International Civil Aviation Organization

ICAO **Sixth Meeting of the Bay of Bengal Traffic Flow Review Group (BOBTFRG/6)**

Bangkok Thailand, 14 – 15 November 2024

Agenda Item 5:   **Review of BOBTFRG Task List**

BOBTFRG TERMS OF REFERENCE AND TASK LIST

(Presented by the Secretariat)

SUMMARY

This paper presents the BOBTFRG Task List for review and update by the meeting.

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1.   INTRODUCTION

1.1   The BOBTFRG Task List is attached as **Attachment A** to this paper.

2.   ACTION BY THE MEETING

2.1   The meeting is invited to review and update the BOBTFRG Task List and suggest any necessary changes to the BOBTFRG Terms of Reference if appropriate.

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BOBTFRG TASK LIST

(Last updated BOBTFRG/3)

ACTION ITEM	DESCRIPTION	TIME FRAME	RESPONSIBE PARTY	STATUS	REMARKS
2/3	~~Review the existing Flight Level Allocation Scheme (FLAS) operating within the concerned airspace, with a view to improve efficiencies.~~ Review and plan improved and efficient FLAS operating within the BOB airspace.	~~31 January 2022~~ BOBTFRG/5 or ~~SAIOSEACG/2~~ BOBTFRG/6	All BOBTFRG States (Lead State: India)	Open	States to fill and submit the Attachment D to BOBTFRG/2 State Letter by 31 October 2019. Reason for FLAS: multiple crossing of higher density routes over Category R airspace. States to verify the accuracy of the information in the Bay of Bengal FLAS Chart (BOBTFRG/3 Report re: WP/07). BOBTFRG/4 Report re: WP07 In a holistic approach, FLAS improvement is suggested to be included in the BOB Route Network Plan for enhancement of BOB airspace efficiency.
2/5	Investigate whether appropriate handoff procedures are implemented between controllers providing ATS surveillance in adjacent airspace – review ATS Letter of Agreement (LoA)	~~31 January 2022~~ BOBTFRG/5	All BOBTFRG States	Open	Bangkok – Kuala Lumpur ACCs: Yes Bangkok – Yangon ACCs: Yes Jakarta – Kuala Lumpur ACCs: Yes Dhaka – Kolkata ACCs: expected in 2025. Dhaka – Yangon ACCs: expected in 2025. Yangon – Kolkata ACCs (Not Yet) Delhi – Lahore ACCs (Not Yet) Delhi – Karachi ACCs (Not Yet) Mumbai – Karachi ACCs (Not Yet) Lahore – Kabul ACCs (Not Yet) Karachi – Kabul ACCs (Not Yet) Colombo ACC – Chennai OCC (Not Yet)

ACTION ITEM	DESCRIPTION	TIME FRAME	RESPONSIBE PARTY	STATUS	REMARKS
2/6	States to identify routes along which reliable surveillance and communication are available to look at the possibility of reduced longitudinal spacing	~~31 January 2022~~	All States	Open	India and Pakistan: 50 NM longitudinal spacing implemented at the TOC points of following FIR boundaries: Delhi – Karachi FIRs; Delhi – Lahore FIRs; and Mumbai – Karachi FIRs. Indonesia and Malaysia: 20 NM longitudinal spacing implemented at the following TOC points: GOTLA, PUGER and SALAX. Malaysia and Thailand: 30 NM longitudinal spacing implemented at the TOC points between Bangkok and Kuala Lumpur FIRs. Myanmar and Thailand: 30 NM/20 NM longitudinal surveillance spacing implemented at the following TOC points; LUDVI, BETNO, NURDA, PUMOR, TANEK and AKATO. Myanmar and Thailand have already implemented 20NM surveillance-based separation to be used for the A/C landing in Myanmar. India and Myanmar (ATS route A201)? (10 mins being used now) India and Sri Lanka (time-based separation being used now)
2/7	Agreement between States to implement 20 NM longitudinal spacing (or as close to the separation minima as practicable) in Category S airspace through Thailand, Myanmar, Bangladesh, India, Pakistan and Afghanistan	**2025**	Afghanistan, Bangladesh, India, Myanmar, Pakistan, Thailand	Open	Traffic operating north of Bay of Bengal airspace will traverse through Dhaka FIR, and currently no en-route ATS surveillance service provided in Dhaka FIR. To be reviewed in tandem with the Modernization Project of CNS-ATM System of Bangladesh.

ACTION ITEM	DESCRIPTION	TIME FRAME	RESPONSIBE PARTY	STATUS	REMARKS
2/8	The application of performance-based separation minima and distance-based separation minima (**RNP 10, with procedural position reports not less than 24 minutes apart**) in airspace over the high seas requires supporting procedures in ICAO Doc 7030 – *Regional Supplementary Procedures*.	~~SAIOSEACG/1~~ States (TF) report to SAIOSEACG/2	India, Indonesia, Malaysia, Myanmar, Sri Lanka	Open	~~Chennai and Kuala Lumpur ACCs to signed revised LoA by 31 January 2020.~~ Jakarta and Colombo had implemented 50 NM longitudinal spacing. Yangon and Kolkata, and Chennai had implemented 50 NM longitudinal spacing. Chennai OCC and Kuala Lumpur ACC had signed a new LoA, effected on 01 June 2021. 50 NM longitudinal spacing implemented. BOBTFRG/3 Report re: IP/03. Ref. BOBTFRG/4 WP09
2/10	Implementation of **50 NM longitudinal separation (RNAV 10/ RNP 10) with PBCS** in the BOB airspace, at or above a level to be determined	~~To be discussed at SAIOSEACG/1~~ States (TF) report to SAIOSEACG/2	States, IATA	Open	BOBTFRG/3 Report re: WP/08. No discussion at the SAIOSEACG/1 Ref. BOBTFRG/4 WP09
2/12	Implementation of RNP 4 (or RNP 2) routes within BOB airspace	~~To be determined States (TF) report to SAIOSEACG/2~~	India, Indonesia, Malaysia, Myanmar, Sri Lanka	Open	Subject to the implementation of PBCS.
2/14	Review the demand and capacity on the affected ATS routes	~~To be determined~~ 2025 (SAIOSEACG/4)	All BOBTFRG States	Open	Three months after the implementation of 30 NM longitudinal spacing on affected ATS routes within Category R airspace of BOB.
2/15	Identify solutions to integrate departing traffic from New Delhi with the BOBCAT traffic	~~To be determined~~ 2025 (SAIOSEACG/4)		Open	**Coordinate with the ATFM/SG**
2/16	Review the requirement to retain BOBCAT tool based on the increase in capacity utilising improved longitudinal spacing, taking into account forecast growth in air traffic	~~To be determined~~ 2025 (SAIOSEACG/4)		Open	

ACTION ITEM	DESCRIPTION	TIME FRAME	RESPONSIBE PARTY	STATUS	REMARKS
2/17	Make recommendations to SAIOACG on the future status of the BOBCAT tool	~~To be determined~~ 2025 (SAIOSEACG/4)		Open	
3/4	Analysis on fleet equipage in ADS-C/CPDLC, RNP 10, RNP 4 and RNP 2 (continental and oceanic)	~~SAIOSEACG/1~~ ~~States (TF)~~ ~~report to~~ ~~SAIOSEACG/2~~ BOBTFRG/6	States, ~~IATA~~	Open	BOBTFRG/3 Report re: WP/08. BOBTFRG/4 WP09 IATA presented IP06 to the ATM SG/10 Sri Lanka Colombo oceanic airspace: ADS-C/CPDLC, RNP 10, continental airspace: ADS-B/ADC-C/CPDLC, RNP10 equipped
3/5	States requiring PBCS support to implement performance-based separation to develop its PBCS implementation plan, including the expected date of implementation.	~~SAIOSEACG/1~~ ~~States (TF)~~ ~~report to~~ ~~SAIOSEACG/2~~ SAIOSEACG/3	India, Indonesia, Malaysia, Myanmar, Sri Lanka	Open	BOBTFRG/3 Report re: WP/08. BOBTFRG/4 Report re: WP/09
4/1	To investigate the possibility to include FL280 for ATS Routes L301, L524, M506, N895	BOBTFRG/5 and SAIOSEACG/2	India, Thailand, Myanmar, IATA	Open	BOBTFRG/4 WP/07 Pending on Myanmar
4/2	Report the draft Trial Implementation Plan as adopted by the meeting to report to ATM SG/11 (2023) **The 1st kick-off meeting is scheduled on 10 Jan 2023**	SAIOSEACG/2	Task Force Team (from all BOB States led by India)	~~Open~~ Completed	BOBTFRG/4 WP/03, WP08 and WP/09 BOBTFRG Decision 4-1
5/1	India and Malaysia to report on the progress of the implementation of the 30NM separation on Route N571.	SAIOSEACG/3	India, Malaysia	Open	BOBTFRG/5 Report re: WP/04 Note: The CRA issue is under negotiation.

ACTION ITEM	DESCRIPTION	TIME FRAME	RESPONSIBE PARTY	STATUS	REMARKS
5/2	States to investigate the possibility of implementing 30 NM Longitudinal Separation between aircraft with RNP4 capability, on ATS routes P574, N563, M300, and P570	SAIOSEACG/3	**Indonesia**, India, Malaysia, Singapore.	Open	BOBTFRG/5 Report re: WP/03
5/3	Finalize the safety assessment on the new route P632 (referred to as BOB01 in the APAC Route Catalogue) at the earliest opportunity.	SAIOSEACG/3	Bangladesh, India	Open	BOBTFRG/5 Report re: WP/05
5/4	Investigate for the detailed traffic and equipage data to support the implementation of PBCS.	SAIOSEACG/3 BOBTFRG/6	IATA, MAAR, BOB States	Open	BOBTFRG/5 Report re: IP/02
5/5	Conduct a Free Route Airspace (FRA) Workshop for APAC States.	2024	ICAO, IATA. Encourage all BOB States to join.	Open	BOBTFRG/5 Report re: IP/05

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