



*International Civil Aviation Organization*

**Second Meeting of the Southeast Asia Route Review Task Force  
(SEA-RR/TF/2)**

Bangkok, Thailand, 22 – 26 March 2010

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**Agenda Item 6:   ATS Route Development**

**Establishment of Uni-directional RNAV Routes between South East Asia and China**

(Presented by IATA)

**SUMMARY**

This paper outlines a proposal to establish Uni-directional RNAV routes between Bangkok and Beijing/Shanghai.

**1.           INTRODUCTION**

1.1           The SEA-RR/TF is tasked with implementing route enhancements with consideration to the ICAO AR9 traffic flow. This traffic flow includes the existing membership of the SEA-RR TF as well as extending into China, Korea and Japan.

**2.           DISCUSSION**

2.1           At SEA-RR/TF/1, the meeting endorsed some reasonably broad principles for consideration when undertaking route enhancements

- The establishment of uni-directional routes
- The utilisation of ATM capabilities
- The establishment of ‘bypass routes’ to segregate over-flights from arrivals and departures

2.2           IATA presented a summary of the Users perspective identifying the major traffic flows within AR9 as well as identifying the 22 busiest airports. Some of the busiest flows entered the North Asian area.

2.3           Currently traffic transiting into China are restricted with limited entry-exit points, few uni-directional routes and a route structure based largely on terrestrial aids. The PRD airspace is particularly complicated and congested.

2.4           Based on the principles above, IATA believes significant benefits would be enabled by establishing uni-directional RNAV routes between Bangkok and Beijing/ Shanghai. This would support traffic between Thailand and China as well as traffic to/ from Malaysia, Singapore and potentially Indonesia and beyond. The routes could also provide benefits to traffic operating through to Europe and the Polar operations by simply delivering an increase in airspace capacity.

3. **ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) Endorse the proposal to establish uni-directional RNAV routes between Bangkok and Beijing/ Shanghai
- b) Refer this endorsement to the appropriate forum for consideration

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