- MEVA VSAT station for international and Cap Haïtien aeronautical telecommunication
- Cable interconnection and patch panel modules
- Other communication and ATC auxiliary systems
- Electric, grounding and lightning protection system

### **4. Power Supply Rooms**

- UPS True On-line units for power supply of the central equipment of Technical Room with capacity for autonomous service
- Acid-seal battery set
- Electric generators
- Other auxiliary equipment

### **5. Monitoring and Control System**

- Surveillance, radio, navaid, UPS and other electronic monitoring displays
- ATC technical supervisor position
- Personal computers
- Interconnection and distribution system
- Other auxiliary equipment and devices



International Civil Aviation Organization


## Second Meeting of the Haiti Civil Aviation Steering Committee (CASC/2)

Port-au-Prince, 18 January 2012

### ICAO/TCB Procurement Procedures and Mechanisms

**Marie-Ange NYSSSEN**  
Procurement Officer, ICAO/TCB

## Agenda



- 1 ICAO/TCB/PRO Organization
- 2 Principles of Procurement at ICAO as a UN Agency
- 3 Procurement Process
- 4 Methods of procurement / Evaluation/Approval Process

CASC/2, 18 January 2012

## ICAO Secretariat

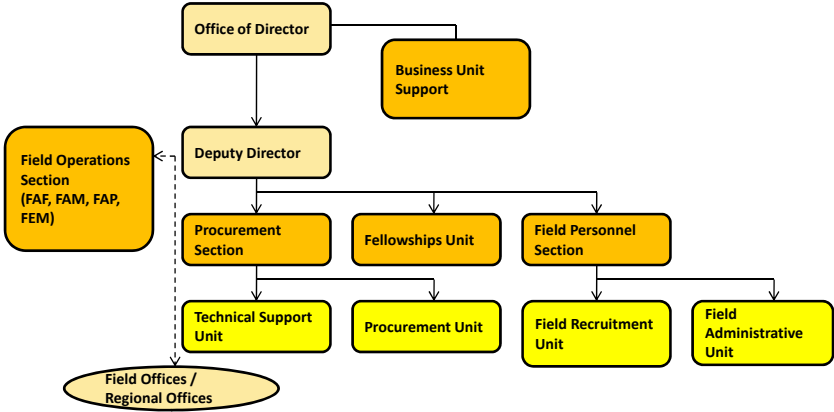
Managed by the Secretary General, nominated by the Council

Consists on five main Bureaux

- Air Navigation Bureau, ANB
- Air Transport Bureau, ATB
- Administration and Services Bureau, ADB
- Legal Bureau, LEB
- **Technical Co-operation Bureau, TCB**

CASC/2, 18 January 2012

## Technical Co-operation Bureau (TCB)




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graph TD
    OD[Office of Director] --> DS[Deputy Director]
    OD --> BUS[Business Unit Support]
    DS --> FOS[Field Operations Section  
(FAF, FAM, FAP, FEM)]
    DS --> PS[Procurement Section]
    DS --> FU[Fellowships Unit]
    DS --> FPS[Field Personnel Section]
    PS --> TSU[Technical Support Unit]
    FPS --> FRU[Field Recruitment Unit]
    FPS --> FAU[Field Administrative Unit]
    FOS -.-> FRO([Field Offices /  
Regional Offices])
    TSU -.-> FRO
    FRU -.-> FRO
    FAU -.-> FRO
    
```

**Technical Support from other Bureaux of ICAO**  
**Personnel: 60 in TCB and 23 in RP**  
**Consultants and Technical Experts: 560 international and 1,500 national annually**

CASC/2, 18 January 2012


## Procurement Section




<p>Technical Support Unit</p> <ul style="list-style-type: none"><li>• <b>Technical Specifications</b></li><li>• <b>Budgetary Estimates</b></li><li>• <b>Technical Negotiations</b></li><li>• <b>Factory &amp; Site Acceptance</b></li><li>• <b>Field Support</b></li></ul>	<p>Procurement Unit</p> <ul style="list-style-type: none"><li>• <b>Procurement of Goods &amp; Services</b></li><li>• <b>Tendering</b></li><li>• <b>Contract Preparation</b></li><li>• <b>Contract Administration</b></li><li>• <b>Financial Management</b></li><li>• <b>Liaise with Field Ops. / Field Staff</b></li><li>• <b>Liaise with States &amp; CAA</b></li></ul>
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5

## Infrastructure and Services



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



CASC/2, 18 January 2012



## Air Navigation Equipment



- TOWER EQUIPMENT**  

- RADARS**  

- SIMULATORS**  

- SAT COMM**  

- CONTROL CENTERS**  
  

- NAV AIDS**  


CASC/2, 18 January 2012

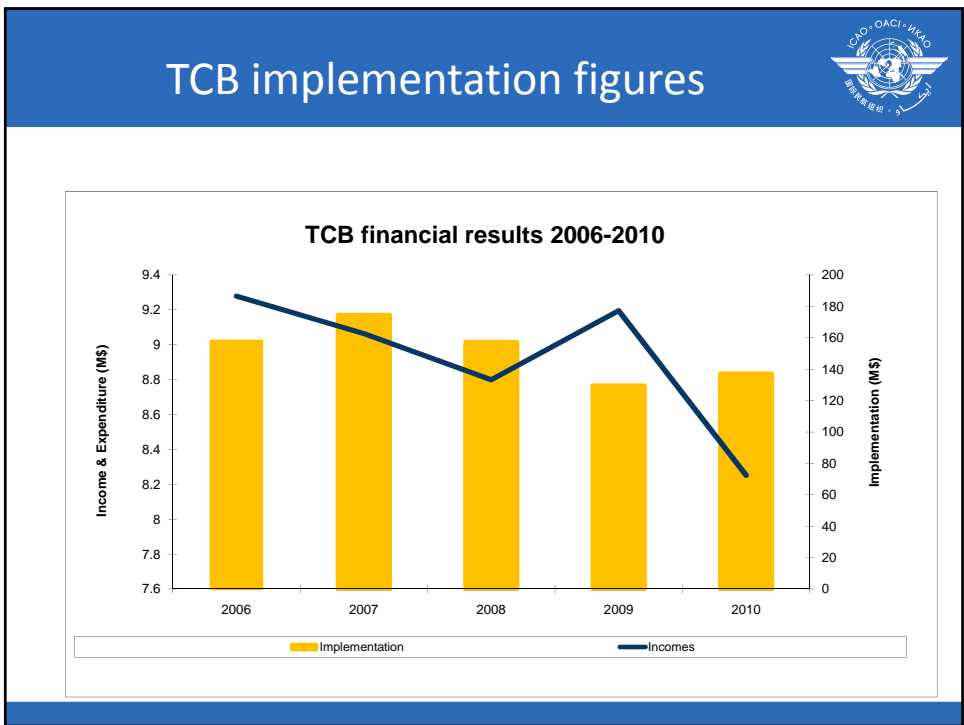
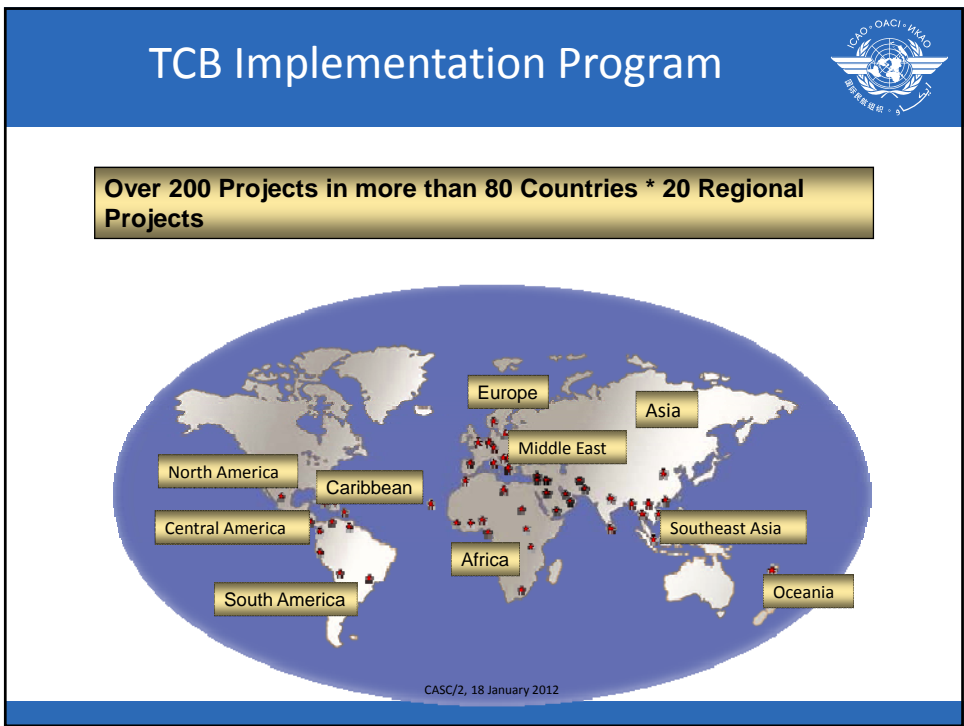
## Airport Equipment




- Special equipment
- Boarding bridges
- Fire fighting equipment
- Automated systems
- Modernization works


CASC/2, 18 January 2012




# Agenda



- 1 ICAO/TCB/PRO Organization
- 2 Principles of Procurement at ICAO as a UN Agency
- 3 Procurement Process

CASC/2, 18 January 2012

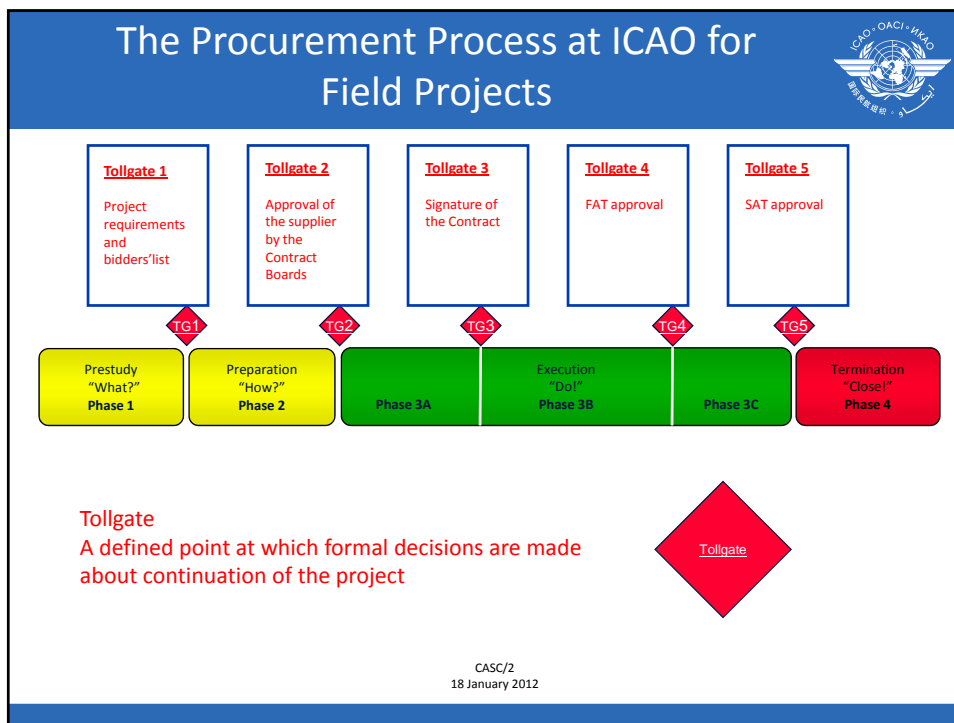
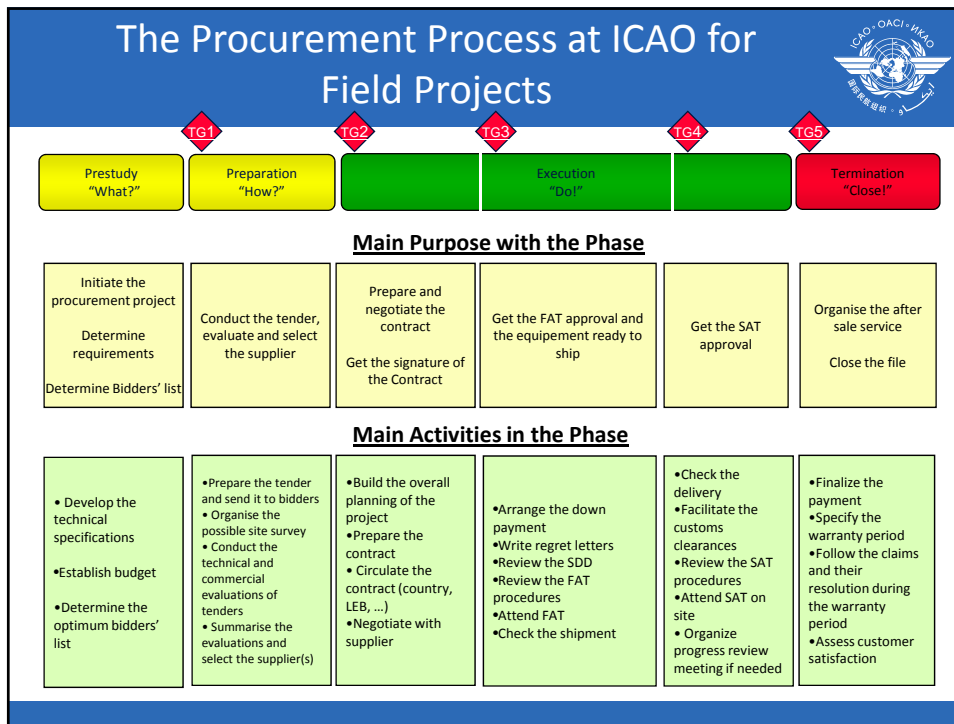
## Principles of Procurement at ICAO as a UN Agency




- Best value for money
- Integrity (ethics)
- Accountability (audit trail)
- Fairness (vis-à-vis suppliers)
- Transparency (clear instructions/advertising)
- Effective competition (open tendering)

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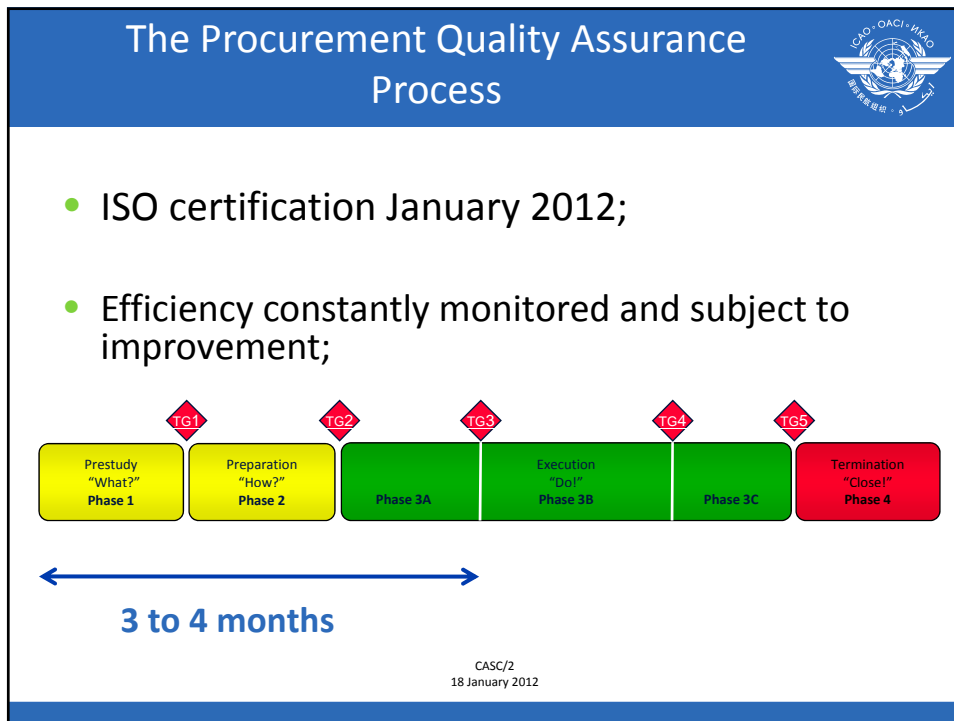


## The Procurement Quality Assurance Process



PHASE 1 : Pre-Study			
N°	ACTIVITY	END DATA	Check
<b>1 PROJECT FILE</b>			
1.1	Determine the end-users needs	Planning, key dates, quantities obtained from the customer Sole Source Determination form obtained from the customer if applicable: P-PRO-020-F1 Purchase Requisition obtained from Field Section: Agresso Category code and specific description of the Purchase Requisition reviewed for correctness	
1.2	Structure the project	Buyer designated for the project Money available on the project account to start preliminary procurement actions (to be requested if not) Sole Source Determination form approved by C/PRO if applicable: P-PRO-020-F1 TAR issued to obtain Technical Specifications and Technical Evaluation Criteria: P-PRO-100-F1 Formal criteria completed Expert and associated cost to write the specifications approved by the customer if applicable Budgetary price established (price of the equipment/service (with I&F) + O/H + TSS + PLJ)	
1.3	Obtain approval for the procurement	Technical Specifications, evaluation criteria and budget sent to the customer: P-PRO-020-F2 Approval of the Technical Specifications, Evaluation Criteria and Budget by the customer	
1.4	Review the project	PR summary updated: G/PRO/z - pr summaries Decision to end phase reviewed	
<b>2 TECHNICAL PART</b>			
2.1	Analyse the need	Basic technical needs obtained from the customer Expert requested to write the Specifications and Evaluation Criteria Suitable and qualified expert identified and engaged Site survey organized if needed	
2.2	Define the solution	Technical specifications with technical evaluation criteria written	
2.3	Estimate the cost	Technical specifications approved by TO Estimated price of the Equipment/Service defined TSS fee calculated: P-PRO-070 (in progress)	
2.4	Define the bidders	List of possible suppliers established (panel)	

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## Involvement of the end-user



- At any stage of the procurement process (establishment of the requirement, tendering process, evaluation and contractual negotiation; project management);
- Can request one or more steps of the process or the whole procurement as turn key;
- Always the ultimate decision maker.

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- 1 Procurement definition
- 2 Principles of Procurement at ICAO as a UN Agency
- 3 Procurement Process
- 4 Methods of procurement / Evaluation / Approval Process**

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## Solicitation Methods at ICAO

THRESHOLD	< \$100,000	> \$100,000
METHOD	REQUEST FOR QUOTATION (RQ)	SEALED TENDER (ST)

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## Open and competitive tendering

- All procurements > \$10,000 are:
  - tendered through ICAO HQs;
  - advertised on ICAO Bulletin Board;
  - open to any supplier.

**Suppliers can add themselves to the bidders list directly.**

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## Registration of Suppliers



- ICAO database of more than 3000 suppliers of civil aviation equipment and/or services;
- Suppliers can self register on ICAO's tendering website:  
<http://www.icao.int/procurement>
- No registration fee

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## Evaluation



**Based on the evaluation criteria of the specifications/TOR:**

Goods:

- pass/fail
- Lowest priced technically responsive offer

A sample evaluation table is shown, with a large 'SAMPLE' watermark overlaid. The table has multiple columns and rows, likely representing different evaluation criteria and their corresponding scores or weights. The text is too small to read clearly, but it appears to be a structured table used for procurement evaluation.



Services:

- Price and quality through scoring
- Highest overall financial and technical score

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## Supplier vetting


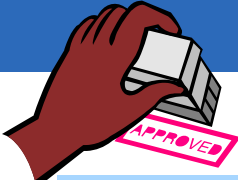



Ensure that the supplier has


- ✓ adequate financial resources to perform the contract
- ✓ comply with ICAO General Terms and Conditions
- ✓ a satisfactory performance record
- ✓ the necessary organization, experience, accounting and operational controls, appropriate insurance and technical skills
- ✓ the necessary technical experience, equipment, facilities, production capacity

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## Approval Process

PROCUREMENT VALUE	DESIGNATED AUTHORITY
< \$10,000	Allotment Holder
< \$99,999 (\$49,999 sole source)	Allotment Holder
\$100,000 to \$199,999 (\$50,000 sole source)	Contracts Board (recommended by C/PRO)
> \$200,000	SECRETARY GENERAL (recommended by CB)
> \$3,000,000: physical meetings of Contracts Board	



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## Some successful examples



- Building a new airport in a period of 19 months
- Facilitation of the transition from military to civil aviation authority / Establishment of new autonomous civil aviation authorities
- Airport and air traffic management in conflict situations
- Rehabilitation of runways and construction of new hangar facilities
- Support to governments in the surveillance of airport concession processes
- Master plans associated to the air transport and the tourism sector
- Procurement of 55 ARFF vehicles and associated equipment, 22 PBB, 3 BHS, 4 ACC and flight simulators, 24 radars, 2 ADS-B, 35 VOR/DME, 5 ILS, 3 AMHS, two complete overhaul of aircraft, 2 complete country VSAT networks, more than 100 different security equipment and surveillance systems procured during the last 3 years.

## THANKS FOR YOUR ATTENTION !



Any questions?

[procurement@icao.int](mailto:procurement@icao.int)

### Reference material:

- ICAO Procurement Code (1 November 2010)
- ICAO Procurement Procedures Manual
- UNDP Procurement Certification Level 2 course material