



WP/07

Collaborative Miles-in-Trail Conversion Program (CMCP)



ICAO ATFM/SG/6

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ICAO APAC RO, Bangkok

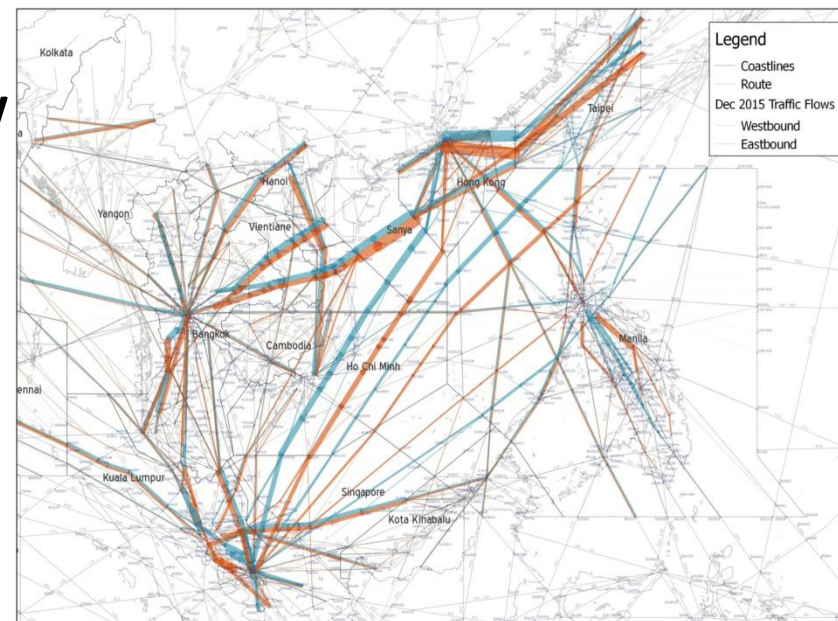


Review of Current Issue



Setting the Scene

- South China Sea Traffic Flow
= 1 of 3 major traffic flows in APAC
- Minutes / Miles-in-Trail
= major flow restriction implemented
- China – Thailand Traffic Volume
→ 10 – 66% year-on-year growth rate
(50 flights/day in 2010 → 260 flights/day in 2016)



The Issue

- Minutes / Miles-in-Trail creates negative effects
 - Compounding delays on longer flights
 - Slot waste
 - Unpredictability to stakeholders
- Excessive airborne holding

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BCD9570 312320
GG VTBBZRZD
312320 VHHHNYX
(A0726/16 NOTAMR A0725/16
Q) VHHK/QPFCA/IV/NBO/E /000/999/2003N11500E214
A) VHHK B) 1605312320 C) 1606010600
E) CONSEQUENT TO THE FLOW CONTROL RESTRICTION IMPOSED BY GUANGZHOU
ACC
ON TRAFFIC VIA DOTMI A470 DESTINATION ZSPD, TRAFFIC OVERFLYING HONG
KONG VIA THE FOLLOWING ROUTE SEGMENTS ARE SUBJECT TO FLOW CONTROL
RESTRICTIONS:
1. P901/A1 IKELA - DOTMI A470, AT LEAST 150 MINUTES
2. M771 DOSUT - DOTMI A470, AT LEAST 150 MINUTES
3. A461 NOMAN - DOTMI A470, AT LEAST 150 MINUTES
4. DEP WITHIN MANILA FIR JOINING A461 NOMAN - DOTMI A470, CHECK FOR
START
RMK:FLOW CONTROL MAY BE ADJUSTED SUBJECT TO SITUATION AND DISCRETION
OF HONG KONG ATS WATCH SUPERVISOR.)
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The Response

Collaborative Miles-in-Trail Conversion Program (CMCP)

- Introducing Ground Delay Program (GDP) through issuance of Calculated Take-Off Time (CTOT)
- Gradually migrating traditional flow restrictions (MIT) into GDP/CTOT
- Increasing operational efficiency of A1, A202 traffic flow

CMCP Scope



- Phase 1 : Thailand → North East Asia
 - Combined ATFM Measure required
- Phase 2 : Southeast Asia → North East Asia
- Phase 3 : North East Asia → South East Asia

Concept of Operations

CMCP ConOps

ATFM Daily Plan

- Daily Issuance
- Expected constraints
- Anticipated measures

Calculated T/O Time

- CLDT Sequencing
- $CTOT = CLDT - EET$
- CTOT Managed through FMP
- Ref: Multi-Nodal

Post-Ops Analysis

Combined ATFM Measures

- CTOT for flights between China – Thailand (or CTOT for A1, A202?)
- MIT/MINIT/MDI for others

CMCP Planning and Timeline



- Project Plan Meeting : Jun 2016
- Table-Top Exercise : Jul 2016
- Demonstration Flight : Aug 2016
- Operational Trial : Q4 2016
- Phased Implementation : 2017