PREPARATION FOR ICAO USOAP CMA AUDIT IN VIET NAM LESSON LEARNED

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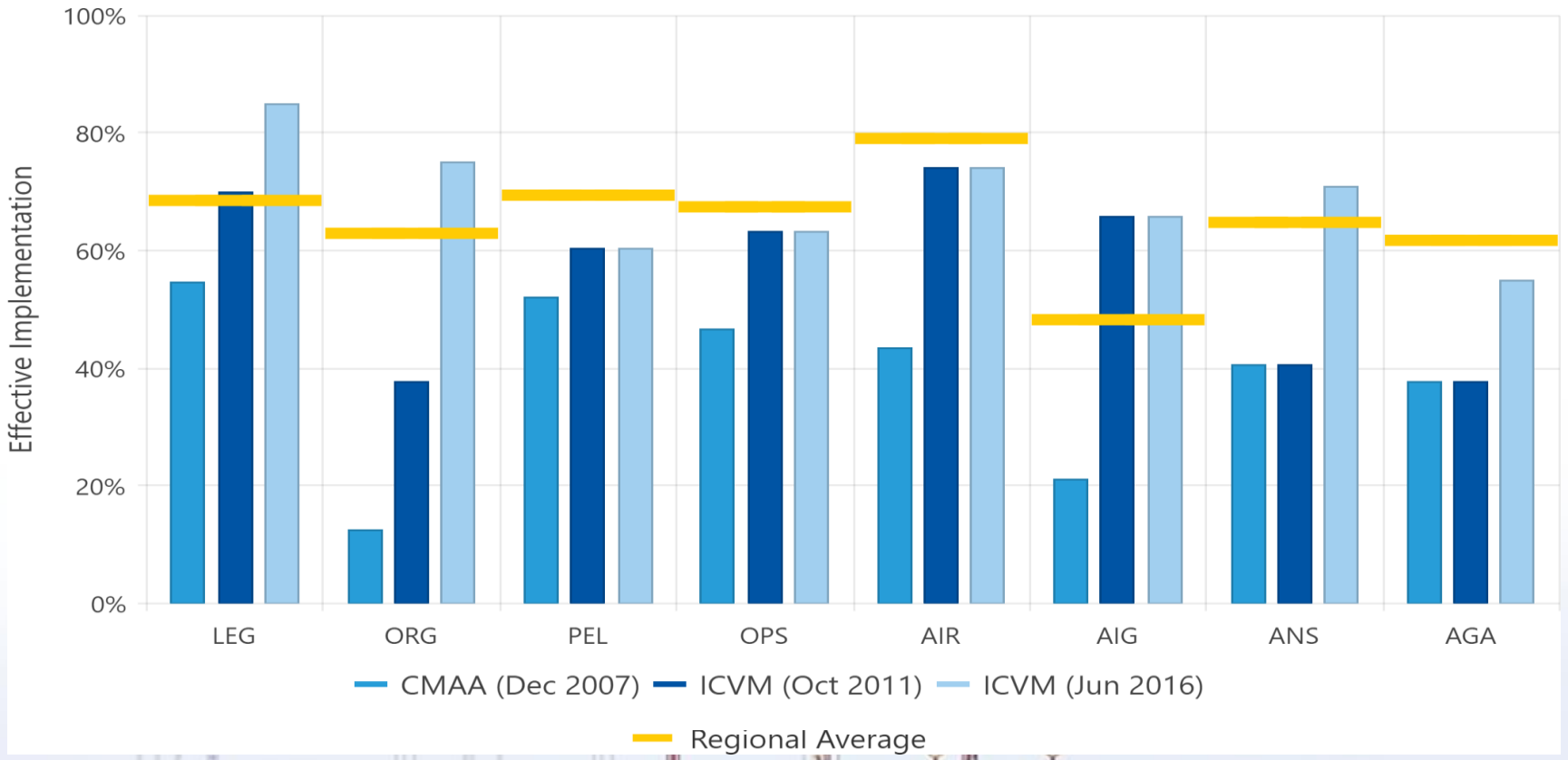
USOAP CMA AUDIT IN VIETNAM

1. *Duration: 15 – 27 May 2024*
2. *Audit scope: LEG/ORG/PEL/OPS/AIR /AIG/ANS/AGA*
3. *AGA Industry Visit: Noi Bai International Airport*

EFFECTIVE IMPLEMENTATION

ICVM 2016



EFFECTIVE IMPLEMENTATION

ICVM 2016

- **Overall : 67,49%**
- **AGA: 58,04%**

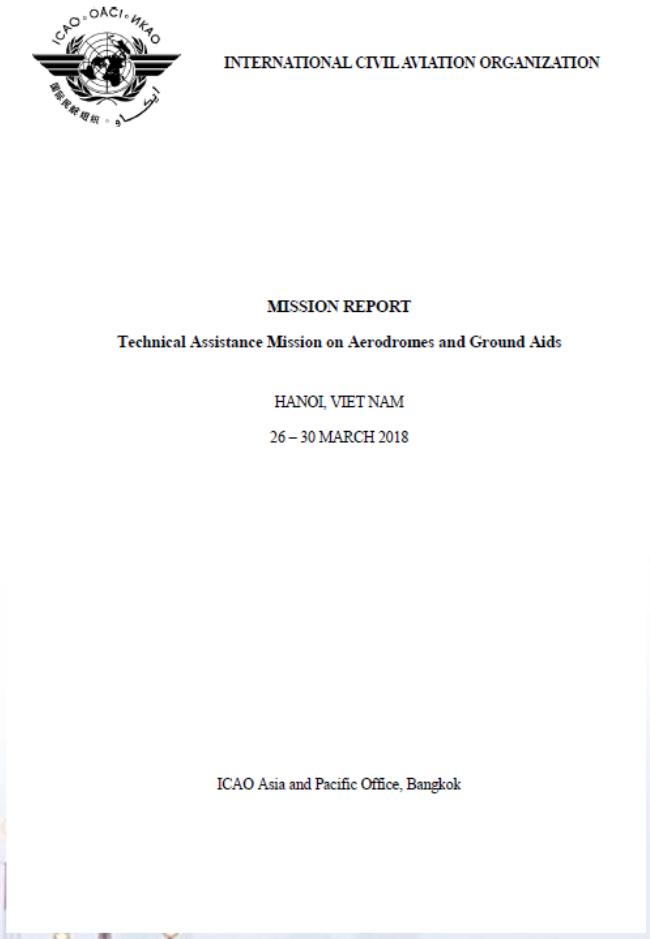
AUDIT 2024

- **Overall: 77.1%**
- **AGA: 83.5%**

LESSON LEARNED

EARLY PREPERATION

- CAAV requested for Technical Assistance from ICAO APAC in 2017:
  - TA mission conducted in Vietnam from 26-30 Mar 2018



INTERNATIONAL CIVIL AVIATION ORGANIZATION

MISSION REPORT

Technical Assistance Mission on Aerodromes and Ground Aids

HANOI, VIET NAM

26 – 30 MARCH 2018

ICAO Asia and Pacific Office, Bangkok

EARLY PREPERATION

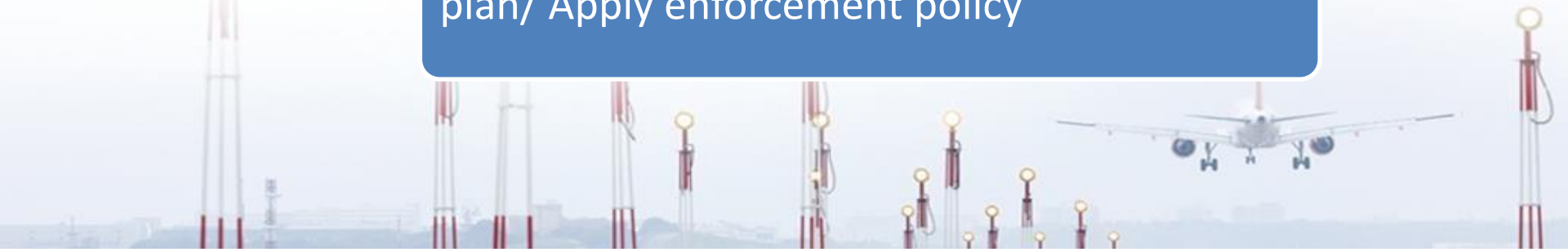
- CAAV Mission to ICAO APAC:
  - Mission conducted in BKK from 02-10 July 2018

ROADMAP SET UP

Update Legal system/Establish documents/ Conduct recruitment and training

Re-certify aerodromes

Carry-out inspection & surveillance plan/ Apply enforcement policy



INTERNATIONAL COOPERATION

COSCAP-SEA/CAT missions to Vietnam:

- 30 July - 03 August 2018
- 02 - 06 December 2019
- 17 - 21 July 2023
- 08 - 12 Jan 2024

*****Generic Guidance Materials from ICAO APAC really helpful**

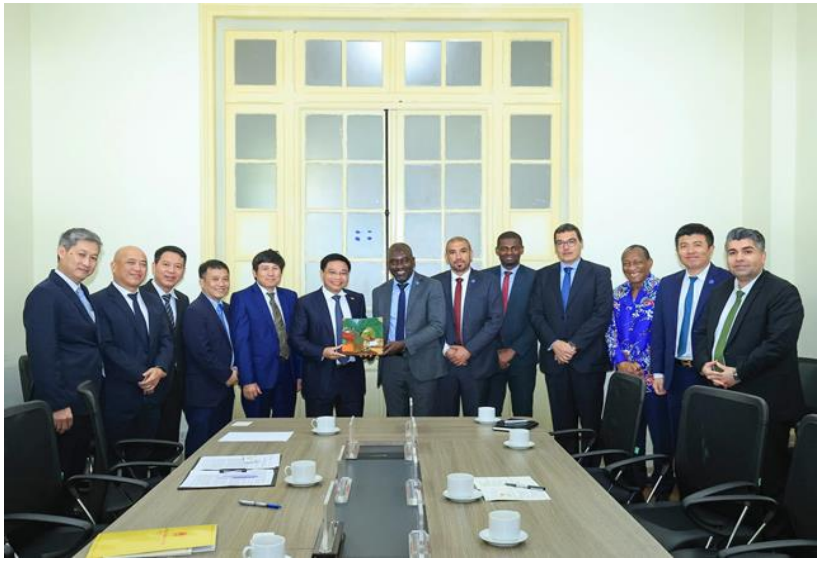
MOCK-UP AUDIT

Conducted in Vietnam from 19-22 April 2024:

- Techniques to respond to PQs
- Key requirements of the PQs
- Evidence to show to the PQs
- Review the preparation for operator (industry visit)

COMMITMENT FROM LEADERS

- Transport Minister welcomed Audit Team



- CAAV’ s leaders welcomed Audit Team

DIRECTION TO OPERATOR

THANK YOU

ACV | AIRPORTS CORPORATION OF VIETNAM

ACV

NOI BAI INT'L AIRPORT

22 AIRPORTS OF ACV

- 09 INT'L AIRPORTS
- 13 DOMESTIC AIRPORTS

CAM RANH INT'L AIRPORT

Hoang Sa
(Paracel Islands)
Da Nang, Vietnam

DA NANG INT'L AIRPORT

PHU QUOC INT'L AIRPORT

Truong Sa
(Spratly Islands)
Khanh Hoa, Vietnam

TAN SON NHAT INT'L AIRPORT

GLOBAL CONNECTIVITY

ASIA

170 ROUTES TO COUNTRIES

Brunei	Myanmar
Cambodia	Japan
Taiwan	Philippines
Korea	Singapore
Hong Kong	Thailand
Indonesia	China
Laos	Malaysia

AFRICA

CONNECTING TO CITIES

South Africa	Egypt
Johannesburg (JNB)	Cairo (CAI)
Cape Town (CPT)	

EUROPE

13 ROUTES TO COUNTRIES

Germany	Russia
France	Finland
Turkey	Switzerland
England	

NORTH AMERICA

CONNECTED TO CITIES

Canada	USA
Vancouver (YVR)	New York (JFK)
Montreal (YUL)	LA & California (LAX)
Quebec (YQB)	Houston (IAH)
	San Francisco (SFO)

CENTRAL SOUTH AMERICA

CONNECT TO COUNTRIES

Cuba (HAV)	Peru
	Mexico

Brazil	Argentina
Sao Paulo (GRU)	Buenos Aires (EZE)
Rio De Janeiro (GIG)	

MIDDLE EAST

03 ROUTES TO CITIES

Abu Dhabi, Dubai (UAE)	Doha (Qatar)

AUSTRALIA

03 ROUTES TO CITIES

Australia	New Zealand

From 21 Airports in Vietnam to more than

200

CITIES OF

40 countries and territories

ACV AIRPORTS CORPORATION OF VIETNAM

PREPARATION FOR ICAO USOAP CMA AUDIT 2024

PREPARATION FOR ICAO USOAP CMA AUDIT 2024

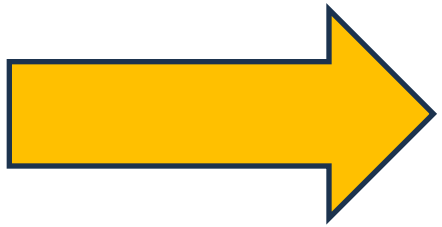
- **USOAP CMA AUDIT PLAN for VIETNAM:** 15 -27 MAY 2024 (including 1 day of industry visit)
- **AUDIT SCOPE:** LEG/ORG/PEL/OPS/AIR/AIG/ANS/AGA
- **AGA Industry Visit**: Noi Bai International Airport

PREPARATION FOR ICAO USOAP CMA AUDIT 2024

- **AGA PROTOCOL QUESTIONS RELATED INDUSTRY VISIT**
  - Bird and Wildlife Control
  - Rescue and Firefighting Service (PQ 8.293, PQ 8.301, PQ 8.307, PQ 8. 311, PQ 8. 313, PQ. 8.315, PQ 8.317, PQ 8.319)
  - Removal of Disabled Aircraft (PQ 8.321)
  - Airfield Lighting System (PQ 8.179)
  - Frangibility and height restriction requirements for equipment or installations located near or on a runway, on the non-graded portion of a runway strip (PQ 8.191)

PREPARATION FOR ICAO USOAP CMA AUDIT 2024-LESSON LEARNED

- Coordinated with the CAAV to review all contents that did not meet the previous assessment (ICVM Audit 2016)
- Reviewed all ICAO Standards and Recommendations, Vietnam Regulations and Noi Bai's Work Procedures and Instructions to check for Compliance/Non-Compliance
- Reviewed CAAV's recommendations from past audits/inspections and from the issuance of airport operating certificates process



DEVELOPED AN ACTION PLAN

PREPARATION FOR ICAO USOAP CMA AUDIT 2024-LESSON LEARNED

- **Developed an Action Plan from Non-Compliance list, Including:**
  - Revised outdated documents
  - Collected evidence/proof of work
  - Speeded up purchasing plan, investments on facilities, equipment
  - Conducted training and response testing for staffs
  - Maintained strict maintenance plan and inspections
  - Conduct Aeronautical Study/Risk Assessment for Non – Compliance
- **Conduct Mock Audit from ICAO Auditor arranged by COSCAP - SEA**

PREPARATION FOR ICAO USOAP CMA AUDIT 2024-LESSON LEARNED

Bird and Wildlife Control

- **Auditor reviewed onsite and collected all information related to Bird and Wildlife Control Program**
- **Records needed:**

- Methods to manage and control bird and wildlife in the vicinity of the airport.
- Proof of coordination with local authorities for inspections and management of bird control in the vicinity of the airport.
- Records of collection, analysis and risk assessment of birds found in the vicinity of the airport.

BIRD AND WILDLIFE CONTROL

PREPARATION FOR ICAO USOAP CMA AUDIT 2024-LESSON LEARNED

Emergency & RFF Training and Testing

- **Auditor conducted assessment at the Fire Station and reviewed all records related to RFF at the airport**
- **Fire station inspection:**
  - Assessed the actual status of the Airport's firefighting equipment and emergency equipment and communication systems
  - Response time of firefighting personnel to be fully equipped with the necessary protective clothing and respiratory equipment
  - Response time for firetrucks to arrive at the RWY
  - Direct interview with firefighters about their knowledge

PREPARATION FOR ICAO USOAP CMA AUDIT 2024-LESSON LEARNED

Emergency & RFF Training and Testing

- **Records needed:**
- Annual emergency drill/test records (drill plans, photos and minutes of lessons learned); files arrangement should be reasonable for quick search
- Firefighter training records (Prepare records for each employee: Initial training records, periodic training, on-site training, pressure-fed fuel training)
- Records of periodic inspection of response times of fire trucks and firefighters
- Records related to the maintenance firefighting rescue equipments and fire trucks
- Task and Resource Analysis (TRA) to determine minimum number of fire firefighters

EMERGENCY & RFF TRAINING AND TESTING

Qual-eFire
QUALIFY FOR LIFE

ACI
AIRPORTS COUNCIL INTERNATIONAL

EMERGENCY & RFF TRAINING AND TESTING

REMOVAL OF DISABLED AIRCRAFT TRAINING

PREPARATION FOR ICAO USOAP CMA AUDIT 2024-LESSON LEARNED

Airfield Lighting System

- **Auditor assessed the lighting system operation at TWR and the monitoring of the system by the airport**
- **Records needed:**
  - Documents related to maintenance of lighting system
  - Procedures for monitoring and repairing damaged lighting system (Proof documents)
  - Direct interview with staff about the lighting system monitoring mechanism

AIRFIELD LIGHTING SYSTEM

PREPARATION FOR ICAO USOAP AUDIT 2024 – LESSON LEARNED

LESSON LEARNED

- The industry visit is fast-paced -> BE PREPARED
- Collection of proof of work/evidence -> MAKE IT EASY FOR AUDITOR
- Awareness -> MAKE SURE STAFF OF ALL STAKEHOLDERS ARE AWARE OF THE AUDIT
- STRICT MAINTENANCE AND INSPECTIONS UP TO THE DATE OF AUDIT
- KEEP CALM AND SHOW CONFIDENCE

ACV AIRPORTS CORPORATION OF VIETNAM

Cat Bi International Airport

Buon Ma Thuot Airport

Chu Lai Airport

Pleiku Airport

Tho Xuan Airport

Phu Cat Airport

Noi Bai International Airport

Can Tho International Airport

Con Dao Airport

Da Nang International Airport

Rach Gia Airport

Ca Mau Airport

Tan Son Nhat International

Vinh International Airport

Dien Bien Airport

Lien Khuong Airport

Phu Quoc International Airport

Phu Bai International Airport

Dong Hoi Airport

Tuy Hoa Airport

Cam Ranh International Airport

THANK YOU!