



Progress on Thailand's Civil Military Cooperation


DEPARTMENT OF CIVIL AVIATION

28 FEB - 1 MAR 2012



Balancing the needs


Civil

- Open sky
 - Seamless operation
 - Free and Optimized routes
 - Utilize full ATM capabilities
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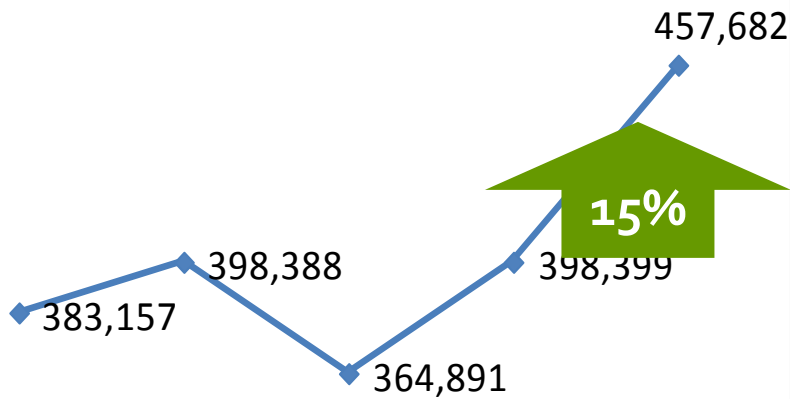
Balancing the needs

Military

- National sovereignty and security
 - Routings to avoid P, D, R areas
 - Airspace for training or exercise
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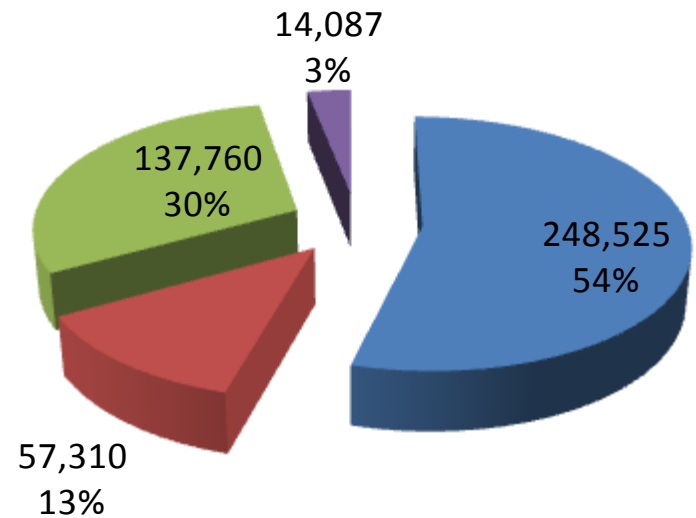
Balancing the needs

Annual Traffic Movement Serviced by Bangkok ACC



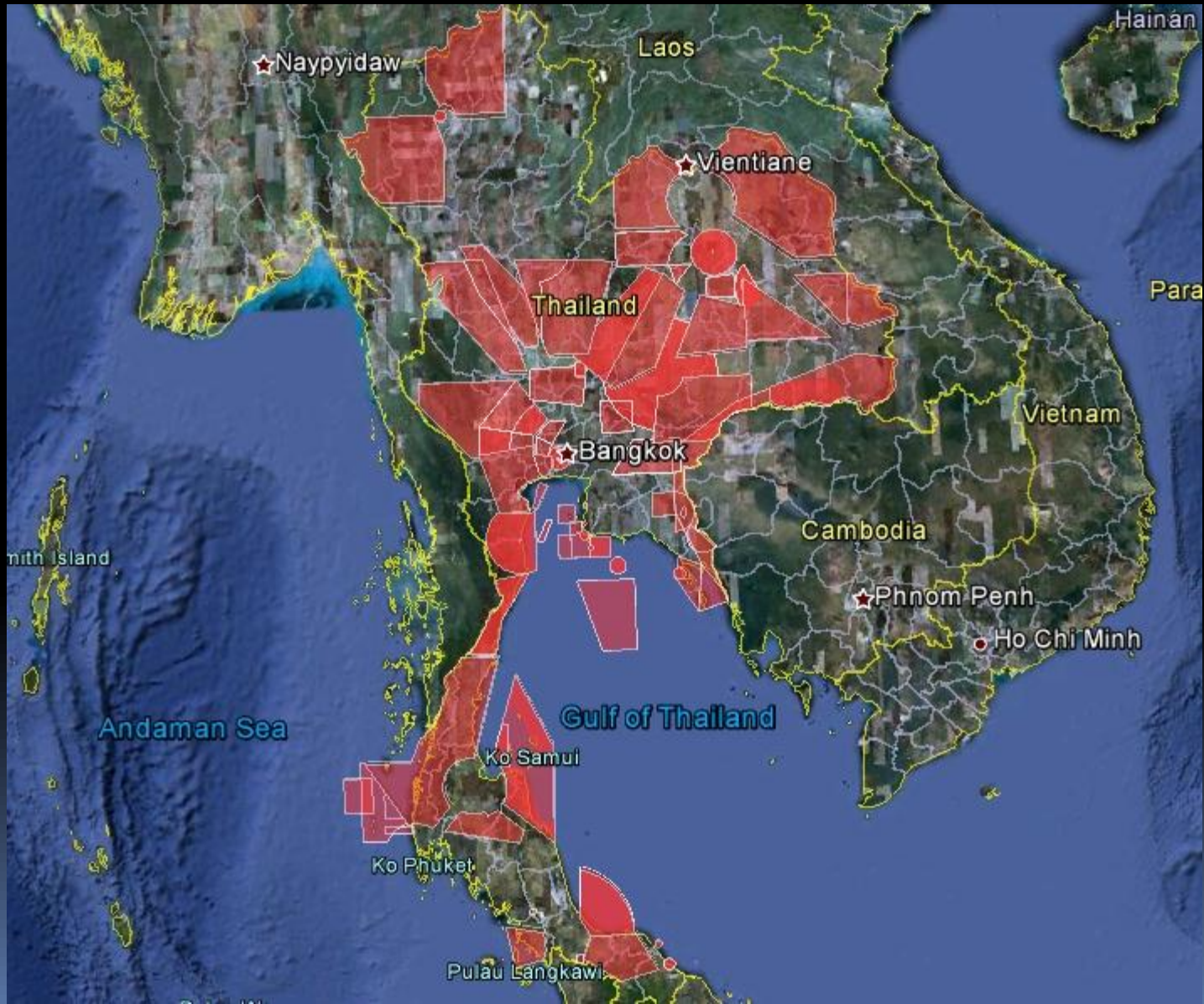
FY2007 FY2008 FY2009 FY2010 FY2011

Traffic Movement (FY2011) by Movement Type



■ Civil Int'l ■ Civil Overflight
■ Civil Domestic ■ Military


Balancing the needs





Thailand's Concept of CMAC

“ More collaboration,
More flexibility
For enhanced safety and
efficiency”



Thailand's on going activities

- Draft National Airspace System Master Plan
- CMAC Activities
 - Strategic
 - Pre – Tactical
 - Tactical
- Resolve issues following the provision of ICAO
- Airspace Coordination group

Outcomes

- New routes + Conditional Routes
 - M904 (originally M752) BKK - ENREP
 - M502 (activation time)
 - RNAV route M770
 - Y₁ UDN - MOCHI
 - Y₂ KKN - MOCHI
- Improve utilization of special use airspace
 - VT D71 revised Upper limit
 - VTD 17 change time of activity
 - VT R1 revised upper limit

Benefits and all savings

- Reduce 15% flight time
- Reduced fuel burn 17,000 kg. per year
- Carbon Emission reduction 70 tons per year
- More air traffic flow management
 - Flight from Bangkok to Australia
 - Flight from Bangkok to Male
 - Flights through special use airspace



Future Plan

- More flexible airspace
 - Provisional Directorate of CMAAC
 - More technologies support for pre – tactical planning
 - ATM support tools for tactical operation
 - Collaborate Decision Making
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