

Cooperation beyond the Horizon

AFCAC & The Republic of Korea

November 29, 2010



**Ministry of Land,
Transport and Maritime Affairs**

Contents

I. Evolution of ICAO USOAP

II. Safety Audit Update

III. USOAP Experience

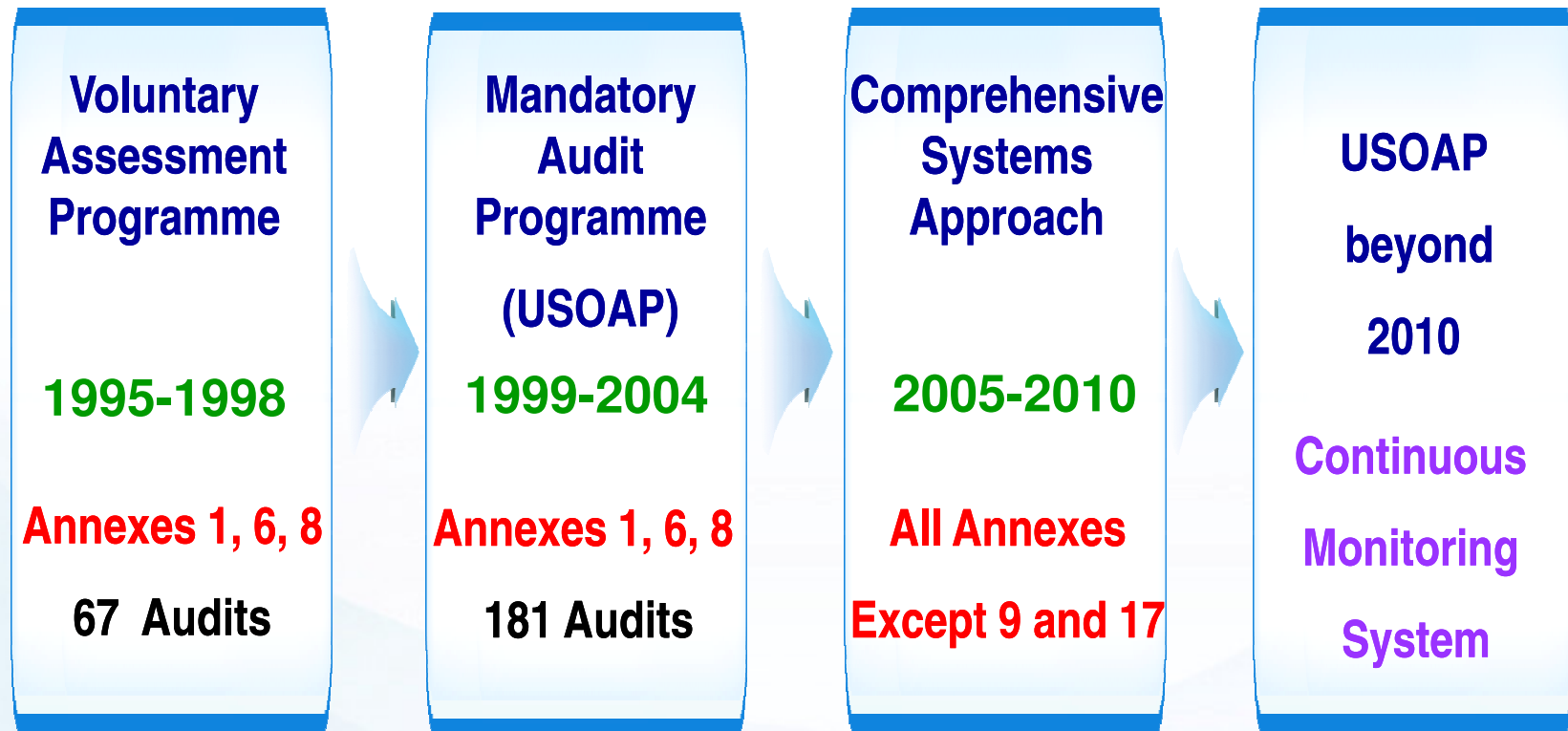
IV. Fellowship Training

V. NAVAIDs

VI. Airport Operation

VII. Future Cooperation

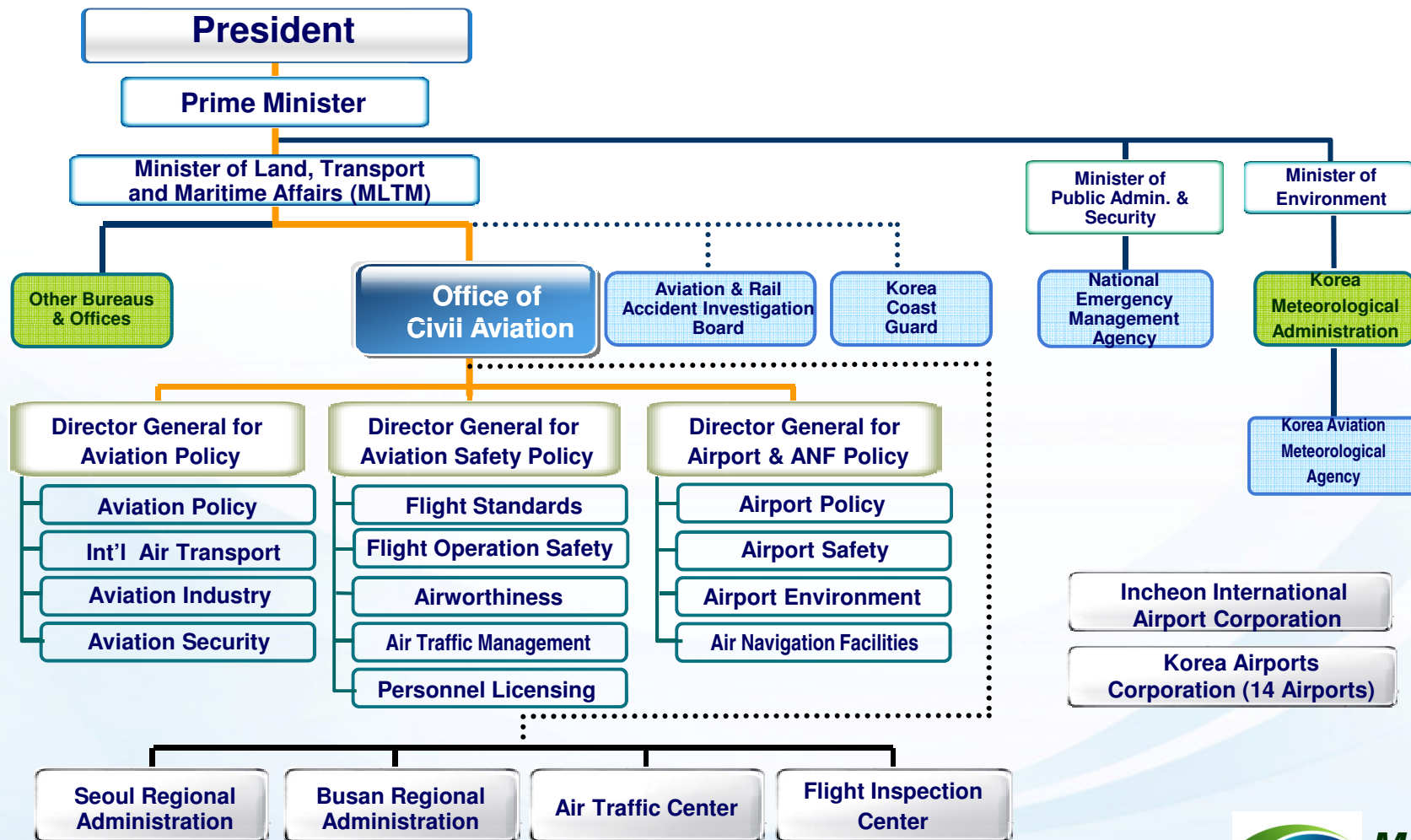
I. Evolution of ICAO USOAP



III. USOAP Experience – R.O.K.

Establishment of Sound Safety Oversight System

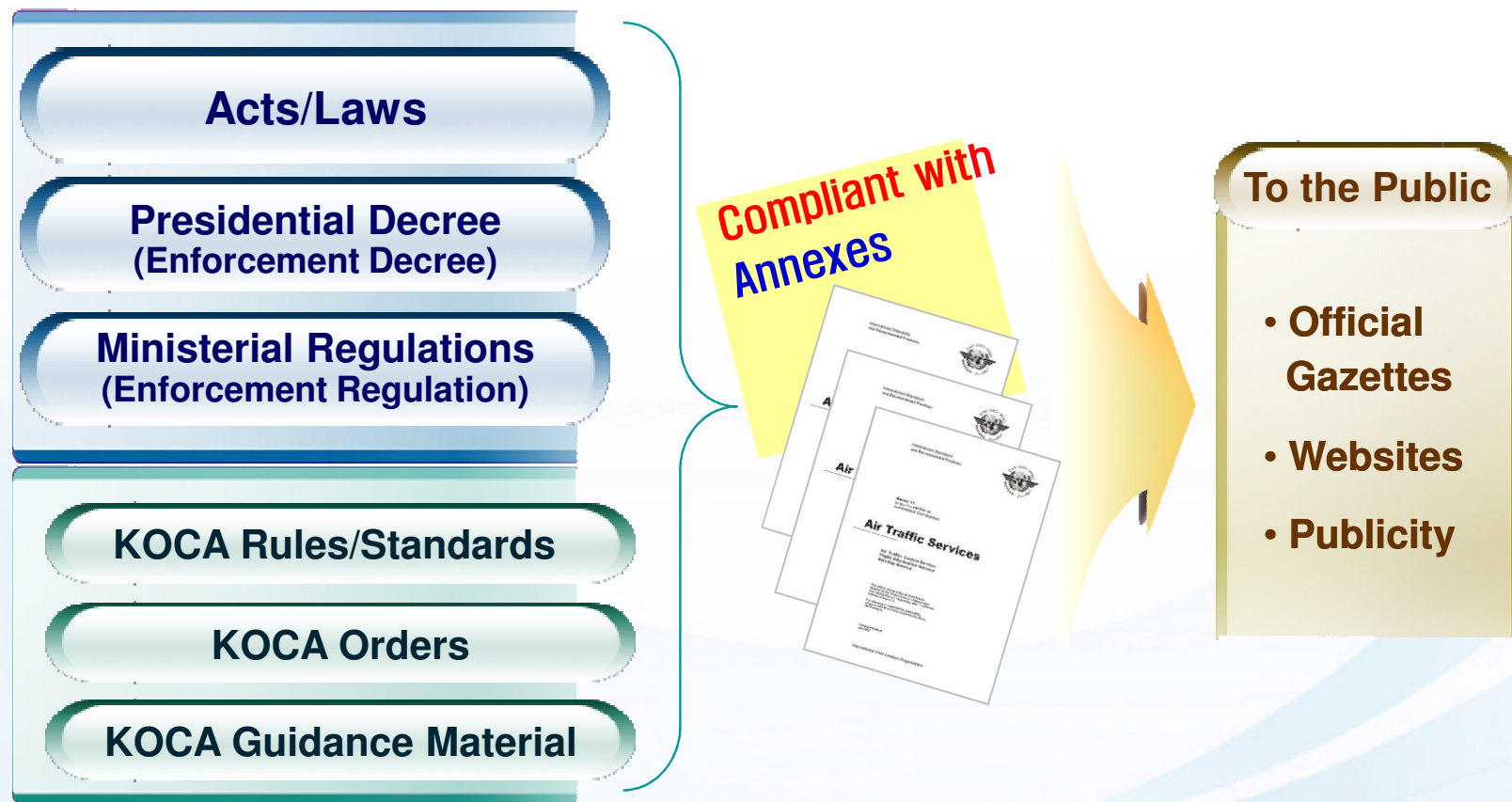
- Reorganize civil aviation safety oversight structure



III. USOAP Experience – R.O.K.

Establishment of Sound Safety Oversight System

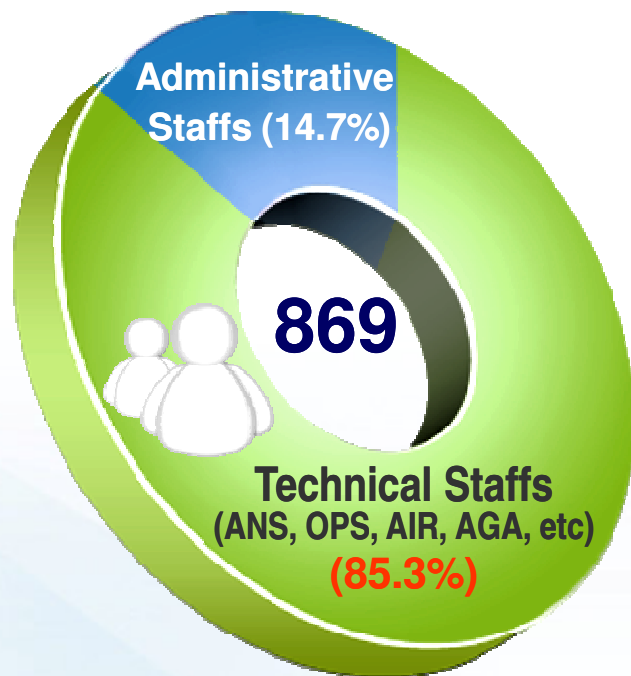
- Amend and refine aviation legislation and regulations in compliance with ICAO SARPs



III. USOAP Experience – R.O.K.

Establishment of Sound Safety Oversight System

▪ Recruit qualified personnel and secure budget



• **Operations Inspectors**
(Flight Operations, Cabin Safety, Flight Dispatch, Transport of DG)

• **Airworthiness Inspectors**
• **Aircraft Engineers**

• **Air Navigation Inspectors**
- ATS, AIS, Chart, CNS, PANS-OPS

• **Aerodrome Certification Inspectors**

US\$ 100 million budget for

Inspections, Training, International Cooperation, Noise abatement, Operating Expense, Equipment, etc.

III. USOAP Experience – R.O.K.

Establishment of Sound Safety Oversight System

- **Develop and implement training programme**

- For all safety inspectors and technical staffs
- At domestic/international training organizations
- Annual training budget : US\$ 1.5 million



Establishment of Sound Safety Oversight System

Air Operator Certificate



III. USOAP Experience – R.O.K.

Establishment of Sound Safety Oversight System

- Conduct inspections, checks and audits



III. USOAP Experience – R.O.K.

Establishment of Sound Safety Oversight System

- Develop and operate data management system



- **SARPs Management and Implementation System (SMIS)**

- Real time management of national regulations in compliance with international standards

III. USOAP Experience – R.O.K.

Accomplishment with the USOAP

R.O.K. USOAP
May 13–22
2008



- World's best implementation rate
- No fatal air accident
- Sharing the USOAP experiences

Technical Assistance
Receiver

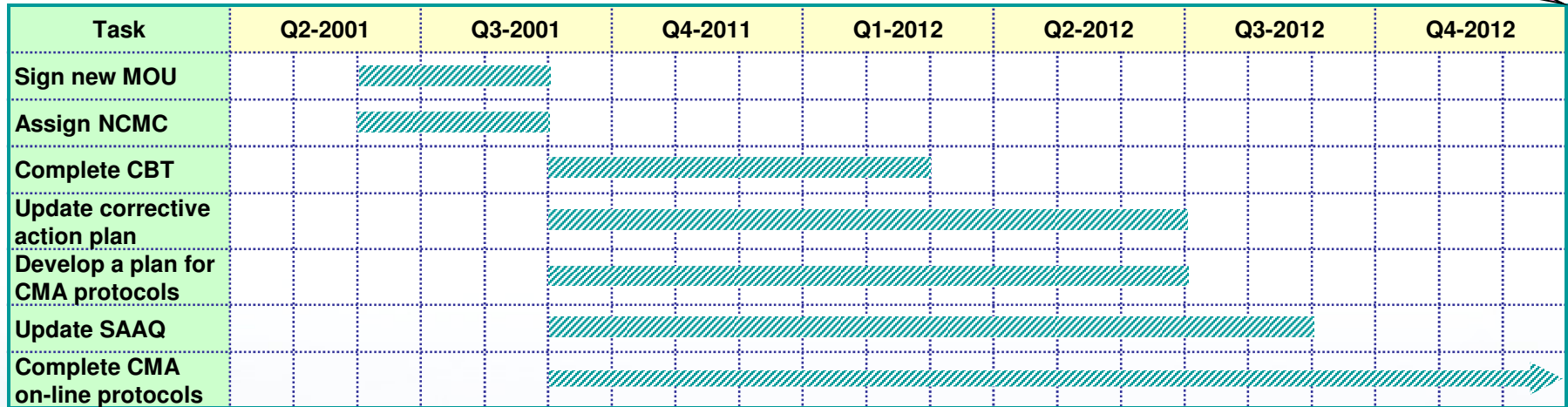


Technical Assistance
Provider

V. Transition of the USOAP to CMA

■ Continuous Monitoring Approach Transition Plan

Full CMA Implementation



- Formal notification of the CMA – Electronic Bulletin (September 18, 2009)
- CMA transition plan – 2011 to 2012
- Full-scale implementation of the CMA – January 2013
- R.O.K. is invited as a member of the CMA Advisory Group

IV. Fellowship Training

- ❖ ROK established Fellowship Training Programme in 2001 to promote a balanced development and carry out an international responsibility in civil aviation field
- ❖ 477 participants from 95 countries including AFCAC member States have been trained
- ❖ ROK will further expand the Fellowship Training Programme



IV. Fellowship Training

Lectures and practical laboratory or exercise



Experience-sharing and discussion with invited aviation specialists

IV. Fellowship Training

Field trip
to airports and research institutes



Experience Korea through
social & cultural program


IV. Fellowship Training

- ❖ In 2010, the number of AFCAC participants quadrupled compared to 2009 (27 in 2009 → 56 in 2010)
- ❖ Further consideration will be given to the increased seats availability for AFCAC region



V . Air Navigation Aid

SkyMARU DVOR/DME, ILS, VHF/UHF



- Fully compliant with ICAO, EUROCAE, FAA Requirements, ICAO, ISO Certification
- **DVOR** provides azimuth information to the aircraft at specific points in air route
- **DME** provides distance information from airport to the aircraft
- **ILS** provides the information of runway center line and landing angle (3 °) to landing aircraft
- **VHF/UHF** : Voice Communication between pilot and controller

V . Air Navigation Aid

■ 12 Countries

- Install and operate **49** systems, DVOR (**16**), DME (**21**), ILS (**3**), FTS (**7**), FIDS (**2**)



Turkey Istanbul Airport CAT III ILS
Sudan El Genina Airport DVOR/DME

VI. Airport industry Consulting

Optimum Consulting Service for Airport Industry

Airport Construction

Master Plan, Feasibility Study, Project management

Airport Operation

Airport Certification, Airport Safety Management, Airside Operation, NAVAIDs management, Aviation Security, Ground Transportation Terminal Operation, u-Airport, Baggage Handling, Power System

Business Development

Cargo Development, Airport City Development

Training

IIAC HR Academy



Recent overseas projects

Consultancy Services for Operation of Erbil Airport, IRAQ (2009-2014)



Feasibility Study for development of Logistics Center at Navoy Airport, Uzbekistan (Apr 2008)



Detailed Feasibility Study of 2nd International Airport in Nijgadh, Nepal (2010)



Master Planning agreement for Khabarovsk Airport, Russia (2009)



Consulting on Tivat Airport Modernization Project, Montenegro (Sep 2006)



Coming soon in 2011



Staff Training for Chinggis Khaan Airport (2007-2009)

Consulting on Airport Operation For Libreville Int'l Airport (2007-2008)



Montenegro

Iraq

Gabon

Angola

Madinah

Uzbekistan

Nepal

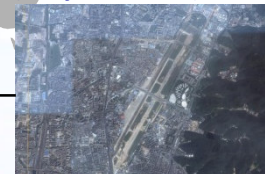
Mongol

China

Russia

Philippines

Consulting on Trial Operation for Guangzhou Airport (May-Jun 2004)



Design Consulting for Soyo Airport, ANGOLA (2005-2006)

Master Plan and Feasibility Study For Cebu International Airport (2010)



MLTM
Office of Civil Aviation

VII. Future Cooperation

- 1** Increase the number of fellowship participants
- 2** Share USOAP experience with AFCAC Member States
- 3** SARPs Management System (SMIS)
- 4** Korea Air Navigation Aids
- 5** Korea Airport Construction and Operation
- 6** Develop future cooperation areas

A group of 18 men, likely a sports team, are posing for a group photo on a dry, yellowish-brown grassy field. They are arranged in three rows: some are standing in the back, some are kneeling or sitting in the middle, and others are sitting on the ground in the front. The men are wearing various athletic outfits, including blue, yellow, red, and white jerseys and vests. Many of them are smiling and making hand gestures, such as thumbs up or peace signs. The background shows a line of trees under a clear sky. The text "Thank you for your attention!" is overlaid in the center of the image in a bold, blue, italicized font.

***Thank you for
your attention!***