INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TWENTY SEVENTH MEETING OF THE ASIA/PACIFIC
AIR NAVIGATION PLANNING AND IMPLEMENTATION
REGIONAL GROUP (APANPIRG/27)**

Bangkok, Thailand, 5 to 8 September 2016

Agenda Item 3: **Performance Framework for Regional Air Navigation Planning and Implementation**

3.2: **ATM**

OUTCOMES FROM THE 4TH BANGLADESH, INDIA, MYANMAR, THAILAND ATM COORDINATION MEETING (BIMT/4)

(Presented by Bangladesh, India, Myanmar, Thailand and IATA)

SUMMARY

This paper summarizes outcomes from the 4th Bangladesh, India, Myanmar, Thailand ATM Coordination Meeting (BIMT/4) held on 17-19 August 2016 in Bangkok, Thailand. The paper provides a list of key conclusions and action items by BIMT Member States in the upcoming year to improve safety and efficiency in ATS operations within the Northern Bay of Bengal sub-region.

Strategic Objectives:
   A: **Safety** *– Enhance global civil aviation safety*
   B: *Air Navigation Capacity and Efficiency—Increase the capacity and improve the efficiency of the global aviation system*
   E*: Environmental Protection — minimize the adverse environment effects of civil aviation activities.*

1. INTRODUCTION

1.1   The Bangladesh, India, Myanmar, Thailand ATM Coordination Group (BIMT) meetings have been held periodically since 2014. The meeting serves as a venue for Member States to discuss issues pertaining to Air Traffic Services (ATS), Air Traffic Management (ATM) collaboration, Communication / Navigation / Surveillance (CNS) infrastructure, and other relevant issues with the aim of enhancing coordination and thus improving air traffic service safety and efficiency in the Northern Bay of Bengal sub-region.

1.2   To provide periodic progress update to APANPIRG and its Sub-Groups, BIMT Member States endeavor to submit Information Paper to APANPIRG meetings when possible. This Information Paper thus continues the update by providing summary of key outcomes and action items from the most recent meeting of the coordination group.

2. DISCUSSION

2.1   The 4th Bangladesh, India, Myanmar, Thailand ATM Coordination Group Meeting (BIMT/4) was recently held o 17 – 19 August 2016 in Bangkok, Thailand. Agenda Items discussed included the following:

Agenda Item	Detail
Agenda Item 1	Adoption of Agenda
Agenda Item 2	Review of BIMT/3 Action Items
Agenda Item 3	Air Traffic Situation Update
Agenda Item 4	BIMT Collaborative Route Design • 4.1 – North Bay of Bengal Route Structures • 4.2 – Continental Bay of Bengal Route Structures
Agenda Item 5	ATM Matters • 5.1 – ATM System Implementation • 5.2 – ATS Coordination • 5.3 – ATFM • 5.4 – AIDC Operationalization • 5.5 – ADS-B Data Sharing • 5.6 – Large Height Deviations (LHD) Hot Spots, Action Plan, Reporting
Agenda Item 6	Bi-Lateral Meetings
Agenda Item 7	Future Direction
Agenda Item 8	Any Other Business • China Involvement in BIMT • Revision of Rocket Launch Points of Contact
Agenda Item 9	Review of Conclusions and Action Items

2.2   The meeting was proven to be fruitful and Member States left the meeting with several key Conclusions and Action Items for the upcoming year, with decisions and tasks spanning route structure development, safety risk mitigation, and ATFM operations among other things. **Appendix A** to this Information Paper lists the Conclusions and Action Items achieved during BIMT/4.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a)   note the information contained in this paper; and

b)   discuss any relevant matters as appropriate.

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APPENDIX A: CONCLUSIONS AND ACTION ITEMS FROM BIMT/4

List of Conclusions

Conclusion BIMT/4-1 – Air Traffic Situation Update for BIMT Meeting
The BIMT/4 meeting agreed that air traffic situation updates shall be added to the list of Agenda Items to be discussed at all subsequent BIMT meetings. This will ensure that Member States are kept aware of the air traffic demand situation in the sub-region and can collaboratively discuss initiatives to handle the growing air traffic demand appropriately.

Conclusion BIMT/4-2 – Standard Operating Procedure for Diversion Management
The BIMT/4 meeting agreed to jointly develop Standard Operating Procedure (SOP) on cross-border Diversion Management to ensure safe and effective handling of aircraft diversions, particularly those that transcends across FIR borders. This will be added to the list of Agenda Items to be discussed at BIMT/5.

Conclusion BIMT/4-3 – BOBCAT Terminology Standardization
The BIMT/4 meeting agreed on the proposed change of BOBCAT terminologies to match those of global ATFM standards, particularly introducing the use of **Calculated Take-Off Time (CTOT)** in place of the existing Allocated Wheels-Up Time (AWUT) along with other related terminologies. The meeting agreed to use either December 2016 or January 2017 AIRAC cycle as an effective date for the change.

Conclusion BIMT/4-4 – BIMT Surveillance Data Sharing
The BIMT/4 meeting agreed to focus more efforts on improving surveillance coverage in the North Bay of Bengal through surveillance data sharing. As the first steps to that, the following has been agreed:
- India and Myanmar shall expedite their process of ADS-B data sharing; and
- Bangladesh, India, Myanmar would consider surveillance data sharing

Conclusion BIMT/4-5 – Large Height Deviation (LHD) Online Reporting
The BIMT/4 meeting agreed with online LHD reporting system proposed by MAAR, which will also ensure LHD reports are automatically sent, at the time of submission, to all relevant ATS units as well as MAAR and BOBASMA. The online reporting system is in the testing phase followed by fine-tuning phase and should be ready by October 2016.

*Note: Bangkok ACC has a separate reporting coordination with MAAR, though the report will still be integrated into the system

Conclusion BIMT/4-6 – Large Height Deviation (LHD) Coordination
Bangladesh, India, Myanmar agreed on an immediate coordination between the point of contact and/or the watch supervisor on-duty, which shall be no later than 3 days from the date of occurrence via email. Upon initial contact by the initiating unit where the LHD occurred, the contacted unit shall analyze the matter and respond within 7 days to discuss the matter. Once an agreement is reached among the relevant units, a formal LHD report will be submitted.

Conclusion BIMT/4-7 – Periodic Teleconference on Resolving LHDs and Other ATS Issues
Bangladesh, India, Myanmar agreed to hold periodic bi- or tri-lateral teleconferences between ATS authorities to discuss LHD occurrences and mitigation measures along with other ATS issues.

Conclusion BIMT/4-8 – BIMT Route Structure Development, Phase 1
The BIMT/4 meeting agreed on the implementation of route structures as shown in **Figure 1** and **Table 1** during Phase 1 of BIMT Route Structure Development initiative. The target implementation date of these routes is **8 December 2016**. Associated work plan (**Table 2**) for this implementation has been discussed and will be followed accordingly.

Conclusion BIMT/4-9 – BIMT Route Structure Development, Phase 2
The BIMT/4 meeting agreed on the implementation of routes structures as shown in **Figure 2** during Phase 2 of BIMT Route Structure Development initiative. Detail regarding these routes and work plan will be discussed at the next BIMT meeting (BIMT/5).

List of Action Items

Action Item BIMT/4-1 – Air Traffic Situation Update
BIMT Member States will take the task of evaluating air traffic demand situation within their respective FIRs and prepare the information to be presented at BIMT/5 meeting.

Action Item BIMT/4-2 – Development of Standard Operating Procedure for Diversion Management
BIMT Member States and IATA will take the task of further assessing the occurrences of cross-border diversions and prepare input to the discussion on this Agenda Item during BIMT/5 meeting.

Action Item BIMT/4-3 – BOBCAT Terminology Standardization
Thailand will take the task of coordinating with other States in the region involved with BOBCAT ATFM operations to explore agreement to the terminology standardization and the timeframe of December 2016 or January 2017 AIRAC cycle for such changes.

Action Item BIMT/4-4 – Bangladesh, India, Myanmar Surveillance Data Sharing Process
Bangladesh, India, Myanmar will initiate the process of surveillance data sharing including ADS-B and update the status at BIMT/5 meeting.

Action Item BIMT/4-5 – LHD Online Reporting Instructional Package
MAAR, upon completion of system tuning and testing, will send Member States an instructional package on the new LHD Online Reporting System to help States familiarize themselves with the platform.

Action Item BIMT/4-6 – LHD Coordination E-Mail Template
India will provide a reporting template to all relevant parties for the initial e-mail exchange between ATS units regarding LHD occurrences.
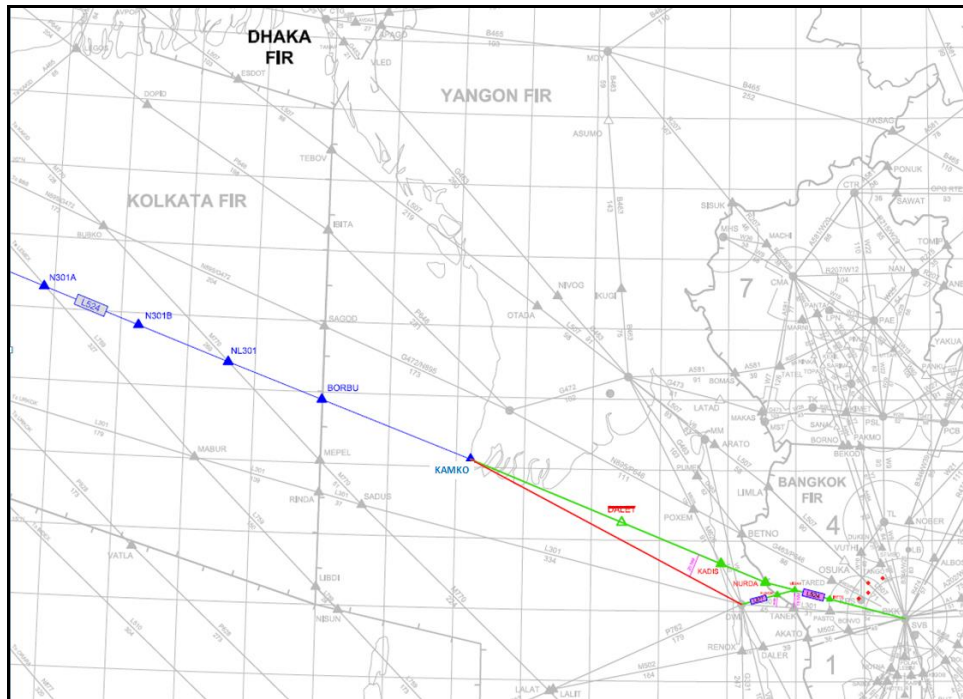
Figure 1 - L524, M506, L877 Routes

Routes	Waypoints	Conditions	States
L524	NAGPUR – KAMKO – BKK	- Eastbound traffic (east of KAMKO) - Bi-directional (west of KAMKO)	India, Myanmar, Thailand
M506	DWI – KAMKO	Transition route for westbound traffic on L301 to join L524 after KAMKO	Myanmar, Thailand
L877	DWI – MIGAR	Transition route for eastbound traffic on L301, P762, M502 with VTBD, VTBS as destination	Myanmar, Thailand

Table 1 - Phase 1 Route Implementation

	Tasks	By	Completion Target	Remark
1	Approval of route design	BIMT/3	17 Dec 2015	
2	Approval of work plan		17 Dec 2015	
3	Safety assessment	BIMT	Jan 2016	
4	Waypoint and route designator		Jan 2016	New route designator L524 and M509 received
5	AIP drafting		Feb 2016	BIMT States submit to AAI
6	Submit BANP		Mar 2016	
7	Review work plan	BIMT	17 Aug 2016	
8	PfA to BANP Approval	ICAO	2 Sep 2016	Error correction by BIMT States
9	LOA Addendum	BIMT	Nov 2016	BIMT States
10	ATC Training	BIMT	Nov 2016	BIMT States
11	AIP Publication (Phase 1)	BIMT	**Sep - Oct 2016**	BIMT States
12	Effective Date (Phase 1		**8 Dec 2016**	
13	Post-operations review	BIMT	TBD	

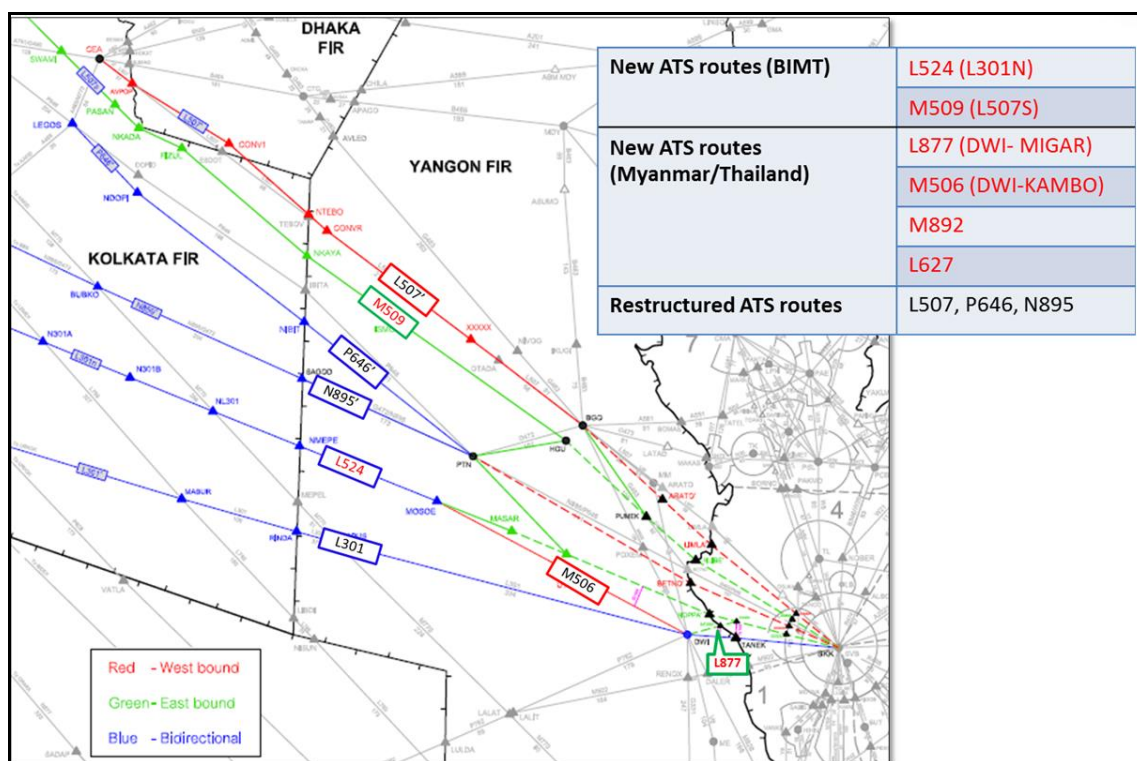**Table 2 - Revised Phase 1 Route Implementation Work Plan**

Figure 2 - Phase 2 Routes

Note*: Phase 2 Waypoint names would be further reviewed to comply with ICAO ICARD 5LNC Scheme