



*International Civil Aviation Organization*

**The Seventh Meeting of the ICAO Bay of Bengal Reduced Horizontal Separation Implementation Task Force (BOB-RHS/TF/7)**

Bangkok, Thailand, 21 May 2012

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**Agenda Item 7: Review of BOB-RHS Task List**

**Post Implementation Review**

(Presented by Secretariat)

**SUMMARY**

This paper presents a review of the issues consequent to the implementation of 50/50NM horizontal separation in the Bay of Bengal and Indian Ocean.

**1. INTRODUCTION**

1.1 The implementation of 50/50NM horizontal separation in the Bay of Bengal and Indian Ocean airspace was completed with the final phase (Phase 2C) being implemented on 8 March 2012.

1.2 A post implementation review is required 90 days after implementation.

**2. DISCUSSION**

2.1 The general principle underlying the implementation of 50/50NM horizontal separation in the Bay of Bengal and Indian Ocean airspace was to increase the airspace capacity utilizing the availability of datalink capabilities of both ANSP and aircraft. It was understood that overland, there was adequate communications and surveillance coverage to support this separation without any problems.

2.2 Subsequent to implementation it was surfaced that there were issues related to both procedural and technical matters. These were in regard to LOAs not being effected in a timely manner, misunderstandings pertaining to the appropriate transfer of control points, and DCPC capabilities of some ACCs, whether through datalink or VHF voice communications. It would be necessary for these issues, and other related issues, to be addressed in this post implementation review. A draft list of the outstanding issues is at attachment 1.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) Review the information contained in this paper and resolve any outstanding issues: and
- b) discuss any relevant matters as appropriate.

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**POST IMPLEMENTATION REVIEW- ACTION PLAN****ACTION ITEMS ARISING FROM IMPLEMENTATION OF 50/50NM HORIZONTAL SEPARATION**

<b>ACTION ITEM</b>	<b>SUBJECT</b>	<b>ACTION REQUIRED</b>	<b>BY WHOM</b>	<b>TARGET DATE</b>	<b>REMARKS</b>
1	Flights will be spaced 50nm longitudinally at points where routes converge instead of 10 minutes currently required. Where necessary to ensure separation to apply vertical separation instead.	LOAs to be amended to reflect this agreement.	Afghanistan, Pakistan	As soon as possible	Note: State which is sending traffic on converging routes into an adjoining FIR is responsible for ensuring that the flights have 50nm longitudinal separation prior to transferring control.
2	Flights will be spaced 50nm longitudinally at points where routes converge instead of 10 minutes currently required. Where necessary to ensure separation to apply vertical separation instead.	LOAs to be amended to reflect this agreement.	India , Pakistan	As soon as possible	Note: State which is sending traffic on converging routes into an adjoining FIR is responsible for ensuring that the flights have 50nm longitudinal separation prior to transferring control.
3	Afghanistan will review requirement for blocking FL290 and FL300 in Kabul FIR	To provide data on flights which had to avoid Kabul airspace as a consequence of FL 290 & FL300 blocked	IATA	Immediate	
4	Implementing direct route between PRA and SERKA	Pakistan to consider implementing the segment in Pakistan.	Pakistan	As soon as possible	India has completed segment in India.
5	FL330 Blocked on G325	NOTAM action to rescind the requirement	Pakistan	15 May 2012	

<b>ACTION ITEM</b>	<b>SUBJECT</b>	<b>ACTION REQUIRED</b>	<b>BY WHOM</b>	<b>TARGET DATE</b>	<b>REMARKS</b>
6	Communications issues between Afghanistan and Pakistan	Resolve the communications issues between respective ACCs.	Pakistan Afghanistan ICAO CNS	As soon as possible	Pakistan to host a meeting comprising Afghanistan, Pakistan and ICAO CNS
7	M890-to implement 50nm longitudinal separation in India	To consider. To conduct safety assessment as appropriate.	India	As soon as possible	
8	LOAs India/Oman	To Sign LOA	Oman	Immediate	As reported by India. LOA Yet to be signed.
9	DCPC by Jakarta ACC	To confirm whether DCPC capability is via CPDLC or extended range VHF	Indonesia	Immediate	Reported as not having operational CPDLC
10	CPDLC Yangon ACC	To confirm the status.	Myanmar	Immediate	Reported as having connectivity issues due to aging equipment and issues with Service Provider
11	CPDLC MALAYSIA	To confirm status.	Malaysia	Immediate	Reported as having issues with the reliability
12	Sri Lanka	To confirm operational status and CPDLC availability.	Sri Lanka	Immediate	Reported as moving to new ACC