

AIRPORTS TO THE FUTURE

"CAAT TAKE OFF CONFERENCE CHAPTER 1" BOUND FOR THE FUTURE"

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Aerodrome Standards Department (AGA)

15 November 2018



Provisional Agenda

- About us
- Aerodrome infrastructure in Thailand
- Challenges
- Actions



AGA Vision

Safe aerodromes for all.

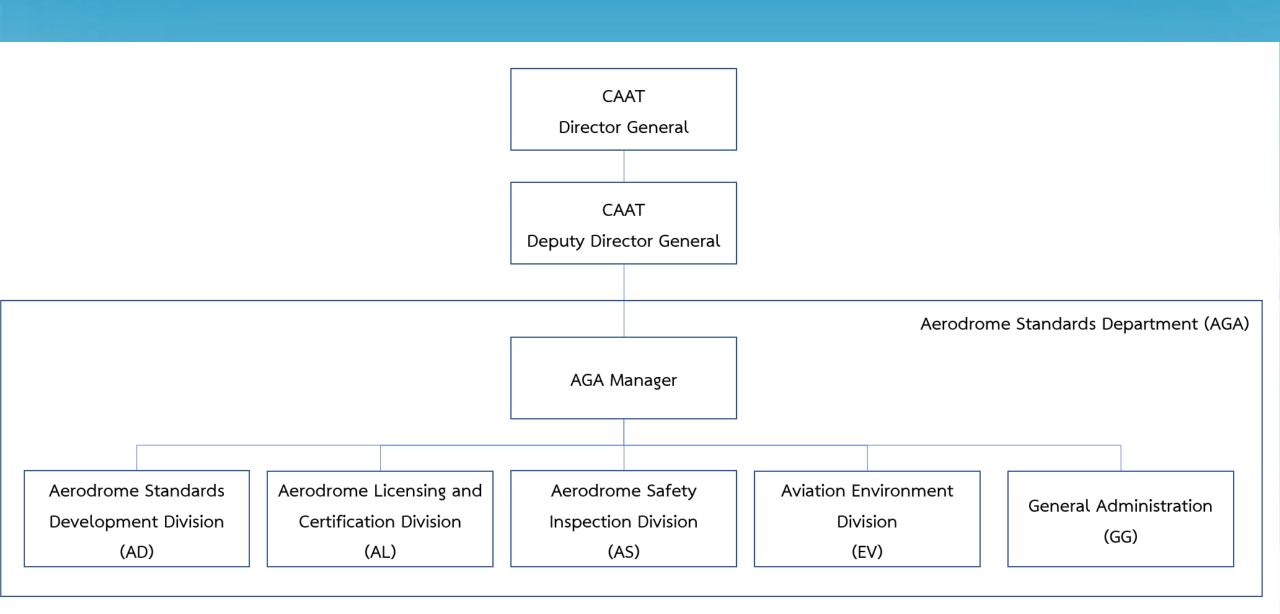


AGA Mission

To serve the public through a fair, effective, and efficient aerodrome safety regulatory system and systematic supervision of aerodrome operators in accordance with the international standards or above.

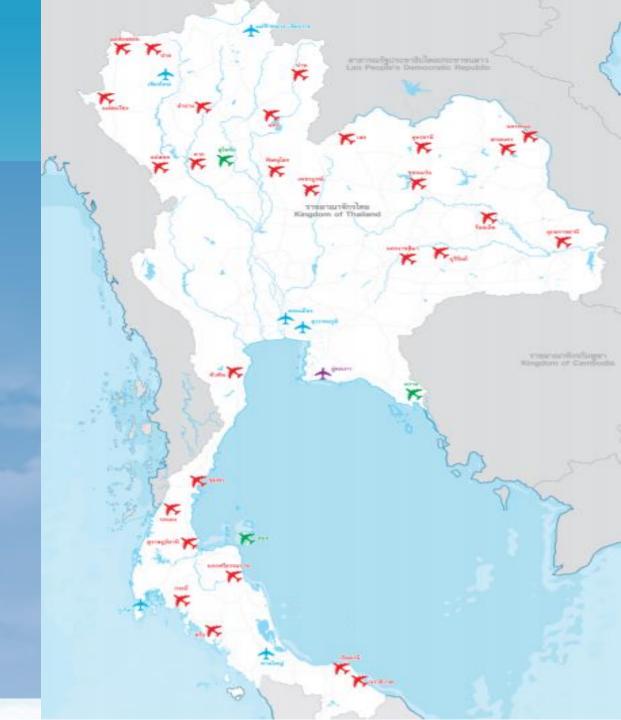


AGA Structure



Aerodromes in Thailand

- ★ 38 Public-used aerodromes
 - 6 aerodromes AOT
 - 28 aerodromes DOA
 - 3 aerodromes Bangkok Airways
 - 1 aerodromes Royal Thai Navy
- ★ 150 Private-owned aerodromes
 - 33 aerodromes
 - 117 heliports

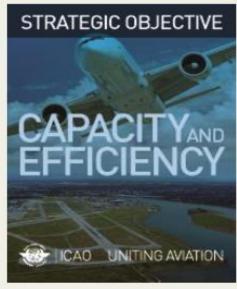


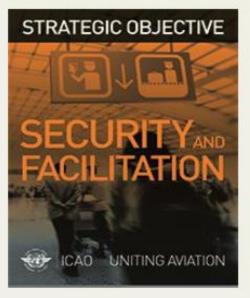


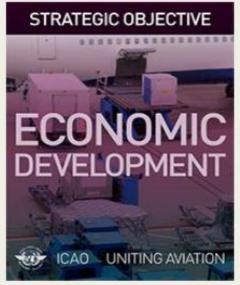
ICAO STRATEGIC OBJECTIVES

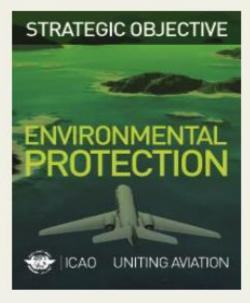












Our Challenges

- Safety
- Capacity and Efficiency
- Environment





Safety Issues

Aerodrome Certification Aerodrome Data Physical Characteristic

Aerodrome safeguarding

Visual aids

Electrical System Operation
Service &
Equipment

Maintenance

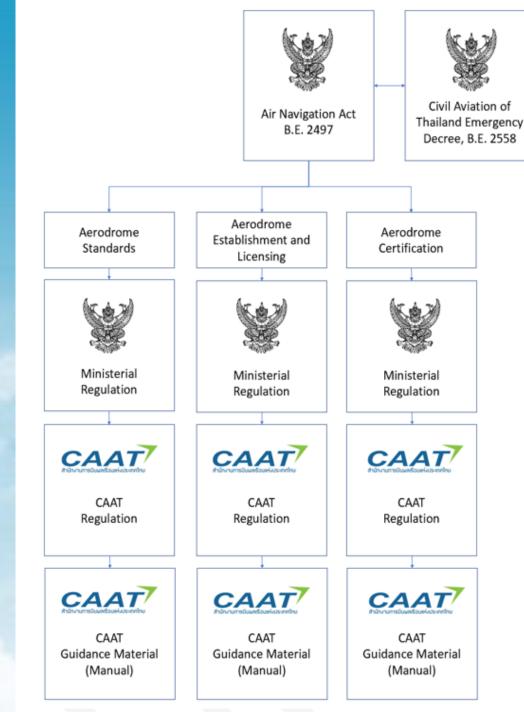
Aerodrome
SMS and
Special
safety
attention

Aerodrome documentation



Aerodrome Regulatory System

- Aerodrome standards
 regulation (Annex 14, Vol 1)
- Heliport standards regulation
 (Annex 14, Vol 2)



Enhancement and

Conservation of

National

Environmental Quality

Act, B.E. 2535

Environment

Protection

Ministerial

Regulation

CAAT

CAAT

Regulation

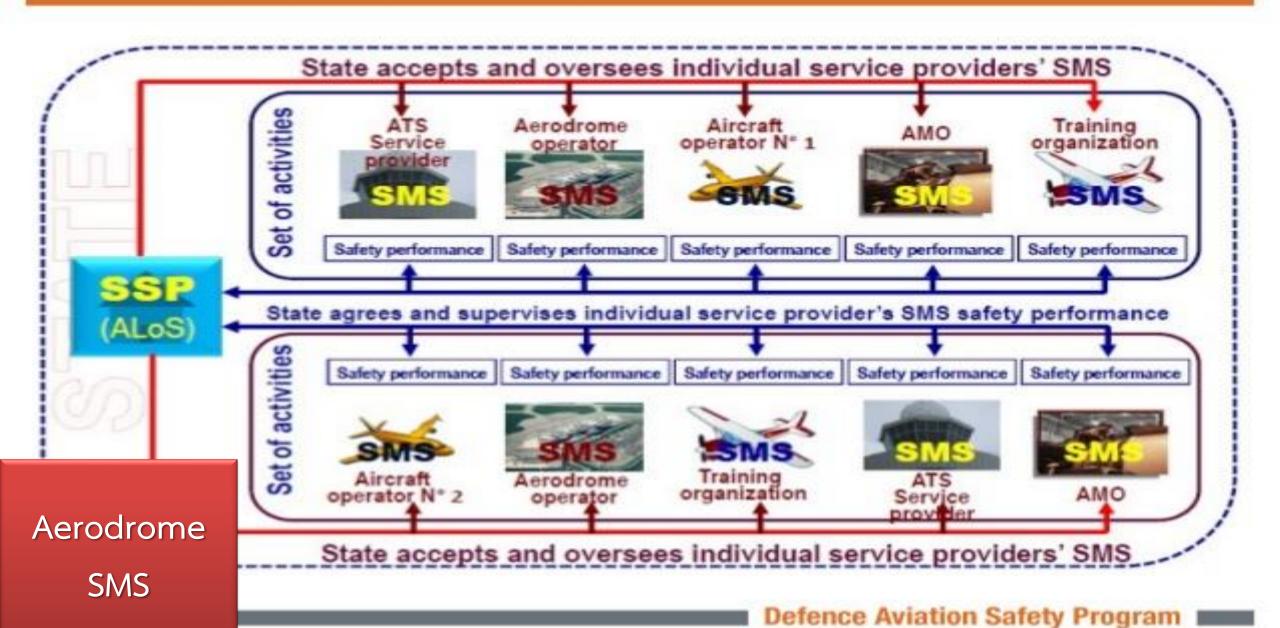
CAAT

CAAT

Guidance Material

(Manual)

Fundamental

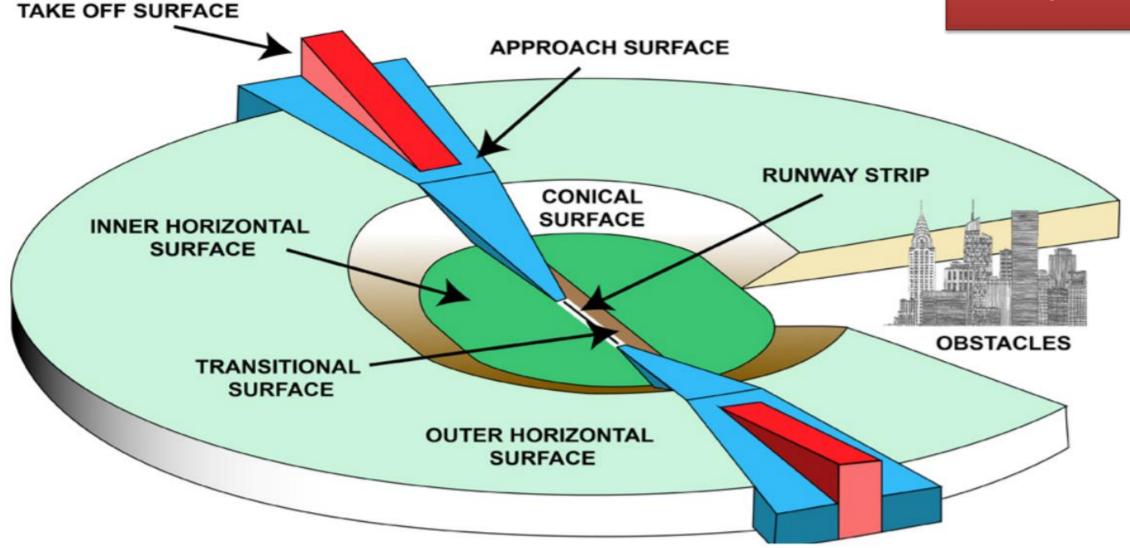






OBSTACLE LIMITATION SURFACES LAYOUT EGYPTIAN CIVIL AVIATION REGULATION EXISTING & Designed CONFIGURATION

Aerodrome Safeguarding







WATE 2017

Annual World Airport Traffic Forecasts 2017–2040



GLOBAL AVERAGE ANNUAL GROWTH RATE 2016-2040









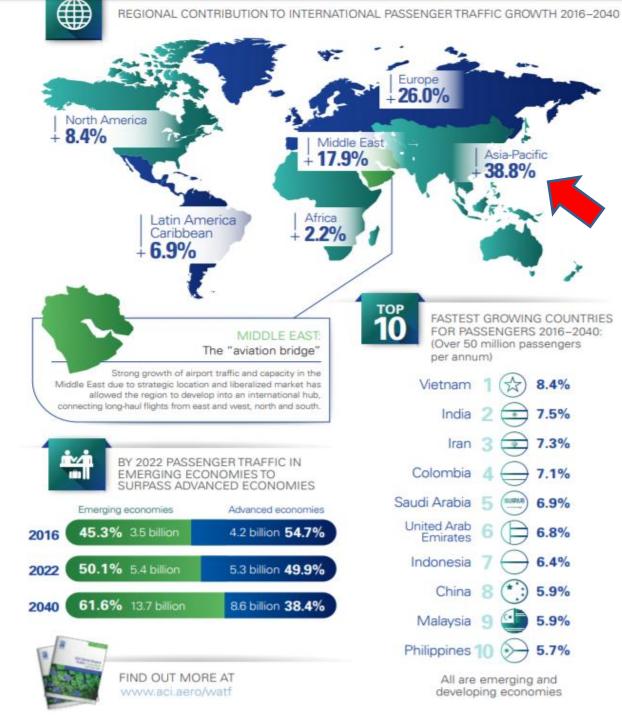
CHANGING AVIATION MARKET SHARES OVER TIME





BY 2040 INTERNATIONAL PASSENGER TRAFFIC WILL APPROACH PARITY WITH DOMESTIC TRAFFIC

	International	Domestic
2016	40.4% 3.1 billion	4.5 billion 58.4%
2040	49.0% 10.9 billion	11.3 billion 50.8%



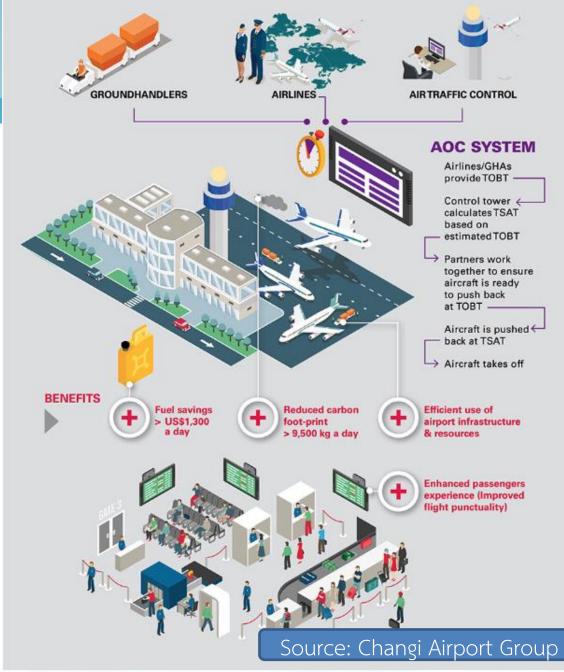
Solutions

- Bigger airports
- More efficient operational environment





Airport partners share airport operational information

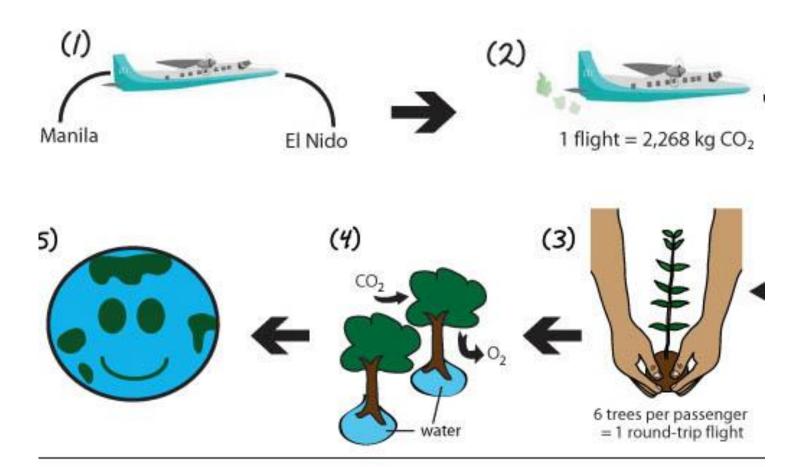


Challenge No. 3: Environmental Protection



CORSIA - Carbon Offset and Reduction Scheme for International Aviation

How Carbon Offset Works





CORSIA

Restoring balance with Climate Friendly carbon credits

Carbon Emitted











Carbon Emissions Prevented



















You've reduced your emissions but you can't get them to zero.

By purchasing carbon credits to offset your emissions you help create new renewable energy infrastructure and energy efficiency projects.



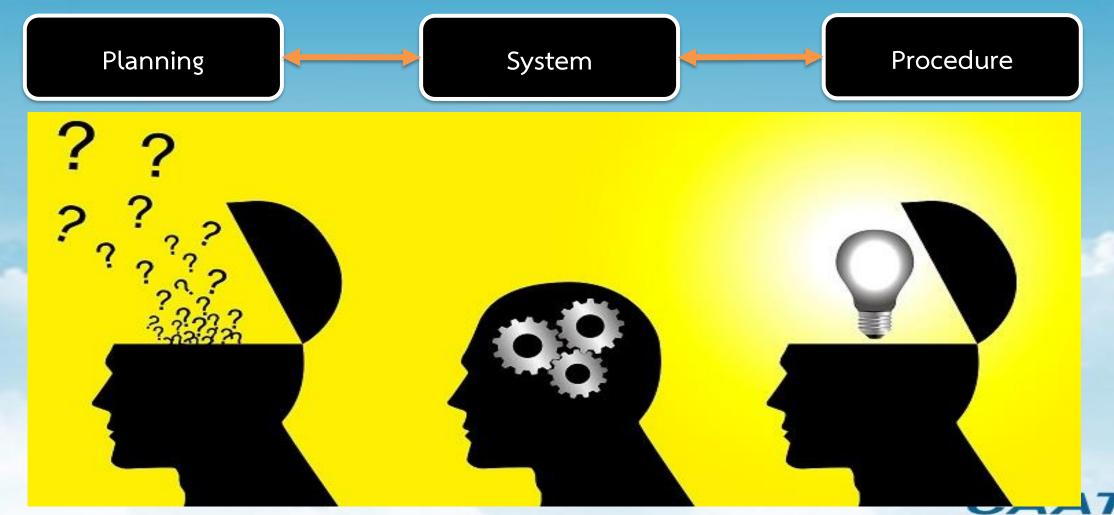
Climate Friendly works only with the highest quality, independently verified projects to ensure your action makes a genuine impact.

- ✓ Ranked No.1 by Carbon Offset Watch
- √ Gold Standard & Verified Carbon Standard credits





Our Action



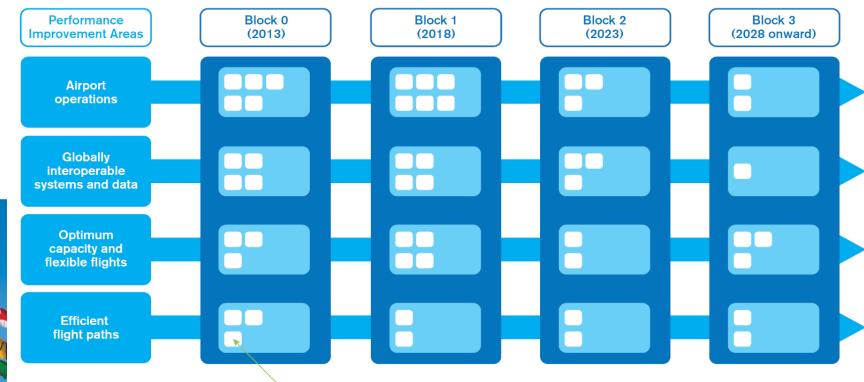


CAPACITY AND EFFICIENCY

GANP Fourth Edition Aviation System Block Upgrade Methodology

2013–2028 Global Air Navigation Plan





Modules (actual number of modules per Block/Performance Area may vary)



AGA System Infrastructure

AGA-DM-01 AGA-DM-02 AGA-DM-03 AGA-DM-04 Regulations Licensing and Safety and Technical Strategic Certification Surveillance **Planning Documents** System System **Development AGA** Information Coordination Competency **Enforcement** with other Management and Team **System** organizations **System Building** AGA-DM-05 AGA-DM-06 AGA-DM-07 AGA-DM-08





Cooperation for future aviation



