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ASIA AND PACIFIC REGIONS**

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**AGENDA ITEM 3: AVIATION SAFETY AND
AIR NAVIGATION**

**THAILAND'S REGIONAL AIRPORTS CAPACITY
ENHANCEMENT**

(Presented by Thailand)

INFORMATION PAPER

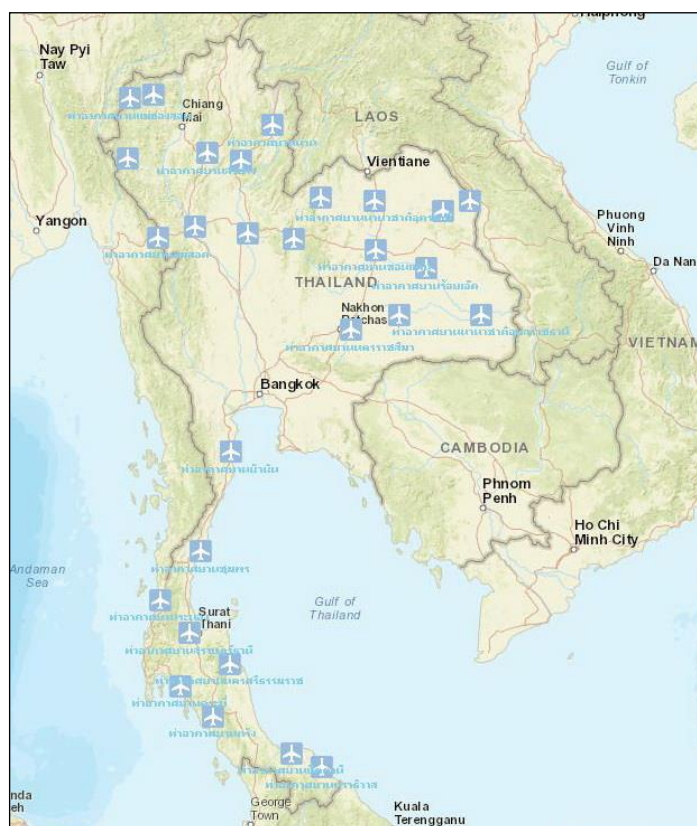
SUMMARY

This paper present information regarding the development target for nationwide regional airports which are operated by the Department of Airports (DOA).

THAILAND’S REGIONAL AIRPORTS CAPACITY ENHANCEMENT

1. INTRODUCTION

1.1 Currently, the Department of Airports (DOA) operates 28 nationwide regional airports (picture 1.1-1) which facilitate various types of flight activities including commercial, general aviation, business aviation and state aircraft.



Picture 1.1-1 Airports operated by DOA

1.2 Numbers of annual passengers at all airports have increased continuously from 3,113,013 passengers in 2006 to 17,256,746 passengers in 2016. Average growth for the last 6 years is 21.54 percent (table 1.2-1).

Year	Number of annual passengers at airports operated by DOA	Annual passengers growth
2011	5,147,530	21.83 %
2012	6,416,560	19.78 %
2013	8,143,783	21.21 %
2014	11,068,815	26.43 %
2015	15,492,683	28.55 %
2016	17,259,746	11.41 %

Table 1.2-1 - The growth of annual passengers at airports operated by DOA

1.3 At some main airports, the number of passengers has already exceeded or is close to full capacity for both annual (table 1.3-1) and peak hour passengers (table 1.3-2).

Airport	Current annual passengers capacity	Number of annual passengers in 2016	Forecasted annual passengers in 2025
Krabi (VTSG)	4,000,000	4,079,245	7,189,644
Udon Thani (VTUD)	3,400,000	2,333,603	4,315,908
Surat Thani (VTSB)	2,000,000	2,032,042	3,619,362
Ubonratchathani (VTUU)	2,400,000	1,726,227	2,857,512
Khon Khaen (VTUK)	2,400,000	1,499,443	2,496,578
Nakon Si Thammarat (VTSF)	1,100,000	1,502,676	2,422,645
Trang (VTST)	750,000	648,979	1,192,390

Table 1.3-1 Number of annual passengers compared to capacity at selected airports

Airport	Current peak hour passengers capacity	Peak hour passengers in 2016	Forecasted peak hour passengers in 2025
Krabi (VTSG)	1,500	2,200	3,595
Udon Thani (VTUD)	1,200	1,450	2,158
Surat Thani (VTSB)	800	1,000	1,810
Ubonratchathani (VTUU)	1,000	1,000	1,429
Khon Khaen (VTUK)	1,000	900	1,373
Nakon Si Thammarat (VTSF)	450	600	1,332
Trang (VTST)	300	600	880

Table 1.3-1 Number of passengers during peak hour compared to capacity at selected airports

1.4 The number of aircraft using parking stand during the peak hour is approaching full capacity (Table 1.4-1).

Airport	Current number of aircraft stand	Peak hour aircraft in 2016	Forecasted peak hour aircraft in 2025
Krabi (VTSG)	14	6	12
Udon Thani (VTUD)	4	4	7
Surat Thani (VTSB)	5	4	6
Ubonratchathani (VTUU)	4	3	5
Khon Khaen (VTUK)	6	4	5
Nakon Si Thammarat (VTSF)	9	3	5
Trang (VTST)	4	2	3

Table 1.4-1 Number of aircraft during peak hour compared to capacity at selected airports

2. FACTS & FIGURES

2.1 In response to the rapid growth of passenger number and aircraft movement, DOA has established a long term development plan to enhance the capacities.

2.2 The development plan includes major investments to improve airport facilities such as passenger terminal building, apron, taxiway and runway.

2.3 By 2025, DOA expects to raise the capacity of annual passengers, peak hour passengers and aircraft using stand during peak hour to handle the forecasted demand (table 2.3-1, 2.3-2 and 2.3-3).

Airport	Forecasted annual passengers in 2025	Forecasted annual passengers in 2035	Expected annual passengers capacity in 2025
Krabi (VTSG)	7,189,644	12,757,421	8,000,000
Udon Thani (VTUD)	4,315,908	7,658,217	7,400,000
Surat Thani (VTSB)	3,619,362	6,422,254	5,000,000
Ubonratchathani (VTUU)	2,857,512	5,070,415	5,400,000

Khon Khaen (VTUK)	2,496,578	4,429,969	5,400,000
Airport	Forecasted annual passengers in 2025	Forecasted annual passengers in 2035	Expected annual passengers capacity in 2025
Nakon Si Thammarat (VTSF)	2,422,645	4,298,780	4,000,000
Trang (VTST)	1,192,390	2,115,797	3,450,000

Table 2.3-1 Number of forecasted annual passengers compared to expected capacity at selected airports

Airport	Forecasted peak hour passengers in 2025	Expected peak hour passengers capacity in 2025
Krabi (VTSG)	3,595	3,000
Udon Thani (VTUD)	2,158	2,500
Surat Thani (VTSB)	1,810	2,000
Ubonratchathani (VTUU)	1,429	2,000
Khon Khaen (VTUK)	1,373	2,000
Nakon Si Thammarat (VTSF)	1,332	1,600
Trang (VTST)	300	1,200

Table 2.3-2 Number of forecasted passengers during peak hour compared to expected capacity at selected airports

Airport	Forecasted peak hour aircraft using stand in 2025	Expected peak hour aircraft using stand capacity in 2025
Krabi (VTSG)	12	21
Udon Thani (VTUD)	7	7
Surat Thani (VTSB)	6	8

Ubonratchathani (VTUU)	5	9
Airport	Forecasted peak hour aircraft using stand in 2025	Expected peak hour aircraft using stand capacity in 2025
Khon Khaen (VTUK)	5	11
Nakon Si Thammarat (VTSF)	5	14
Trang (VTST)	3	10

Table 2.3-3 Number of forecasted aircraft using stand during peak hour compared to expected capacity at selected airports

2.4 DOA is now constructing a brand new “Betong airport” in Yala province which is located in the southernmost province of Thailand and the construction is expected to be completed within 2019. The airport will have 1,800-meter instrument runway which can serve turbo-prop aircraft such as ATR 72 or Bombardier Q400.

3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to note the information contained in this Paper.

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