

International Civil Aviation Organization

The Fourth Meeting of the South Asia, Indian Ocean and Southeast Asia ATM Coordination Group (SAIOSEACG/4)

Bangkok, Thailand, 18 – 21 March 2025

Agenda Item 5: ATS Route Developments

ASIA/PACIFIC REGION ATS ROUTE CATALOGUE

(Presented by the Secretariat)

SUMMARY

This paper presents the *Asia/Pacific Region ATS Route Catalogue* for review and update by the meetings and email correspondences.

1. INTRODUCTION

- 1.1 The Fourteenth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/14, August 2004) under Conclusion 14/5 established the ATS Route Network Review Task Force (ARNR/TF) to review the Asia and Pacific ATS route network to determine present and future route requirements. It's been an ongoing project ever since.
- 1.2 To facilitate the amendment process and keep track of route implementation and future requirements, and with the objective of providing more up to date information on route developments, the ICAO Asia and Pacific (APAC) Regional Sub-Office has updated the *Asia/Pacific Region ATS Route Catalogue* based on the information provided by States/Administrations and airspace users through email correspondences and meetings.
- 1.3 The *Asia/Pacific Region ATS Route Catalogue* records the current status of route proposals, which may not have reached the stage of the formal proposal through the Regional Air Navigation Plan Proposal for Amendment (PfA) process.
- 1.4 The most recent Version 24.2 of the Catalogue is available at the ICAO Asia/Pacific website (https://www.icao.int/APAC/Pages/eDocs.aspx) under the 'ATM AIRSPACE' category.

2. **DISCUSSION**

- 2.1 In order to streamline the review process for updating the *ATS Route Catalogue* and enhance communication between Air Navigation Service Providers (ANSPs) and airspace users, the new edition of the *Asia/Pacific Region ATS Route Catalogue* will prioritize proposals with the highest potential for short to medium-term benefits. Those that are not feasible within this timeframe will be archived for potential future evaluation. ANSPs have been encouraged to explore all variations of the proposals to see if partial benefits are attainable, when the original proposal cannot be implemented or reached an agreement among the member States.
- 2.2 The ICAO APAC Regional Sub-Office has communicated via email with relevant States and Administrations to update the status of route proposals from recent meetings like ATMSG/12, SCSTFRG/12, and BOBTFRG/6. Updates include Malaysia's circulation of a draft Proposal for

Amendment for feedback, highlighting collaborative efforts such as Malaysian airlines' readiness for RNAV2/RNP4 specifications, and ongoing route collaborations between Vietnam and China. Progress also includes Thailand's PfA submission to ICAO and Malaysia's discussions with Indonesia regarding routes SCS 19 and SCS 20.

- 2.3 Recent efforts are also underway to enhance air route efficiency between Europe and Asia-Pacific due to increased traffic and airspace constraints from the Russia-Ukraine conflict. Initiatives include optimizing existing routes, exploring new route proposals, and establishing new entry/exit points at FIR boundaries across Europe, Central Asia, and Asia-Pacific to improve air traffic management.
- 2.4 The feedbacks received and updates have been included in the latest draft, Version 24.2, of the *Asia/Pacific Region ATS Route Catalogue*, provided in **Attachment A**.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
 - a) note the information contained in this paper;

c) discuss any relevant matters as appropriate.

b) review and update any information in draft Version 24.2 of the *ATS Route Catalogue* at **Attachment A**; and

ASIA/PACIFIC REGION ATS ROUTE CATALOGUE

INTERNATIONAL CIVIL AVIATION ORGANIZATION ASIA/PACIFIC REGIONAL OFFICE

VERSION 24.2

November 2024

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Foreword

- 1.1 The Air Navigation Plan Asia and Pacific Regions (Doc 9673) has been superseded, in electronic form by the electronic Air Navigation Plan (eANP), which contains a table of regional ATS routes in Volume II (*Table ATM II- APAC- 1 Asia and Pacific Regions ATS Routes*).
- 1.2 The Fourteenth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/14, August 2004) under Conclusion 14/5 established the ATS Route Network Review Task Force (ARNR/TF) to review the Asia and Pacific ATS route network to determine present and future route requirements. To facilitate the amendment process and keep track of route implementation and future requirements, and with the objective of providing more up to date information on route developments, ARNR/TF prepared the draft Asia/Pacific Region ATS Route Catalogue.
- 1.3 APANPIRG/16 (August 2005, Bangkok), recognizing the value of a consolidated reference document for the regional ATS routes and future route requirements of States and airspace users, accepted the Asia/Pacific Region ATS Route Catalogue under Decision 16/9. The ATS Route Catalogue is intended to be a living document, supplementing the eANP and maintained by the ICAO Asia and Pacific (APAC) Regional Sub-Office on behalf of the ICAO Asia and Pacific Office. Communication related to the ATS Route Catalogue should be made via email to apac-rso@icao.int.
- 1.4 A Contracting State or qualifying International Organization identifying a need for a new route requirement to be included in the eANP or to change an existing route contained in the eANP, may submit an amendment proposal to the ICAO APAC Regional Office in accordance with established procedures summarized below and the template provided on the ICAO APAC website.
- 1.5 Appropriately presented and documented proposals to amend the eANP are submitted to the ICAO Secretary General through the Regional Office and circulated to States and International Organizations for comment. If, in reply to the ICAO Regional Office's inquiry, no objection is raised to the proposal by a specified date, it will be deemed that a regional agreement (involving the relevant PIRG) on the subject has been reached. The Regional Office will inform States and International Organizations concerned of the approval and the eANP will be amended accordingly.
- 1.6 If, in reply to the ICAO Regional Office's inquiry, any objection is raised, and if objection remains after further consultation, the matter will be documented for discussion by APANPIRG and, ultimately for formal consideration by the Air Navigation Commission, if it remains unresolved. If the Commission concludes that the amendment is acceptable in its original or other form, it will present appropriate recommendations to the Council.
- 1.7 The APAC Regional Sub-Office, which is responsible for maintaining the ATS Route Catalogue, will update the *ATS Route Catalogue* from time to time as amendment proposals are presented, progressed and agreed or not agreed. The revision number and date shown on the cover page of the Catalogue. The *Asia/Pacific Region ATS Route Catalogue* is posted on the ICAO APAC website at (https://www.icao.int/APAC/Pages/default.aspx).
- 1.8 *The Asia/Pacific Region ATS Route Catalogue* is now as follows: Chapter 1: South Asia; Chapter 2: Southeast Asia; Chapter 3: East Asia; Chapter 4: Trans-Regional (South Asia); Chapter 5: Trans-Regional (East Asia); and Chapter 6: Pacific.

- Regional ATS route proposals affecting Asia/Pacific airspace should be presented as part of a paper to ATM coordination groups or other suitable bodies, and then may be entered into the Asia/Pacific Region ATS Route Catalogue by the Regional Office. The APAC Regional Office or Regional Sub-Office will periodically present to appropriate ATM coordination groups or other suitable bodies the proposals within their geographical area of interest for review.
- 1.10 The *Asia/Pacific Region ATS Route Catalogue* contained proposals for route changes that had not yet been agreed and implemented.
- 1.11 States in APAC were required to reclassify the routes as:
 - Priority A Short Term i.e. it could be implemented within 12 months;
 - Priority B Medium Term i.e. it could be implemented within 13 to 36 months;
 - Priority C Long term i.e. more than 36 months; and
 - Priority D Cannot be implemented (reasons to be provided).

As some States were not represented, these routes were classified as Priority C and will be updated when more information becomes available.

- 1.12 IATA has also prioritised the routes in terms of efficiency and environmental benefits as:
 - HIGH one of top priorities for airlines; or
 - MEDIUM has significant benefits but can wait until high priority proposals are implemented; or
 - LOW the route proposal may be deleted if the State cannot implement within 36 months.
- 1.13 After review, the *Asia/Pacific Region ATS Route Catalogue* may be updated by:
 - deletion of the proposal when the proposal has been agreed and entered into the eANP;
 or
 - deletion of the proposal when it has been decided that there is no possibility of implementation in the foreseeable future [i.e.: the proposal has had <u>no</u> progress in the past five years, or it is a Priority C or D (more than 36 months) by States and is assigned a LOW priority by IATA]; or
 - amendment with the addition of supplementary information; or
 - addition of a new ATS route proposal.

Amendment Record

Version	Date	Amended by	Comments
0.1	14 February 2005	-	ARNR/TF/2 developed draft version.
0.2	5 May 2005	ARNR/TF/3	Finalized format following contribution from members.
0.3	29 July 2005	ATM/AIS/SAR/SG/15	Sub-Group concluded the Catalogue be adopted (Draft Conclusion 15/3).
1	26 August 2005	APANPIRG/16	APANPIRG/16 decided that the Catalogue be accepted (Decision 16/9).
2	24 January 2006	BBACG/17	Reviewed and updated the Catalogue.
3	19 May 2006	SEACG/13	Reviewed and updated the Catalogue.
4	26 January 2007	BBACG/18	Reviewed and updated the Catalogue.
5	23 May 2008	SEACG/15	Reviewed and updated the Catalogue.
6	15 May 2009	SEACG/16	Reviewed and updated the Catalogue.
7	27 May 2010	SEACG/17	Reviewed and updated the Catalogue.
8	10 March 2011	BBACG/21	Reviewed and updated the Catalogue.
9	6 May 2011	SEACG/18	Reviewed and updated the Catalogue.
10	22 September 2011	SAIOACG/1	Reviewed and updated the Catalogue.
11	22 June 2012	ATM/AIS/SAR/SG/22 APANPIRG/23	Reviewed, reformatted, and updated the Catalogue, approved by APANPIRG/23.
12	26 June 2013	SAIOACG/SEACG, ATM/SG	Reviewed, reformatted, and updated the Catalogue, approved by APANPIRG/24.
13	11 September 2014	SAIOACG/SEACG, ATM/SG APANPIRG/25	Reviewed subsequent to Easter Island being transferred out of the Region; added trans-regional proposals
14	September 2015	SAIOACG/SEACG, ATM/SG APANPIRG/26	Removal of Chapter A (BANP routes).
15	September 2016	SAIOACG/SEACG, ATM/SG APANPIRG/27	Reviewed and updated the Catalogue.
16	August 2017	SAIOACG/SEACG, ATM/SG	Reviewed and updated the Catalogue.
17	September 2018	SAIOACG/SEACG, ATM/SG	Reviewed and updated the Catalogue, incorporated IATA inputs, added State and IATA priority label.

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18	April 2019	SAIOACG/9, SEACG/26	Reviewed and updated the Catalogue.
19	September 2019	ATMSG/7, AIRARD TF/4	Reviewed and updated the Catalogue.
20	December 2020	ATMSG/8	Reviewed and updated the Catalogue.
21	November 2021 March 2022, October 2022	SAIOACG/10, SEACG/27, ATM/SG/9, SAIOSEACG/1, ATM/SG/10	Reviewed and updated the Catalogue.
	December	BOBTFRG/4	
22	March 2023 July 2023	SAIOSEACG/2 SCSTFRG/11	Reviewed and updated the Catalogue.
23	October 2023 December 2023 April 2024	ATMSG/11 BOBTFRG/5 SAIOSEACG/3	Reviewed and updated the Catalogue.
24	September 2024 November 2024 November 2024	ATMSG/12 SCSTFRG/12 BOBTFRG/6	Reviewed and updated the Catalogue.

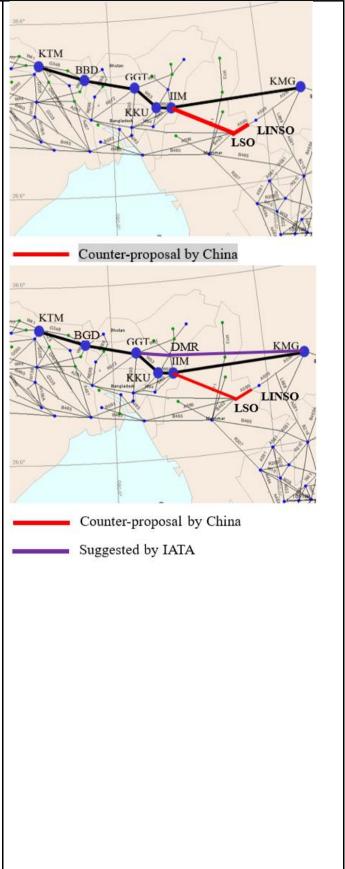
Chapter 1: South Asia

(referred to: SAIOACG, BOBASIO, ASIOACG as appropriate for review)

ATS Route Name	HIMALAYA 02
State Priority	D
IATA Priority	HIGH
Requested by (when)	Nepal (01/09/2018)
States/Administrations Involved	Nepal, India, Myanmar, China (Kathmandu, Kolkata,
	Yangon, Kunming FIRs)
Route Description	Kathmandu (KTM) 2740.5N 08521.0E –Bagdogra
	(BGD) 264118N 0881934E – Guwahati (GGT)
	2606.1N 09135.3E – Silchar (KKU) 2454.8N
	09258.9E – Imphal (IIM) 2446.0N 09354.5E –
	Kunming (KMG) 2501N 10244E
	Alternate proposal by IATA:
	Kathmandu (KTM) 2740.5N 08521.0E – Bagdogra
	(BGD) 264118N 0881934E – Guwahati (GGT)
	2606.1N 09135.3E – Dimapur (DMR) 255251.30N
	0934655.29E – Kunming (KMG) 2501N 10244E
Flight Level Band	
Benefit (fuel, environmental)	110 NM / 15 minutes, 520 kg fuel, 1640 kg CO ₂ per
	flight
	Potential to save 19 to 25 minutes per flight and assist
	in decongesting A599/Lashio.
Operational Information	
(potential airlines, flight frequency,	
potential city pairs)	
Remarks: IATA North Asia Office	30.0*
approached China who have indicated this	
route will be considered as part of the	KTM
overall China route review – no timeline	G348 BBD Bhotan
was given. China advised that they would	GGT
seriously look at the proposal and would	Will Sold Sold Sold Sold Sold Sold Sold So
coordinate with Nepal (ref. para 8.4 of the	Bangladen Mag
SEA-RR/TF/4 report). At SAIOACG/9:	100 To To
with the improvement of surveillance	B465 Monay B465
capability, Myanmar would review this	
proposal. At ATMSG/7: Under	\$ 1
consideration by China; and Myanmar	200°
commented this route proposal would be	
dependent on the enhancement of	- Value of the contract of the
surveillance and communication coverage	
in the area. 26/09/2020: Nepal updated	
this route proposal was under discussion with Myanmar, and they were optimistic	
with Myanmar, and they were optimistic that communication and surveillance	
capabilities would be available in Yangon	
FIR in the near future to support the implementation of this route, 20/11/2020:	
implementation of this route. 20/11/2020:	
China commented that it was not possible	
to establish a new entry/exit point, and	
counter-proposed to re-align IIM – LSO –	
LINSO (existing entry/exit point between	

Yangon and Kunming FIRs). At ATM/SG/8: In response to China's counter-proposal, Myanmar provided their disagreement; and India commented the existing established routes in Kolkata FIR (i.e. W137, W53 and W55) was for domestic operations only, and India would need to review the possibility of opening these routes for international operations. India also suggested that in light of this, and the delay of more than nine years and the positions of Myanmar and China, Nepal may wish to consider a new proposal. At ATM/SG/9: IATA commented that based on detailed reassessment conducted by airlines, it confirmed a 'HIGH' priority to HIMALAYA 02. In addition, IATA suggested an alternate proposal which had potential to save up to 19 to 25 minutes, and would also help to decongest ATS route A599/Lashio (LSO) and save additional 88 NM compared with IIM – LSO - LINSO route. IATA also requested India to consider keeping ATS route J7 (CDR2/3 route between GGT -DMR) available based on traffic demand timings. Nepal supported the alternate proposal as suggested by IATA, and would coordinate and hold a consultation meeting with the various stakeholders. China commented that it was not possible to establish a new entry/exit point. At BOBTFRG/3: Myanmar supported the proposal by IATA; India expressed its concern in getting a favourable response from its military authorities for the route between Guwahati (GGT) - Dimapur (DMR) – Kunming (KMG). According to India, implementing the route from Imphal (IIM) to Kunming (KMG) was more feasible. Given the fact that China had revised the priority as "D", IATA was requested to consider the position of China before pursuing the proposal; and Bangladesh suggested IATA to consider: Kathmandu (KTM) – Saidpur (SDP) – Silchar (KKU) - Imphal (IIM) - Kunming (KMG). 27/1/2022: Nepal is having in-house

discussion and consultation with different



stakeholders and planning to coordinate with the affected States soon.

1/3/2022: IATA may request that China explores possibility in near future of opening up additional entry/exit as this has direct savings to flights from Nepal and China.

3/3/2022: China commented there is no status update.

In August 2022, China commented that there was no plan to establish a new entry/exit point and suggested considering the route proposal based on the current existing entry/exit point LINSO. BOBTFRG/4: Noting that with the upgradation of Bangladesh's CNS/ATM system, full coverage of communication in Dhaka FIR would be available shortly. so taking consideration of China's counter-proposal, Bangladesh proposed two route options as: Kathmandu (KTM)-Saidpur (SDP)-SYT-LSO or, Kathmandu (KTM)- Saidpur (SDP)-SYT- Imphal (IIM)-LSO. India commented that further meaningful discussion of this proposal should be based on the basic agreement between China and Myanmar.

Before SAIOSEACG/2, Nepal implied that they would like to insist on their initial proposal if IATA's proposal is not acceptable and pointed out that Nepal would put further efforts to discuss with the Chinese Authority to see the further possibilities without deviating much from the initial proposal.

At SAIOSEACG/2

a)Nepal reiterated that they would like to retain their initial proposal if IATA's proposal is not acceptable and pointed out that Nepal would put further efforts into discussing with the relevant States to see the further possibilities without deviating much from the initial proposal. IATA supported.

b)Considering the divergence on the segment, in terms of FMS load for track change from KTM to KMG, Bangladesh requested IATA to reconsider their proposal for the segment from:



[Map provided by ICAO]

Kathmandu (KTM)- Saidpur (SDP)-SYT- Imphal (IIM).

- c)Myanmar stated they did not agree with the road segment from IIM LSO LINSO.
- d)China commented that there was no plan to establish a new entry/exit point so far.
- e)Given that the situation had not changed for more than 15 years, India suggested Nepal re-evaluate this proposal. In response, Nepal stated that they would re-evaluate the proposal, and if there would be a possibility for modification, they would present a working paper accordingly in the next appropriate ICAO forum.

At ATMSG/11

During the meeting, Nepal suggested that the Hymalaya02 route should remain in this catalogue. In response, the Regional Sub-Office will continuously discuss it within the ATS route catalogue.

At SAIOSEACG/3,

Nepal introduced the Himalaya-2 route at the meeting, emphasising its potential to enhance economic viability and environmental sustainability for air travel.

India stated that since domestic routes are involved, it has to review international operations on these routes. It also stated that this route passes through military areas, for which discussion with military authority is required. India also suggested that Nepal's route may be finalised and discussed with Myanmar (an important stakeholder) first before consideration by other concerned states.

Bangladesh suggested Nepal to consider their proposal for the segment from Kathmandu (KTM) - Saidpur (SDP) - SYT - Imphal (IIM).

The meeting recognised that further meaningful discussion of this proposal should be based on the basics of Myanmar's presence. In this connection, Nepal agreed to refine the route proposal

taking into consideration of comments from Bangladesh and China and requested ICAO to set up a coordination meeting that involved all stakeholders, including Myanmar, for necessary discussion on the matter.

At the side meeting, China and Nepal reviewed all four proposed schemes for this route proposal and particularly discussed the fourth scheme (i.e. IIM-LINSO) in depth. China acknowledged about using the existing entry/exit FIR boundary point, etc. Nepal agreed to consider these technical concerns further. Both China and Nepal agreed that they would continue to maintain close contact on this proposal via ICAO RSO.

Before the SAIOSEACG/4 meeting, Nepal updated through email that they wish to keep it in this ATS route catalogue with high priority. Nepal said that this route will be crucial to achieve the strategic objectives of ICAO. IATA also has given this route high priority.



Himalaya 2 as New Proposal by Nepal

Attachment A	
ATS Route Name	IND 07 (N877 Extension)
State Priority	D
IATA Priority	MEDIUM
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	India, Pakistan, Afghanistan (Mumbai, Delhi,
	Karachi, Kabul FIRs)
Route Description	Pratagarh (PRA) 2401.8N 07445.0E – SERKA
	2951.0N 06615.0E – SOKAM 3313.3N 06037.9E
Flight Level Band	28,000 - 46,000 ft
Benefit (fuel, environmental)	51 NM / 7 minutes, 835 kg fuel, 2,630 kg CO ₂ per
	flight, 3,387 tonnes fuel, 10,668 tonnes CO ₂ annually
Operational Information	LH, KL
(potential airlines, flight frequency,	KUL/SIN – Middle East – East/Europe
potential city pairs)	
Remarks: This proposal predates the	
extension of UL333 through Kabul FIR and	
has been under consideration for a number	SOKAM
of years. The extension of UL333 is under	
utilised against other Kabul routes largely	
due the 45 NM 'penalty' in track mileage	
the current route structure requires. The	SERKA
route's primary benefit at this stage will be westbound and during BOBCAT traffic	SERVA
flow. Extension completed SERKA to	
SOKAM. Update 08/02/13: PRA –	
SERKA has been approved by India after	
lengthy consultation with the military,	903
complementary action from Pakistan	PRA
awaited. At SAIOACG/9: Pakistan	
commented this route proposal was very	
unlikely to be implemented. Future of this	
route would be decided at SAIOACG/10 in	
2020. Update from India on 02/08/2019:	
Since the proposal is pending concurrence	
of Pakistan for a long time, India need to	1 1 V V
renegotiate the proposal with military after	
comments from Pakistan. 17/08/2020: The	_~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
designated established military areas in	
Karachi FIR and route structure (crosse	√
routes near the boundary with Delhi land	
Kabul FIRs) does not allow the	
establishment of this route. Pak star proposed for deletion. At ATMSG/8:	
IATA preferred this route proposal to be	
retained in the Catalogue. At	
BOBTFRG/3: Pakistan re-affirmed that the	
designated established military areas in	
Karachi FIR and route structure (crossing	
routes near the boundary with Delhi and	
Kabul FIRs) would not permit the	
establishment of this route.	
Total Indiana of this fout.	

1/3/2022:IATA wants this proposal to be	
archived and reintroduced if/when future	
possibilities permit its success.	
BOBTFRG/4: Pakistan reaffirmed that the	
proposed route was not feasible and	
supported archiving this proposal for future	
possibility, and IATA had no objection.	

ATS Route Name	BOB 01
State Priority	
IATA Priority	HIGH
Requested by (when)	IATA (05/11/2021: ATM/SG/9)
States/Administrations Involved	India, Bangladesh, Myanmar (Chennai, Kolkata, Dhaka, Yangon FIRs)
Route Description	Option 1: SUGAN 152500N 0825045E – New Waypoint 192600N 0920000E (FIR BDRY between Kolkata and Yangon) – Sittwe (STW) – Mandalay (MDY)
	Option 2: Vishakhapatnam (VVZ) 174003.90N 0831510.00E - RUMUN 185805N 0891420E - New Waypoint 192600N 0920000E (FIR BDRY between Kolkata and Yangon) - Sittwe (STW) - Mandalay (MDY)
	Counter proposal by India: Eastbound: Q10 - TATUX - DOPID - MDY. Westbound: MDY - DOPID - KAGUL - Q11.
	Counter proposal by Bangladesh: TATUX-DOPID-Cox's Bazar -CHILA-A599- LSO-LINSO
Flight Level Band	All suitable bi-directional flight levels. Else, at least suitable eastbound flight levels. (airline operators preferred flight level would be FL330 as primary and FL310 as secondary)
Benefit (fuel, environmental)	Option 1: Narrow body fixet: 24 NM / 12 minutes, 456 kg fuel, 1.5 tonnes CO per fight, 166 tonnes fuel, 548 tonnes CO ₂ annually With body fleet: 94 NM / 12 minutes, 900 kg fuel, 3.0 tonnes CO per flight, 329 tonnes fuel, 1095 tonnes CO ₂ annually
	Option 2: Narrow body fleet: 71 NM / 9 minutes, 344 kg fuel, 1.1 tonnes CO ₂ per flight, 126 tonnes fuel, 402 tonnes CO ₂ annually Wide body fleet: 71 NM / 9 minutes, 679 kg fuel, 2.2 tonnes CO ₂ per flight, 248 tonnes fuel, 803 tonnes CO ₂ annually
Operational Information (potential airlines, flight frequency, potential city pairs)	About 110 flights per week Africa/South Asia – Far East, Southern India – East Coast of the United States

Remarks: The proposed routes would efficiently connect South West Bay of Bengal traffic and Far East. At BOBTFRG/3: In order to conduct better assessment, India requested IATA to provide the analysis of the fleet equipage in ADS-C/CPDLC and PBCS. IATA provided its analysis result on fleet readiness of its members in the SAIOSEACG/1 meeting (Mar. 2022).

(8/8/2022)India in its assessment on BOB01 & BOB02 commented the proposed routes are outside the SUR and VHF coverage imposing unnecessary restrictions for all other cross-cutting routes.

Therefore proposed alternatives as

Therefore proposed alternatives as below:

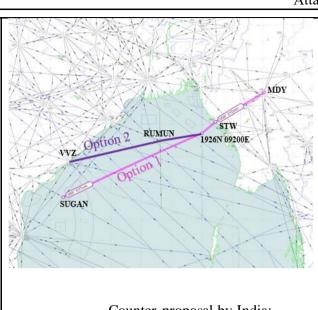
Eastbound aircraft via Q10: TATUX - DOPID - MDY. Westbound aircraft: MDY - DOPID - KAGUL - Q11.

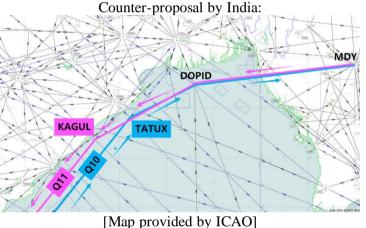
India stated this would improve the availability of getting optimum flight levels (well covered by SUR and VHF in Kolkata FIR) and require the approval of Bangladesh and Myanmar.

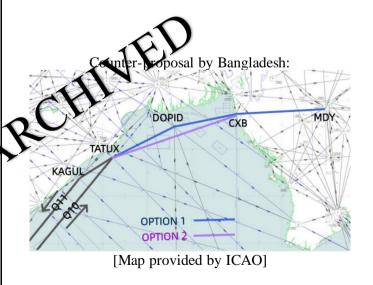
ATMSG/10: Bangladesh commented that India's counterproposal overflies the designated established military areas, so Bangladesh needs to consult with the military authorities.

BOBTFRG/4: Bangladesh noted that the consultation with the military authority was still under process. To avoid the Danger area two more alternative options are proposed with a connection to the new DVOR (Cox's Bazar, CXB), which is under construction and would be available in three months, detailed as follow:

DOPID-Cox's Bazar (CXB DVOR)-MDY or, TATUX-Cox's Bazar (CXB DVOR)-MDY. In response to Bangladesh's counterproposal, IATA suggested







Counter-propasal by IATA:

specifying a new waypoint at the position of Cox's Bazar instead of waiting for the availability of the new DVOR and proposed the following route connecting Cox Bazar-APAGO-CHILA and onwards joining ATS Route A599: TATUX-DOPID-Cox's Bazar - APAGO-CHILA-A599- LSO-LINSO

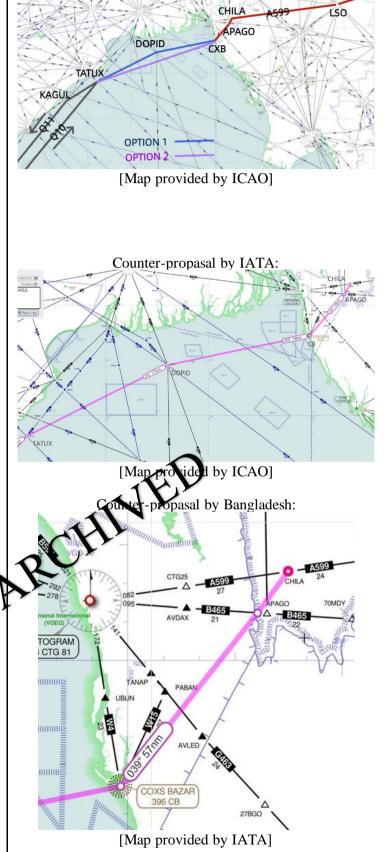
Before SAIOSEACG/2, all stakeholders had extensive discussion on the BOB01. IATA affirmed its proposal:
A599 – CHILA - APAGO – CB (Coxs Bazar) – DOPID –
TATUX - KAGUL Q11.
Bangladesh suggested to skip the waypoint "APAGO".

At the SAIOSEACG/2:

- a) India and IATA had no objection to Bangladesh's counter-proposal in principle.
- b) In response to India's concern about the handover separation, Bangladesh confirmed that they could accept the transfer separation from Yangon FIR.

c) Myanmar suggested to consider

- Bangladesh's counter proposal:
 A599 CHILA– CB (Coxs Bazar)
 DOPID TATUX KAGUL
 Q11, and pointed out that the
 optimization of the FLAS operation
 was the major issue which needed
 to be addressed before the
 establishment of the new route.
- d) Bangladesh suggested the resolution on the new route would be finalized considering the revision of LOA between Bangladesh-India and Bangladesh-Myanmar.
- e) IATA suggested Bangladesh and India to consider an interim solution making BOB 01 an Eastbound airway, establishing eastbound air traffic on present A599 and B465 airways before



entering into Yangon FIR; till the time Myanmar raised FLAS issues are sorted out, then enabling BOB01 for Westbound flights.

After SAIOSEACG/2: ICAO RSO hosted a special coordination meeting (Video Teleconference, 11 May 2023), involving Bangladesh, India and IATA. The Special coordination meeting formally agreed to establish the BOB01 Route proposal connecting SURUP - KAKID – GOLAN - (WPT1) - (WPT 2) - Chattogram (CTG). This bi-directional route option saves about 55NM, expected to benefit about 110 weekly flights.

At the BOBTFGR/5, The discussion highlighted the near-finalization of new route proposals involving Bangladesh and India. The meeting was informed that the Route designator has been approved as P632.

The need for a formal safety assessment process for the proposed routes was emphasized. Bangladesh and India indicated their commitment to finalizing the necessary safety assessments, including participation from ICAO for supervisory guidance.

Participants expressed hope that the proposed amendments to the routes would be promulgated in the first quarter of 2024, subject to the completion of safety assessments.

At the SAIOSEACG/3 meeting, Bangladesh and India presented the update of establishing BOB 01 route

It was intimated that Bangladesh and India have already conducted a safety assessment in the second week of April. The PfA has already been submitted to the ICAO APAC office. Following the approval of



Formally agreed BOB01 Route Proposal (Pink line – Agreed Direct Route, Red lines – Present routes)

SAIOSEACG/4- WP/13 18 - 21/03/2025

PfA by the ICAO Office and the signing of the LoA by both states, the ATS route shall be promulgated by both countries, which will be a	
part of a regional network of ATS Routes.	

ATS Route Name	BOB 02
State Priority	
IATA Priority	HIGH
Requested by (when)	IATA (05/11/2021: ATM/SG/9)
States/Administrations Involved	India, Bangladesh, Myanmar (Kolkata, Yangon FIRs)
Route Description	KAKID 203833N 0865951E – TEBOV 202504N
-	0915949E – Mandalay (MDY)
	Counter proposal by India:
	Eastbound: Q10 - TATUX - DOPID - MDY.
	Westbound: MDY - DOPID - KAGUL - Q11.
Flight Level Band	All suitable flight levels
Benefit (fuel, environmental)	Narrow body fleet: 50 NM / 6 minutes, 228 kg fuel, 750
	kg CO ₂ per flight, 83 tonnes fuel, 274 tonnes CO ₂
	annually
	Wide body fleet: 50 NM / 6 minutes, 450 kg fuel, 1.5
	tonnes CO ₂ per flight, 164 tonnes fuel, 548 tonnes CO ₂
	annually
Operational Information	About To dights per week
(potential airlines, flight frequency,	Africa/South Asia – Far East, Southern India – East Coast of the United States
potential city pairs)	Cosst of the United States
Remarks: The proposed route would not only provide efficient connects in	
over Bay of Bengal, but it world also	
help in de-congesting ATS routes	
A791, B465, Q19 and Q20. At	
BOBTFRG/3: In order to conduct	MDY
better assessment, India requested	RAKID
IATA to provide the analysis of the	(6) 25 mm
fleet equipage in ADS-C/CPDLC and	TEBOV
PBCS.	
	X / Y / J J J / J / J
(08/08/2022)India in its assessment on	
BOB01 & BOB02 commented the	
proposed routes are outside the SUR	
and VHF coverage imposing	1 - 1 - 1 - 1 - MI
unnecessary restrictions for all other	Country managed by India we eniginal managed by
cross-cutting routes. Therefore	Counter-proposal by India vs original proposal by IATA:
proposed alternatives as below:	IAIA.
Eastbound aircraft via Q10: TATUX -	
DOPID - MDY. Westbound aircraft: MDY - DOPID - KAGUL - Q11. India	MDY
stated this would improve the	KAKID DOPID
availability of getting optimum flight	
levels (well covered by SUR and VHF	TÈBOV
in Kolkata FIR) and require the	KAGUL
approval of Bangladesh and Myanmar.	
ATMSG/10: Bangladesh commented	80
that India's counter-proposal overflies	
the designated established military	IMagazzid 11 IGAO
	[Map provided by ICAO]

areas, so Bangladesh needs to consult with the military authorities. (16/11/2022) In response to India's concerns about SUR and VHF coverage, IATA suggested that with the issuing of the ADS/C &CPDLC mandate, PBCS-equipped aircraft could operate on this proposed route. Regarding the military area, IATA pointed out that the danger area VGD-31 was permanently removed; thus, the possible route connecting DOPID (India proposed waypoint)-TEBOV is not affected by the consequent restrictions(see the Map provided by IATA). Considering the complexity of this airspace, IATA preferred this route to be retained separately and discussed in tandem with BOB01. BOBTFRG/4: Considering the complexity and constraints in the area Bangladesh and India wanted to focis on Bangladesh's counter-prop BOB 01 in the first place.

Since the SWG has prioritised the BOB01 as the primary task, it was proposed by IATA that BOB02 to be archived for future possibility.

The SAIOSEACG/2 agreed that BOB02 be retained in the route catalogue.

At the BOBTFGR/5, there was a consensus to move the BOB 02 route proposal into archives since the BOB 01 route has reached it's final stages of implementation. IATA, Bangladesh, and India agreed with this decision

Possible route overflies VGD-31(permanently removed):

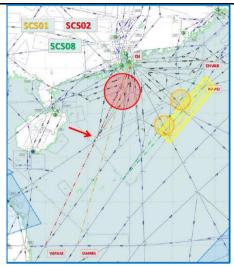
VGD-31

[Map provided by IATA]

Chapter 2: Southeast Asia

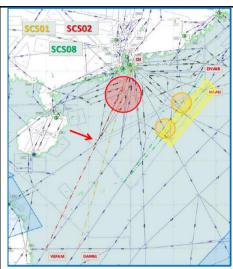
(referred to SEACG for review)

ATS Route Name	SCS 01
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	Viet Nam, China, Hong Kong China (Ho Chi Minh,
	Sanya, Hong Kong FIRs)
Route Description	DAMEL 1358.7N 11130.6E – Cheung Chau (CH)
_	2213.2N 11401.8E
Flight Level Band	28,000 – 46,000 ft
Benefit (fuel, environmental)	23 NM / 4 minutes, 300 kg fuel per flight, 1,560
	tonnes fuel, 4,914 tonnes CO ₂ annually
Operational Information	CX, KA, MH, SQ
(potential airlines, flight frequency,	More than 100 flights per week
potential city pairs)	SIN – Pearl River Delta airports
Remarks: Proposed route shortening for	
M771 into the Pearl River Delta area.	СН
During SEACG/19 in WP09 Hong Kong	
China advised they had studied the proposal	
for track shortening and advised the	
proposed change would reduce capacity of	
A1/P901. It would also require an extensive	
change in the flight route system and ATC	
sectors in Hong Kong FIR. However, Hong	
Kong China would continue to study this	
proposal for the implementation of RNP4/2. At SEACG/26: Hong Kong China	
commented they would need to review the	
integration of this route proposal with its	
planned airspace enhancement projects.	
Update from Viet Nam on 22/07/2019: Viet	DAMEL
Nam has no objection, subject to agreement	
from China and Hong Kong China.	
23/10/2020: China commented the proposal	
was under consideration. 30/10/2020:	
Hong Kong China commented SCS 01 and	
SCS 02 were conflicting with each other	
(see the red circle in the figure below). The	
two routes would create additional	
confliction points in the most congested	
ATC sector and ATS route segment in the	
Hong Kong FIR (see the red circle and	
arrow in the figure below). Therefore, these	
two routes were not recommended.	



At ATMSG/8: IATA provided updates on IATA priority; implementation benefits; and operational information. 29/09/2021: China commented SCS 01 would create conflict with existing ATS routes A1, L642 and M771, and therefore not recommended for implementation. At ATM/SG/9: IATA provided update on the route operational information.

ATS Route Name	SCS 02
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	Viet Nam, China, Hong Kong China (Ho Chi Minh,
	Sanya, Hong Kong FIRs)
Route Description	VEPAM 1358.0N 11000.0E – Cheung Chau (CH)
_	2213.2N 11401.8E
Flight Level Band	28,000 – 46,000 ft
Benefit (Environmental)	12 NM / 1 minutes, 200 kg fuel per flight, 2,080
	tonnes fuel, 8,580 tonnes CO ₂ annually
Operational Information	CX, KA, MH, SQ
(potential airlines, flight frequency, potential	More than 200 flights per week
city pairs)	SIN – Pearl River Delta airports
Remarks: Proposed route shortening for	
L642 out of the Pearl River Delta area.	
During SEACG/19 in WP09 Hong Kong	
China advised they had studied the proposal	
for track shortening and advised the proposed	
change would reduce capacity of A1/P901.	
It would also require an extensive change in	
the flight route system and ATC sectors in	
Hong Kong FIR. However Hong Kong,	
China would continue to study this proposal	
for the implementation of RNP4/2. At	
SEACG/26: Hong Kong China commented	
they would need to review the integration of	
this route proposal with its planned airspace	
enhancement projects. Update from Viet	VEPAM
Nam on 22/07/2019: Viet Nam has no	TALXI LIV IN
objection, subject to agreement from China	
and Hong Kong China. 23/10/2020: China commented the proposal was under	
consideration. 30/10/2020: Hong Kong	
China commented SCS 01 and SCS 02 were	
conflicting with each other (see the red circle	
in the figure below). The two routes would	
create additional confliction points in the	
most congested ATC sector and ATS route	
segment in the Hong Kong FIR (see the red	
circle and arrow in the figure below).	
Therefore, these two routes were not	
recommended.	
recommended.	



At ATMSG/8: IATA provided updates on implementation benefits; and operational information. 29/09/2021: China commented SCS 02 would create conflict with existing ATS routes A1, L642 and M771, and therefore not recommended for implementation. At ATM/SG/9: IATA provided update on the route operational information.

ATS Route Name	SCS 11
State Priority	В
IATA Priority	LOW
Requested by (when)	IATA (10/03/2015: SEACG/22)
States/Administrations Involved	Viet Nam, Singapore, Malaysia (Ho Chi Minh,
	Singapore, Kuala Lumpur FIRs)
Route Description	Kuala Terengganu (VKR) 0521.6N 10304.9E –
	BITOD 0715.4N 10407.1E
Flight Level Band	
Benefit (fuel, environmental)	6 NM / 0 minutes, 23 kg fuel per flight, 167 tonnes
	fuel, 527 tonnes CO ₂ annually
Operational Information	MH, VN
(potential airlines, flight frequency,	At least 20 flights per week
potential city pairs)	KUL – HAN/PNH/SGN
Remarks: At SEACG/26: Malaysia, Singapore and Viet Nam had agreed in principle the feasibility of the route	
proposal. The States concerned would meet	ВІТО
to further discuss the proposal in due time,	Total
and Malaysia agreed to become the lead	
coordinator. Update from Viet Nam on	
22/07/2019: Viet Nam proposed the	Monthopal I
following route proposals for consideration	(CO.) BONG) (102 Vol (7)) (103 Vol (7))
by Malaysia and Singapore: Uni-directional	
eastbound route VKR – BITOD – PQC;	A APOS OF THE PROPERTY OF THE
and uni-directional westbound route PQC –	VKR (MALA TRANSPARIU)
IGARI - LASOB. IGARI - BITOD LASOB - VER	TOTAL DESCRIPTION OF THE PROPERTY OF THE PROPE
At ATMSC/7: Malaysia would lead the	
At ATMSG/7: Malaysia would lead the tripartite meeting, expected during the	
SCSTFRG/8 in September 2019. At	
ATMSG/8: This route proposal was under	
consideration by Viet Nam; and IATA	
provided updates on IATA priority,	
implementation benefits and operational	
information. 08/10/2021: Malaysia	
commented they would host the meeting	
between Malaysia, Singapore and Viet Nam	
in Q4 2021 or Q1 2022.	
22/2/2022: the tripartite meeting btw	
Malaysia, Singapore and Viet Nam was	
canceled and will be rescheduled to report	

the discussion outcome to SCSTFRG/10 meeting (scheduled 31/5 - 1/6 2022) In the tripartite meeting in Sept 2022, Viet Nam proposed the following route proposals:

unidirectional Eastbound: VKR-IPRIX-BITOD-PQU; and unidirectional Westbound: PQU-IGARI-LASOB.

Upon agreement by States concerned (Malaysia and Viet Nam), IATA proposed an extention from IPRIX to VIGEN to this proposal for smooth joining to M765 saving 5-6 NM for eastbound flights.

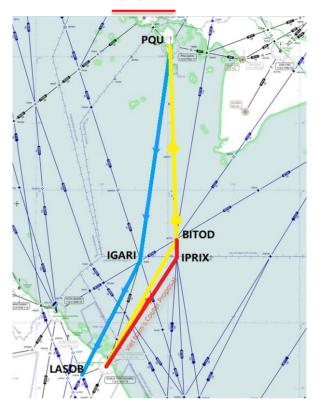
Before SAIOSEACG/2, Malaysia indicated that Malaysia, Singapore and Vietnam have broadly agreed to the proposal. Malaysia's proposal for the Coordination Procedure has been agreed by Singapore pending Viet Nam acknowledgement.

At SAIOSEACG/2, regarding the additional proposal by IATA to further line up the IPRIX to VIGEN, Viet Nam declined based on their safety and efficiency evaluation.

At SCSTFRG/11, Viet Nam submitted the IP05 that commented at the Tripartite Meeting (through a video teleconference) between Malaysia, Viet Nam, and Singapore on the ATS route, and other relevant issues on 28 July 2022. Viet Nam principally agreed to the proposal for the establishment of a new ATS route as requested by IATA. Viet Nam suggested a minor adjustment to the proposal, stating that VKR-IPRIX should be used instead of VKR-BITOD to minimize the number of transfer points at IPRIX and reduce the workload of ATC. Viet Nam also suggested RNAV 2/RNP 2 for both routes. The timeline depends on the Malaysia and Singapore sides.

At the SAIOSEACG/3 meeting, Malaysia suggested to apply RNP10 route specification on the proposed routes. Singapore had no objections to either RNP2 or RNP10 navigation specifications for the proposed routes but highlighted that there are some operational details that need to be

Counter-proposal by Viet Nam:

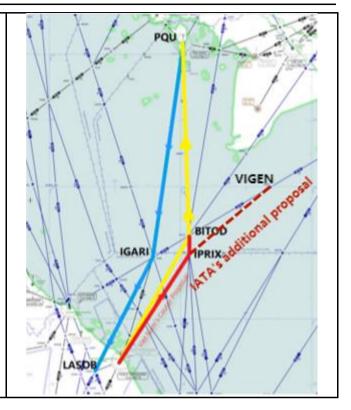


Suggested by IATA:

further discussed between the three States involved. In line with the APAC Seamless ANS Plan, ICAO recommended RNAV2 and RNP 4 as preferable options for future air navigation, and the suggestion was echoed by Viet Nam. As requested by Malaysia, IATA agreed to investigate the fleet equipage operating in the area.

At the SCSTFRG/12 meeting, Malaysia has engaged with local airlines operating in the area and confirmed that they are ready for RNAV2/RNP4. Further discussions with the relevant states are scheduled to take place in Q1 2025.

Before the SAIOSEACG/4 meeting, Malaysia updated through email that technical discussion between CAAM and CAAS was conducted on 18/2/25. Tripartite discussion is proposed in Q2/3 subject to states availability.



State Priority Requested by (when) Route Description ENREP 045223.88N 1041442.00E – OLKIT 045012.12N 1115118.00E or ENREP 045223.88N 1041442.00E – TERIX 041520.88N 1093455.92E At or below 29,000 ft 107 NM / 12 minutes, 365 kg fuel, 1,153 kg CO2 per flight, 266,450 kg fuel, 841,982 kg CO2 annually Route Indicate the finity pairs) Route Indicate Indicat		Attacililetit A
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objections to the withdrawal of SCS14. IATA suggested that the two route proposals		
IATA suggested that the two route proposals	Singapore informed that they have no	
be archived for future use instead of	be archived for future use instead of	
withdrawn. The meeting agreed to archive	withdrawn. The meeting agreed to archive	

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the two route proposals from the ATS Route	
Catalogue.	

Attachment A	
ATS Route Name	SCS 15
State Priority	B
IATA Priority	LOW
Requested by (when)	Malaysia (26/03/2018: SAIOACG/8 & SEACG/25)
States/Administrations Involved	Malaysia, Singapore (Kota Kinabalu, Singapore
States, Manimistrations in volvea	FIRs)
Route Description	ENREP 045223.88N 1041442.00E – KAMIN
Route Description	023441.88N 1085536.12E
Flight Level Band	At or below 29,000 ft
Benefit (fuel, environmental)	107 NM / 12 minutes, 365 kg fuel, 1,153 kg CO ₂
	per flight, 266,450 kg fuel, 841,982 kg CO ₂
	annually
Operational Information	KCH – KBR
(potential airlines, flight frequency, potential	nen nen
city pairs)	
Remarks: Purpose is to circumnavigate	
major confluence of air traffic at VPK thus	
providing better efficiency for flight	XX -1-X-1
operating from/to KBR. Operation at 29,000	
ft and below to avoid crossing traffic within	
the South China Sea airspace. At SEACG/26:	ENREP
Singapore commented implementation of this	7760
route would be possible with the	6°312nn
implementation of space-based ADS-B in	
Singapore FIR, planned by end of 2019; and	KAMIN
IATA would assign its priority after a	
comprehensive review of the Catalogue by	
its focus group. 15/05/2020: discussion on	
this route proposal would be conducted when	
the COVID-19 situation improved, and a	
face-to-face meeting could be conducted	
between Malaysia and Singapore. At 1	>
ATMSG/8: Indonesia commented future	
discussion on this route proposit yourd	
require their involvements; and IATA	
assigned "LOW" priority and recommended	
for deletion. 16/09/2021: Singapore	
commented that, as the COVID-19 situation	
had not improved, the face-to-face meeting	
between the States involved had yet to	
materialise.	
At the SAIOSEACG/3 meeting Malaysia	
proposed withdrawing the route proposal.	
Singapore informed that they have no	
objections to the withdrawal of SCS15.	
IATA suggested that the two route proposals	
be archived for future use instead of	
withdrawn. The meeting agreed to archive	
the two route proposals from the ATS Route	

Catalogue.

ATS Route Name	SCS 16
State Priority	С
IATA Priority	MEDIUM
Requested by (when)	Viet Nam (01/04/2019: SEACG/26)
States/Administrations Involved	Singapore, Viet Nam (Singapore, Ho Chi Minh FIRs)
Route Description	Implementation of new uni-directional northbound ATS route: ENREP 045223.88N 1041442.00E – New Waypoint (FIR BDRY between Singapore and Ho Chi Minh) – Tan Son Nhat (TSN) 104859.20N 1063844.10E
Flight Level Band	
Benefit (fuel, environmental)	48 NM / 6 minutes, 252 kg fuel, 794 kg CO ₂ per flight, 576,576 kg fuel, 1,816 tonnes CO ₂ annually Reduction in Distance/Time/Fuel/CO ₂ by 19NM/2MIN/600LBS/860KGS per flight with B744ERF for SIN/SGN portion on the basis of annual average wind conditions.
Operational Information	SIN – SGN
(potential airlines, flight frequency, potential city pairs)	
Remarks: Update from Viet Nam on 22/07/2019: Due to crossing routes, this route proposal would be possible subject to the enhancement of surveillance and ATFM capabilities in the concerned area. At ATMSG/8: Viet Nam commented this route proposal was under consideration; and IATA assigned "MEDIUM" priority.	OTSN
11/2/2022: Singapore commented the concerned area is fully covered by ADS-B to support the proposal and ready to discuss on the implementation.	010-308mm
11/02/2022: Viet Nam commented they will continue to assess a necessity of this ATS/PBN route requirement adding ATS surveillance (SSR and ADS-B) capability has been enhanced by cooperation btw Viet Nam and Singapore, and new ATM aoutomation/AFTM capability will be enhanced with a long-term plan	ENREP

ATS Route Name	SCS 18
State Priority	С
IATA Priority	LOW
Requested by (when)	Viet Nam (01/04/2019: SEACG/26)
States/Administrations Involved	Viet Nam, China, Hong Kong China (Ho Chi Minh,
	Sanya, Hong Kong FIRs)
Route Description	Phu Cat (PCA) 135726.00N 1090233.60E – IKELA
	183942.00N 1121442.00E or
	Phu Cat (PCA) 135726.00N 1090233.60E –
	LENKO 172456.88N 1101800.00E
Flight Level Band	
Benefit (fuel, environmental)	52 NM / 5 minutes, 220 kg fuel per flight, 435
	tonnes fuel, 1,370 tonnes CO ₂ annually
Operational Information	KA, MH
(potential airlines, flight frequency, potential	At least 30 flights per week
city pairs)	KUL – SGN – East Asia
Remarks: At ATMSG/7: China proposed to concentrate on the implementation of parallel route to A1 (SCSTFRG Priority Area 1). This route proposal may not be needed, if the parallel route to A1 is implemented. 23/10/2020: No update (SCSTFRG/9 postponed to 2021). At ATMSG/8: IATA provided updates on IATA priority; implementation benefits; and operational information. At ATM/SG/9: No update (discussion on planned implementation of parallel route to A1 was still ongoing at the SCSTFRG meeting).	ILENKO PCA

ATS Route Name	SEA 12
State Priority	С
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	Thailand, Lao PDR, Viet Nam, China (Bangkok,
	Vientiane, Hanoi, Sanya, Guangzhou FIRs)
Route Description	Roiet (ROT) 1607.0N 10346.7E – Huguang (LH)
	2107.9N 11020.2E
Flight Level Band	29,000 – 46,000 ft
Benefit (fuel, environmental)	14 NM / 2 minutes, 208 kg fuel, 655 kg CO ₂ per
	flight, 1,731 tonnes fuel, 5,451 tonnes CO ₂ annually
Operational Information	CX
(potential airlines, flight frequency, potential	160 flights per week
city pairs)	JKT/KUL/PNH/SIN – HKG/SYX
Remarks: Provide parallel to the A202 route. At SEACG/26: Viet Nam proposed to concentrate on SCSTFRG Priority Area 1: parallel route to A1 proposal. This route proposal to be reviewed at a later stage. 23/10/2020: No update (SCSTFRG/9 postponed to 2021). At ATM/SG/9: No update (discussion on planned implementation of parallel route to A1 was still ongoing at the SCSTFRG meeting).	ROT

ATS Route Name	VIET NAM 02
State Priority	D
IATA Priority	HIGH
Requested by (when)	Viet Nam (01/09/2018)
States/Administrations Involved	Viet Nam, China (Hanoi, Sanya, Guangzhou FIRs)
Route Description	Noi Bai (NOB) 2112.8N 10550.1E – Cat Bi (CBI)
_	2049.1N 10642.5E – SAMAS 2030.3N 11029.7E or
	Noi Bai (NOB) 2112.8N 10550.1E – Cat Bi (CBI)
	2049.1N 10642.5E – Huguang (LH) 2107.9N
	11020.2E or
	Noi Bai (NOB) 2112.8N 10550.1E – Cat Bi (CBI)
	2049.1N 10642.5E – Nankang (BHY) 2135.2N
District ID I	10925.9E
Flight Level Band	28,000 – 46,000 ft
Benefit (fuel, environmental)	48 NM / 6 minutes, 252 kg fuel, 794 kg CO ₂ per
	flight, 576,576 kg fuel, 1,816 tonnes CO ₂ annually For ZGGG-VVNB with B789, Vietnam02 can
	reduce the flight distance by 73NM, reduce the
	flight time by 9 minutes, and save 700Kg of fuel.
Operational Information	CX
(potential airlines, flight frequency, potential	44 flights per week
city pairs)	Tringing per week
Remarks: Because of small traffic demand	
and cost/benefit considerations, this route is	40=114-
impossible and cannot be implemented at	
present. Retain proposal for long-term	BHY
planing (Viet Nam). Retention discussed at	NOB
SEACG/22. At SEACG/26: China	
commented that this route proposal was very	CBI
unlikely to be implemented, and	
recommended for this route proposal to be	
deleted from the Catalogue; and Viet Nam	
proposed alternate option: Noi Bai (NOB)	
2112.8N 10550.1E – Cat Bi (CBI) 2049.1N	
10642.5E – Nankang (BHY) 2135.2N 10925.9E to serve traffic between Ha	
Noi/Cat Bi/Van Don (new international	
airport in Viet Nam) and destinations in	
China and beyond. 23/10/2020: China	
commented the proposal was under	
consideration. At ATMSG/8: IATA	
preferred this route proposal to be retained in	
the Catalogue. 29/09/2021: China	
commented the proposal was still under	
consideration.	
1/3/2022:IATA preferred this route proposal	
to be retained in the Catalogue. Despite	
currently low traffic due to the epidemic, as	
traffic returns this proposed route can give	
airlines more flight route options between	
China and Vietnam and beyond.	

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Attachment A

3/3/2022: China proposed for deletion due to inconsistency with overall flight flow. At SCSTFRG/11, Viet Nam suggested this route proposal be retained in the APAC Route Catalogue and wished that China would reconsider the feasibility of this new route. It was also supported by IATA. In response, China confirmed that they would further assess this route proposal internally and discuss it with Viet Nam during their upcoming bilateral meeting.

At SCSTFRG/12 meeting, Viet Nam said that they have been continuously discussing the implementation of this route with China.

ATS Route Name	SCS19
State Priority	A
IATA Priority	MEDIUM
Requested by (when)	Malaysia (20/Mar/2023)
States/Administrations Involved	Malaysia, Thailand
Route Description	This proposal essentially focuses on extending M757 to replace the conventional route Y508
Flight Level Band	
Benefit (fuel, environmental)	The implementation of PBN Airspace and to simplify FPL in Kuala Lumpur FIR.
Operational Information	
(potential airlines, flight frequency)	
Remarks: At SAIOSEACG/2, Thailand indicated its full support for the extension of M757. At SCSTFRG/12 meeting, Thailand said that they already submitted PfA to ICAO.	TRANCI (16 6 TRN 113) HAT YAI (15.5 HTY 100) TOURN (17.0 A) HAT YAI (15.5 HTY 100) TOURN (17.0 A) HAT YAI (15.5 HTY 100) TOURN (17.0 A) TOURN (17.0 A)

ATS Route Name	SCS20
State Priority	В
IATA Priority	MEDIUM
Requested by (when)	Malaysia (20/Mar/2023)
States/Administrations Involved	Malaysia, Singapore, Indonesia, Viet Nam
Route Description	This proposal essentially focuses on extending M765 to replace the conventional routes W546 and G468.
Flight Level Band	
Benefit (fuel, environmental)	The implementation of PBN Airspace and to simplify FPL in Kuala Lumpur FIR.
Operational Information (potential airlines, flight frequency) Remarks:	Sept. To a
At SAIOSEACG/2, Indonesia expressed its favourable consideration on this proposal, further assessment was needed. At SCSTFRG/12 meeting, Malaysia has informed that the proposals are currently under review by Indonesia. Malaysia has proposed bilateral discussions on these proposals, and the outcomes of these discussions will be communicated to ICAO. Before the SAIOSEACG/4 meeting, Malaysia updated through email that a draft PfA for the proposal has been circulated to states involved for their review and consideration.	THE TANK OF THE TA

ATS Route Name	SCS21
State Priority	В
IATA Priority	MEDIUM
Requested by (when)	Malaysia (20/Mar/2023)
States/Administrations	Malaysia, Singapore, Indonesia
Involved	
Route Description	This proposal essentially focuses on extending M758 to replace the
	conventional routes G582 and R461 (PUGER to MDN).
Flight Level Band	
Benefit (fuel,	The implementation of PBN Airspace and to simplify FPL in Kuala Lumpur
environmental)	FIR.
Operational	
Information	
(potential airlines, flight	
frequency)	
Remarks:	
At SAIOSEACG/2,	
Indonesia expressed its	(147) (MAR)
favourable consideration	DOS UNITS DESCRIPTION OF THE PROPERTY OF THE P
on this proposal, further	HEDN 11 St. COLUMN 1 ST. COLUMN
assessment was needed.	THE WALL TO SERVICE THE SERVIC
	A STATE OF THE PARTY OF THE PAR
At SCSTFRG/12	SERVE CHARGE CONTRACTOR OF THE PARTY OF THE
meeting, Malaysia has	
informed that the	
proposals are currently	
under review by	
Indonesia. Malaysia has	
proposed bilateral	
discussions on these	
proposals, and the	
outcomes of these	
discussions will be	
communicated to ICAO.	

ATS Route Name	SCS22
State Priority	В
IATA Priority	MEDIUM
Requested by (when)	Malaysia (20/Mar/2023)
States/Administrations	Malaysia, Singapore, Indonesia
Involved	
Route Description	Upgrade a portion of conventional ATS routes G580 (VKG to VJN) to PBN
_	Route
Flight Level Band	
Benefit (fuel,	The implementation of PBN Airspace.
environmental)	
Operational	
Information	
(potential airlines, flight	
frequency)	
Remarks:	
At SAIOSEACG/2,	
Indonesia expressed its	
favourable consideration	
on this proposal, further	and the state of t
assessment was needed.	
At SCSTFRG/12	
meeting, Malaysia has	70
informed that the	1///
proposals are currently	
under review by	THE SECOND SECON
Indonesia. Malaysia has	TO THE PARTY OF TH
proposed bilateral	
discussions on these	
proposals, and the	The state of the s
outcomes of these discussions will be	A Control of the cont
communicated to ICAO.	
communicated to ICAO.	(NOPE)

ATS Route Name	SCS23
State Priority	В
IATA Priority	MEDIUM
Requested by (when)	Malaysia (20/Mar/2023)
States/Administrations	Malaysia, Singapore, Indonesia
Involved	
Route Description	Upgrade from conventional ATS routes R223 to PBN Route
Flight Level Band	
Benefit (fuel,	The implementation of PBN Airspace.
environmental)	
Operational	
Information	
(potential airlines, flight	
frequency)	
Remarks: At SCSTFRG/12 meeting, Malaysia has informed that the proposals are currently under review by Indonesia. Malaysia has proposed bilateral discussions on these proposals, and the outcomes of these discussions will be communicated to ICAO.	

Attachment A		
ATS Route Name	MEKONG 01	
State Priority	В	
IATA Priority	MEDIUM	
Requested by (when)	Thailand /Vietnam (21/Mar/2023)	
States/Administrations Involved	Thailand, Lao PDR, Vietnam (Bangkok, Vientiane, Hanoi)	
Route Description	VINH PHUC (VPH) 211634N 1053604E –	
1	Bangkok/Vientiane FIR BDRY 174842.10N 1042043.51E -	
	SAKON NAKHON (SKN) 171250.89N 1040812.34E –	
	ROT-ET (ROT) 160700.59N 1034619.45E	
Flight Level Band		
Benefit (fuel, environmental)	Potential to save 12 minutes and 750 kilograms of fuel per flight (VVNB – VDSR)	
Operational Information	Allow flights from Guangzhou FIR and beyond on the	
(potential airlines, flight frequency)	ATS route R474 to fly shorter distance into Bangkok	
	FIR/VTBS/VDSR	
Remarks:		
This route was proposed as		
Conditional Route (CDR) to	(BOMES) (1918)	
promote international CDR	VPH VDAMAGE OF THE PARTY OF THE	
arrangement among the Mekong		

states.

The route availability will be subject to civil-military coordination in pre-tactical and tactical level.

At SAIOSEACG/2, Viet Nam supported the initiative by Thailand, and added that the new route would be further realigned with the existing primary routes within Hanoi FIR. For the update, the approval procedure of the route proposal by its higher authority is in progress, and which expected to be completed soon. It is suggested that Thailand organize a tripartite meeting involving all States concerned to further discuss the detail.

At SCSTFRG/12 meeting, Further information will be provided after Mekong-ATMCG meeting (27-28 November 2024).



Chapter 3: East Asia

(referred to: States or EATMCG as appropriate for review)

ATS Route Name	CHA 01
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	China (Lanzhou, Beijing, Wuhan FIRs)
Route Description	Yinchuan (YHD) 3820.8N 10624.6E – Zhengzhou
•	(CGO) N3431.1 E11350.6
Flight Level Band	8,400 – 15,000 meters
Benefit (fuel, environmental)	73 NM / 9 minutes, 26,645 kg fuel, 825,995 kg CO ₂
	annually
Operational Information	Europe – Shanghai
(potential airlines, flight frequency, potential	
city pairs)	
Remarks : Original proposal: YHD – YAV –	
CGO - ZHO - SB/HFE. The route segment	
between CGO – ZHO – HFE has been	
implemented as part of ATS route B208	
since 2008. Therefore, the route description	YHD
was amended as YHD – CGO accordingly.	
At ATMSG/7: China commented the	*/- -/ X
proposed route would create numerous	
conflicts, and was not consistent with its	
planned route network. 23/10/2020: China	
commented there was no progress on this	The state of the s
proposal. At ATMSG/8: IATA preferred this	
route proposal to be retained in the	
Catalogue, and proposed the route segment	
between CGO – ZHO – HFE to be made	
available for eastbound too. In response to	
IATA's proposal, China commented the following uni-directional routing systems	SLOWER ARROWS AR
· ·	DUBAG SE DUBAG SE DUBAG SE
had been implemented for flight planning: (a) eastbound: HFE – FYG – ZHOU – CGO.	AR28 AR28 HEFELCON AR28 AR28 AR28
(b) westbound: CGO – W129/KAMDA –	13.7 No. 3 to 13 30.6 Reg 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
W128/FYG. At SAIOACG/10 and	celusive 2 ZHR1202 LEPPO BB97KHz 01 S06KHz 22
SEACG/27: China proposed for deletion.	CHUKOU-
3/3/2022: China commented how the current	NGZHOU 63 TIS-S ZHO VING 2 ZHRIZO3 ZHRIZO3 ZHRIZO3 ZHRIZO3
uni-directiona routing system works in actual	KINGA 1/5 AVIOD AVIOD W566
operation (see the Map provided by China)	W129/KAMDA
adding that it could reduce heavy traffic and	6 ML ARO4 CANANGAMUNICIA CANANGAMUNI
conflict over ZHO.	TURN 112.9 FY DE TO SE
	306 REVKU 100 132 550 110 3.5 500 110 3.5 500 110 3.5
	[Map provided by China]

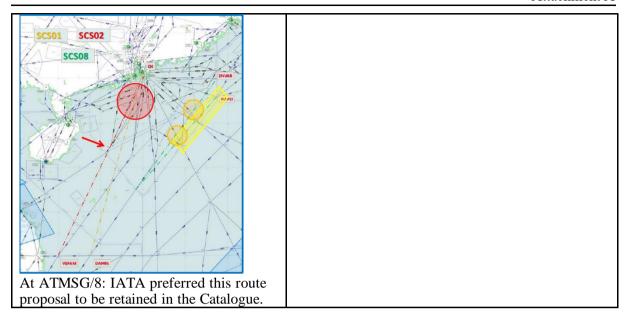
ATS Route Name	CHA 02
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	China (Urumqi, Lanzhou FIRs)
Route Description	Qiuci (XKC) 4140.6N 08250.6E – Jiayuguan (CHW) 3951.3N 09821.0E
Flight Level Band	8,400 – 15,000 meters
Benefit (fuel, environmental)	93 NM / 12 minutes, 4,426 tonnes fuel, 1,372,202 tonnes CO ₂ annually
Operational Information	63 flights per week
(potential airlines, flight frequency,	Middle East/Pakistan – China/Japan/Korea
potential city pairs)	
Remarks: China comment: there are existing routes between XKC and CHW. At ATMSG/7: China commented the proposed route was not possible for implementation, and proposed for deletion; and IATA would provide feedback after a comprehensive review of the Catalogue by its focus group, expected in March 2020. 23/10/2020: China proposed for deletion. At ATMSG/8: IATA preferred this route proposal to be retained in the Catalogue.	118.7 MV 118.7 MV 118.7 MV 118.7 MV 118.7 MV 118.7 MV 118.5

ATS Route Name	CHA 12
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (29/08/2018)
States/Administrations Involved	Russia, Mongolia, China (Novosibirsk,
	Krasnoyarsk, Ulaanbatar, Beijing FIRs)
Route Description	NOSPI 534912.00N 0865248.00E – New Waypoint
	(FIR BDRY between Novosibirsk and
	Krasnoyarsk) – New Waypoint (FIR BDRY
	between Krasnoyarsk and Ulaanbatar) – New
	Waypoint (Entry/Exit Point: FIR BDRY between
	Ulaanbatar and Beijing) – Baotou (BAV)
Flight Level Band	28,000 – 46,000 ft
Benefit (fuel, environmental)	5 minutes, 6,090 tonnes fuel, 19,185 tonnes CO ₂
	annually
Operational Information	85 flights per week
(potential airlines, flight frequency, potential	
city pairs)	
Remarks: New route proposal replacing the previous from Weixian to Novokuznetsk. At	
ATMSG/7: China and Mongolia commented	
the proposed route was not possible for	NOSPI
implemention; and IATA would provide	
feedback after a comprehensive review of the	
Catalogue by its focus group, expected in	
March 2020. 23/10/2020: China proposed	SAN MARKET
for deletion. At ATMSG/8: IATA preferred	
this route proposal to be retained in the	
Catalogue.	
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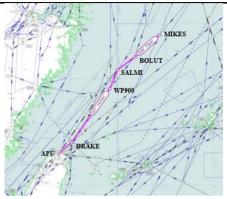
ATS Route Name	IATA 02
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	China (Kunming, Guangzhou FIRs)
Route Description	OMBON 3321.4N 10416.3E – Sanjiang (SJG)
	2546.6N 10936.6E
Flight Level Band	8,400 – 15,000 meters
Benefit (fuel, environmental)	14 minutes, 6,657 tones fuel, 20,636 tonnes CO ₂
	annually
Operational Information	56 flights per week
(potential airlines, flight frequency,	Europe – Pearl River Delta airports
potential city pairs)	
Remarks: China comments: There are existing routes between OMBON and RO. Direct route is impossible at present. 23/10/2020: China proposed for deletion. At ATMSG/8: IATA preferred this route proposal to be retained in the Catalogue.	OMBON

are not recommended.

ATS Route Name	SCS 08
State Priority	D
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	Hong Kong China, Taibei ACC (Hong Kong, Taibei
	FIRs)
Route Description	DULOP 1814.2N 11432.6E – ELATO 2220.0N
-	11730.0E – A1 or
	DULOP 1814.2N 11432.6E – ENVAR 2159.5N
	11730.0E – M750 or
	DULOP 1814.2N 11432.6E – KAPLI 2110.0N
	11730.0E – G86
Flight Level Band	28,000 – 46,000 ft
Benefit (fuel, environmental)	6 minutes, 850 kg fuel, 2,687 kg CO ₂ per flight,
	1,863 tonnes fuel, 5,868 tonnes CO ₂ annually
	Note: Savings based on DULOP – ENVAR.
Operational Information	BR, CI
(potential airlines, flight frequency,	At least 42 flights per week
potential city pairs)	Southeast Asia – North Asia airports
Remarks: Supports traffic Northeast Asia	
- Southeast Asia. Potentially problematic as	APU
will impact South China Sea's traffic	7 6
arrangements (IATA to review). During	
SEACG/19 in WP09, Hong Kong China advised they had studied the proposal for	ELATO Taiwan
track shortening and advised that allowing	ENVAR A
flights to proceed from M771 DUMOL to	HCN
ELATO/ENVAR/KAPLI will likely create	KAPLI
a bottle neck at these points and result in	DULOP
flights not getting optimum levels or	DOLOI /
increase ground delay to departures from	Philippines
Hong Kong and Macao to East Asia.	
However, Hong Kong China would	7
continue to study this proposal. Most	ZN3
preferred: DULOP – ENVAR. 30/10/2020:	00
Hong Kong China commented these two	A 600 M
routes are too close to the Hong Kong and	100 NM
Manila FIR boundary (see the yellow	
shaded areas in the figure below). New	
confliction points would be created and the	
distance/time available for traffic resolution	
is not sufficient. There are safety concerns	
and these proposed routes were not	
recommended. Therefore, the two routes	



ATS Route Name	TPE 01
State Priority	С
IATA Priority	HIGH
Requested by (when)	IATA (01/09/2018)
States/Administrations Involved	Taibei ACC, Japan (Taibei, Fukuoka FIRs)
Route Description	Anbu (APU) 2510.6N 12131.3E – New Waypoint
_	(FIR BDRY beween Taibei and Fukuoka) – MIKES
	2935.2N 12544.9E
Flight Level Band	28,000 – 46,000 ft
Benefit (fuel, environmental)	16 NM / 2 minutes, 107 kg fuel, 337 kg CO ₂ per
	flight, 1,168 tonnes fuel, 3,680 tonnes CO ₂ annually
Operational Information	BR, CI
(potential airlines, flight frequency, potential	210 flights per week
city pairs)	Southeast Asia/HKG/TPE – Fukuoka
Remarks: Supports traffic between APU and	77367
Japan. Update from Japan on 29/06/2019:	
Under consideration. 23/10/2020: Japan	
commented this proposal was under	Mikes
consideration. At ATMSG/8: IATA	
preferred this route proposal to be retained in	
the Catalogue. 16/09/2021: Based on	
information provided by the IFATCA, the	
proposed route TPE 01 partially overlaps	TAXI FINI AT XAM
ATS route Q11 and several other ATS routes	A HINAY AMIXA
that already existed in the area, and therefore	
it was not possible to implement a new route	
in Taibei FIR. Counter-proposal:	APU
Northbound traffic: APU – A1 – DRAKE –	
Q11 – WP900 – L4 – LIPLO – Y741 –	
BOLUT – MIKES.	XXX II_ XI/
BOLUT	
WP900 APU DRAKE	
Southbound traffic: MIKES – BOLUT –	
B576 – SALMI – Q11 – DRAKE – APU.	
$D_{2} = D_{1} = D_{1} = D_{1} = D_{1} = D_{1}$	



15/10/2021: Japan commented this proposal was still under consideration. 25/2/2022: Japan commented no progress at this stage, although this proposal is recognized as one of the business coordination projects by both Taibei and Fukuoka ACCs. 23/9/2022: IFATCA, the segment in the counter-proposal for both north and south already existing, the segment btw BOLUT and MIKES is subject to the Fukuoka FIR.

Chapter 4: Trans-Regional (South Asia)

(referred to: States or AIRARD TF as appropriate for review)

fuel, 3,014 tonnes CO ₂ annually Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned	State Priority IATA Priority Requested by (when) States/Administrations Involved	B MEDIUM
MEDIUM Requested by (when) Afghanistan (03/08/2019: AIRARD TF/4) States/Administrations Involved Pakistan, Afghanistan (Lahore, Kabul FIRs) Peshawar (PS) 335841.50N 0713100.90E – SURVI 350606.12N 0702512E	IATA Priority Requested by (when) States/Administrations Involved	MEDIUM
Requested by (when) States/Administrations Involved Route Description Peshawar (PS) 335841.50N 0713100.90E – SURVI 350606.12N 0702512E Flight Level Band Benefit (fuel, environmental) Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposal vas still under consideration by the relevant authorities. At ATMSG/8: IATA assigned	Requested by (when) States/Administrations Involved	
Route Description Peshawar (PS) 335841.50N 0713100.90E – SURVI 350606.12N 0702512E Flight Level Band Benefit (fuel, environmental) Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposal vas still under consideration by the relevant authorities. At ATMSG/8: IATA assigned	States/Administrations Involved	A fahanistan $(0.2/0.9/2010)$, A ID A DD, TE/A)
Route Description Peshawar (PS) 335841.50N 0713100.90E – SURVI 350606.12N 0702512E Flight Level Band Benefit (fuel, environmental) Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		<u> </u>
Flight Level Band Benefit (fuel, environmental) Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposal vasubmitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned	Route Description	Pakistan, Afghanistan (Lahore, Kabul FIRs)
Flight Level Band Benefit (fuel, environmental) Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned	Moute Description	Peshawar (PS) 335841.50N 0713100.90E – SURVI
Benefit (fuel, environmental) Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		350606.12N 0702512E
fuel, 3,014 tonnes CO ₂ annually Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned	Flight Level Band	
(potential airlines, flight frequency, potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		$32\ NM\ /\ 4$ minutes, $400\ kg$ fuel per flight, 957 tonnes fuel, $3{,}014$ tonnes CO_2 annually
potential city pairs) Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		
Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		About 46 flights per week (some operating during
Remarks: This is an alternative proposal to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		
to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned		HEL – BKK/SIN
"MEDIUM" priority; implementation benefits; and operational information. IATA also proposed to review the restrictions LAJAK-SULOM (1500) 2359Z) to make proposal beneficial to more traffic. At SAIOACG/10 and SEACG/27: Pakistan informed this route proposal was still under consideration by the military authority. 15/09/2021: Pakistan informed that the military authorities of Pakistan had approved the following ATS route proposal (bi-directional), on the request of Tajikistan and Uzbekistan: SULOM – Lahore (LA) – INDEK – Islamabad (BTR) – NONIB – Peshawar (PS) – 343433N 0710533E (new TOC points between Afghanistan and Pakistan). The above route proposal was under approval process of Pakistan Federal Government and coordination process with Afghanistan and Tajikistan regarding further route connectivity in Afghanistan	to INDEK-BABEV-SURVI, which will shorten the flight distance. Original proposal: IMTIL – SURVI. At ATMSG/7: Pakistan counter-proposed for this route via SURVI – Peshawar (PS). Pakistan informed the meeting the proposed route between SURVI and PS had been submitted to the relevant authorities of Pakistan informed this route proposal was still under consideration by the relevant authorities. At ATMSG/8: IATA assigned "MEDIUM" priority; implementation benefits; and operational information. IATA also proposed to review the restrictions LAJAK-SULOM (1500, 2359Z) to make proposal beneficial to more traffic. At SAIOACG/10 and SEACG/27: Pakistan informed this route proposal was still under consideration by the military authority. 15/09/2021: Pakistan informed that the military authorities of Pakistan had approved the following ATS route proposal (bidirectional), on the request of Tajikistan and Uzbekistan: SULOM – Lahore (LA) – INDEK – Islamabad (BTR) – NONIB – Peshawar (PS) – 343433N 0710533E (new TOC points between Afghanistan and Pakistan). The above route proposal was under approval process of Pakistan Federal Government and coordination process with	SURVI SU

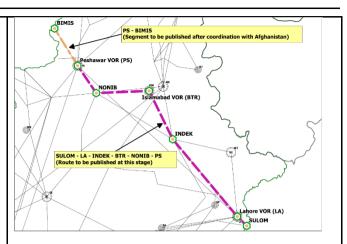


18/02/2022: Upon approval on a new RNAV bi-directional int. ATS route in Lahore FIR by the Federal Government of Pakistan, Pakistan requested a new RNAV Route designator to APAC RO awaiting the response from Afghanistan for further connectivity in Kabul FIR (the last segment from Peshawar VOR to PAK/AFGHAN new TCP BIMIS (Lahore FIR)), and saying a joint PfA will be processed

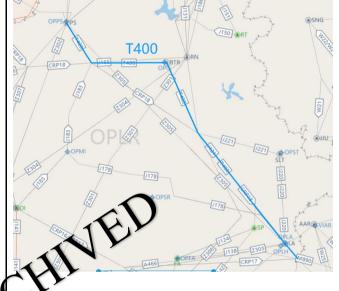
In April 2022, the segment in Lahore FIR, Pakistan was established: SULOM – Lahore VOR – INDEK - Islamabad VOR (BTR) – NONIB – Peshawar VOR as the domestic route T400. Further route connectivity in Afghanistan airspace and beyond the new TOC points will be further discussed according to the situation in Afghanistan.

BOBTFRG/4: —Pakistan affirmed that airway T400 starting from point SULOM (TOC with India) - INDEK — NONIB — PS - BIMIS was already operational and available for flights at this stage after being approved by the relevant government authorities. Further connectivity to BIMIS (TOC with Afghanistan) was subject to the response from Afghanistan.

At SAIOSEACG/2, Pakistan preferred that this route proposal should be retained in the catalogue and be re-activated according to the situation in Afghanistan. Pakistan also affirmed that airway T400 starting from point SULOM (TOC with India) - INDEK – NONIB – PS providing connectivity with P500 (MOTMO-FIRUZ)



SULOM – Lahore VOR – INDEK – Islamabad VOR (BTR) – NONIB – Peshawar VOR (PS) – BIMIS 343433N, 0710533E (<u>Pak/Afghan new</u> <u>proposed TCP boundary waypoint</u>), Vertical Limit FL300 – FL410



was already operational and available for flights. The portion between PS-BIMIS is approved but further connectivity to/from PS-BIMIS (TOC with Afghanistan) is subject to the response from Afghanistan.

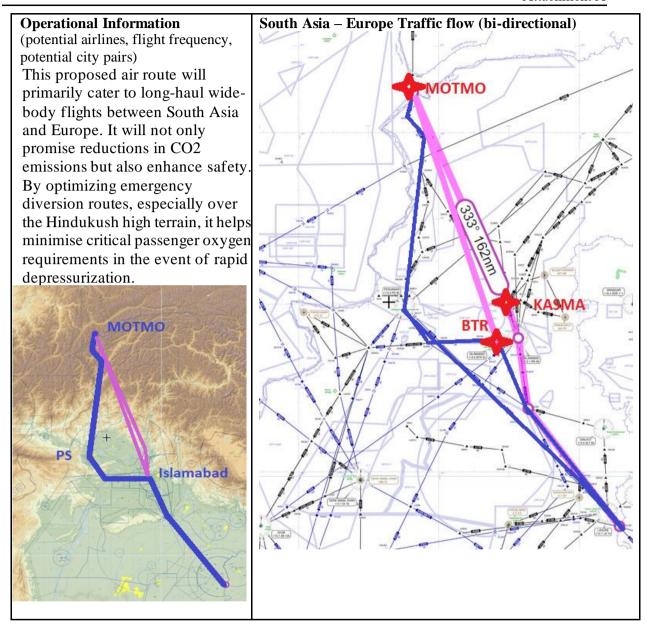
At the BOBTFGR/5, discussions about route proposals involving Afghanistan were influenced by the current situation in the States. Given the sanctions and focus on restoring air traffic services in Afghanistan, it was suggested that these route proposals be held in abeyance or

archived until further notice.

ATS Route Name	AFG 02
State Priority	C
IATA Priority	LOW
Requested by (when)	Tajikistan (03/08/2019: AIRARD TF/4)
States/Administrations Involved	Afghanistan, Tajikistan (Kabul, Dushanbe FIRs)
Route Description	TAPIS 343100.12N 0690900E – PINAX 371500N 0690600E
Flight Level Band	
Benefit (fuel, environmental)	
Operational Information	
(potential airlines, flight frequency, potential city pairs)	
Remarks: Afghanistan commented that waypoint TAPIS is a converging point for two congested routes, and would review this proposal. At ATMSG/8: IATA assigned "LOW" priority and recommended for deletion. Note: continuation of this proposal is 29.00 "TAPIS-PINAX-SORAM-TENRO" in NGAMIDIAL ASIA ATS Route Catalogue.	PINAX TAPIS

A TOTAL DE LA NA	1 m 00 ()
ATS Route Name	MID 02 (a)
State Priority	D
IATA Priority	HIGH
Requested by (when)	AIRARD TF/2 (04/05/2018)
States/Administrations Involved	Iran, Pakistan, Afghanistan (Tehran, Karachi,
	Kabul, Lahore FIRs)
Route Description	Bandar Abbas (BND) 2711.8N 05622.0E – DAVEP 2742.4N 05720.1E – NABOX 2816.5N 05826.0E –
	PEKES 2859.5N 05952.3E – DANOV 2914.7N
	06023.9E – ULOVI 2919.8N 06034.5E – PIRAN
	2934.1N 06108.1E – OGOGO 3024.9N 06309.1E –
	LOVIT 3109.1N 06500.4E – PAROD 3129.0N
	06554.0E – A453 – HANGU 3329.1N 07100.3E –
	Penshawar (PS) 3358.7N 07131.0E – G325 – Gilgit
	(GT) 3555.2N 07420.1E – G325 – PURPA 3656.5N
	07524.4E
Flight Level Band	
Benefit (fuel, environmental)	40 NM / 3 minutes, 600 kg fuel per flight, 1,342
	tonnes fuel, 4,262 tonnes CO ₂ annually
Operational Information	EK, EY, QR
(potential airlines, flight frequency, potential	About 43 flights per week
city pairs)	TARREST AND AND AND THE STATE OF AND
Remarks: High Priority MID 02 (a)	Flight Plan D D D C OIII &
preferred over MID 02 (b) if only one route	Arcraft TAIL# Spd M082 Aft 000 Fuel 0
is chosen. 17/08/2020: The proposed entry	Destination
into Pakistan airspace allows very minimal	ETD Zulu HHMM MM0D the Local HHMM MM/DD the Dist: 1147.5 ETE: 10:04 Burn: Routes ©
response time (less than two minutes) for	⇒ BND → DAVEP → NABOX → PEKES → DANOV → ULOVI → PIRAN → OGOGO → LOVIT → PAROD → HANGU → PS G325
traffic de-confliction at DOBAT and SITAX	GT G325 PURPA
and other crosser routes.	□ Briefing 8.5 mg (■Nav La)
Tools Tools	
Down and American	
Pakistan proposed for deletion. At	
ATMSG/8: IATA assigned "HIGH"	
priority; implementation benefits; and	
operational information. IATA preferred this	
route to be retained in the Catalogue and	
commented this route could be used for	
contingency and for aircraft with limited	
oxygen requirements. At BOBTFRG/3:	
Pakistan re-affirmed that the proposed route	
was not feasible.	
BOBTFRG/4: Pakistan reaffirmed that the	
proposed route was not feasible and	
supported archiving this proposal for future	
possibility and IATA had no objection.	

ATS Route Name	PAK 01
State Priority	
IATA Priority	HIGH
Requested by (when)	IATA (either by ATM/SG/12 or earlier)
States/Administrations Involved	Pakistan (Kabul FIR)
Route Description	Option 1: INDEK J121 RN J130 KASMA DCT MOTMO Option 2: INDEK T400 BTR (Islamabad) DCT MOTMO
Flight Level Band	As suitable
Benefit (fuel, environmental)	Estimated Potential Savings Per Flight: 50 NM, Equivalent to 500Kg Fuel, 1.6 Ton CO2



At the SAIOSEACG/3 meeting, IATA has suggested new air routes to improve flight efficiency between South Asia and Europe. PAK 01, includes two options that shorten the current Lahore FIR route by about 48 and 49 nautical miles by using direct paths to MOTMO. These routes are expected to reduce CO2 emissions and increase safety by providing better options for emergency diversions over difficult terrain.

Pakistan mentioned restructuring of ATS Route T400 (route connectivity with P500) back in 2022 to facilitate traffic avoiding Kabul FIR and, in this regard, referred to its A41-WP/68. Pakistan reiterated its commitment to safety and flight efficiency while acknowledging airspace constraints due to restricted and prohibited areas near the proposed route. Pakistan emphasised the need for a detailed assessment of the proposal. IATA expressed openness to suitable alterations and encouraged the exploration of opportunities.

During the ATM SG/12 meeting, Pakistan updated PAK-01 (Option-2) and (Option-1) through email. They said that PAK-01 (Option-2) the proposed ATS route passes through prohibited area OP/P226 and thus cannot be materialized. And PAK-01 (Option-1), the proposed ATS route passes in close proximity to danger and prohibited areas, it is estimated that in case of inclement weather conditions, any diversions would cause violation of danger / prohibited areas and thus not a viable option either, keeping in view flight safety. Nevertheless, deliberation with stakeholders are underway for a workaround to make this proposed option safer for flight operations but it seems to be difficult for establishment of subject route.

During the ATM SG/12 meeting,

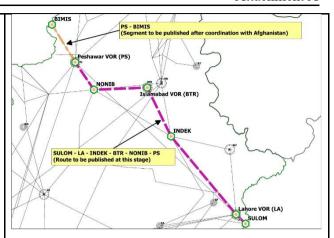
IATA also updated PAK 01 though	
email: Given that Afghanistan's	
airspace is likely to remain in	
contingency mode for some more time,	
IATA strongly urges the Pakistan	
CAA to consider authorizing PAK01	
as an interim measure. It is requested	
that if required the route may be	
modified to account for the	
requirements of reserved/special use	
airspace, as well as to utilize the	
existing 'J' routes, which are already	
established for domestic operations.	
At the BOBTFRG/6 meeting, Given	
the current situation in Afghanistan,	
IATA and Pakistan agreed that they	
would discuss it further to move	
forward.	

ATS Route Name	AFG 03
State Priority	
IATA Priority	HIGH / MEDIUM
Requested by (when)	IATA (Either as the Afghanistan Contingency route
	plan /or as the airspace reopens for flight operations)
States/Administrations Involved	Pakistan, Afghanistan, Tajikistan (Lahore, Kabul,
	Dushanbe FIRs)
Route Description	Peshawar (PS) - BIMIS - DCT -37 08 41N 069 20 43E
	(new FIR crossing point between OAKX and UTDD) –
	DCT LIVDI and DCT NITNI
Flight Level Band	As suitable
Benefit (fuel, environmental)	Estimated Potential Savings Per Flight:
	Compared to SITAX:
	71NM equivalent to 700Kg fuel, 2.2Ton CO2
	Compared to LAJAK:
	41NM equivalent to 400Kg fuel, 1.3Ton Co2
Operational Information	South Asia – Europe Traffic flow (bi-directional)
(potential airlines, flight frequency,	
potential city pairs)	
Primarily intended for long-haul	
wide-body ULR (Ultra Long-	
Range) flights between South Asia	
and Europe, this new route not only	
promises environmental advantages	
but also aligns with the BOBCAT	
Tactical ATFM efforts. By offering	
an additional FIR crossing between	Time.
Pakistan and Afghanistan, upon the	
reopening of Afghanistan's	FIR Crossing point OAKX-UTDD
airspace, it could mitigate	
congestion at (OPLA-OAKX) FIR	OS Pro
crossing points SITAX and	
LAJAK.	BIMIS
Dalaistan ann 14 111 1 DC	
- Pakistan agreed to publish PS -	PS
BIMIS after coordination with	SITAX LAJAK
Afghanistan (ref AFG 01	
proposal in the Route	
catalogue)	
At the CATOCE ACC/2	
At the SAIOSEACG/3 meeting,	
IATA has suggested new air routes	
AFG 03, aiming to open a new	

route through Kabul's airspace, linking Peshawar with waypoints in Dushanbe, which could save up to 71 nautical miles. This route would help reopen Afghanistan's airspace, reduce environmental impact, and ease congestion at critical crossing points. Targeted primarily at longhaul, wide-body flights, these proposals are part of broader efforts to enhance air traffic management for improved efficiency and safety.

Pakistan affirmed its readiness to enhance airspace efficiency and mentioned the approval of the AFG 01 route from Peshawar to BIMIS. However, due to the contingency situation in Afghanistan's airspace, further exploration of this route awaits Afghanistan's readiness. IATA urged ICAO to consider updating this route as a contingency option or at a suitable time when Afghanistan's airspace stabilizes. ICAO RSO agreed to seek assistance from the ICAO APAC office to explore the feasibility of the project.

At ATM SG/12 meeting, Pakistan updated AFG-03 through email. They said that AFG-03, it is apprised that said proposal is similar to previous APAC Region ATS Route proposal AFG-01 in Pakistan airspace, the approvals of which are already taken. Pakistan is ready to establish this route from PS till BIMIS (transfer of control point between Pakistan and Afghanistan International Border), further connectivity from BIMIS onwards (as mentioned in AFG-03.APAC Region ATS route catalogue) is the sole responsibility of Afghanistan. Subject to availability of ATS infrastructure in Afghanistan and stabilization of Afghanistan airspace, the connectivity from PS till BIMIS will be established.



During the ATM SG/12 meeting, IATA updated AFG 03 though email: The Afghanistan CAA has indicated a positive stance towards this route proposal; however, implementation will be considered only after the resumption of regular ATM services. The Pakistan and Tajikistan CAAs are affirmative for the necessary re-alignment of the airway. At the BOBTFRG/6 meeting, Given the current situation in Afghanistan, IATA and Pakistan agreed that they would discuss it further at the planned CCT meeting to explore the feasibility of the proposal.

Chapter 5: Trans-Regional (East Asia)

(referred to: AIRARD/TF, RDGE or EATMCG as appropriate for review)

ATS Route Name	FE0008 / RDGE 15.003 / APAC RUS 5
State Priority	C
IATA Priority	MEDIUM
Requested by (when)	Russia, IATA (01/09/2018)
States/Administrations Involved	Russia, Japan (Khabarovsk, Fukuoka FIRs)
Route Description	Implementation of two new bi-directional ATS
	routes:
	a. SIBIR 432154.00N 1352024.00E – New
	Waypoint (FIR BDRY between Khabarovsk and
	Fukuoka) – New EKVIK Waypoint
	b. ARLAS 425906.00N 1343553.88E- New
	Waypoint (FIR BDRY between Khabarovsk and
	Fukuoka) – New EKVIK Waypoint
Flight Level Band	
Benefit (fuel, environmental)	No fuel gain but could help to reduce ground delays
	for HND/KIXNRT operations to Europe.
Operational Information	AF, BA, KL, LH
(potential airlines, flight frequency,	
potential city pairs)	
Remarks: To improve north-south	
traffic flows between Khabarovsk	
FIR and Fukuoka FIR, Original	SIBIR
SIBIR – LURED – EKVIK	ARLAS
proposal will be changed due to	
new position of EKVIK further east	A A A A A A A A A A A A A A A A A A A
as a result of the planned airspace	
structure change in Japan, when both new ATS routes will be	
implemented, the existing B451	
ARLAS – LAKTA – LURED –	
IGROD will be withdrawn. Based	
on the results from the coordination	EKVIK
meeting between the Russian	
Federation and Japan in February	
2017, the implementation could not	
be progressed as Japan indicated	
that no further airspace changes for	PI.
the Fukuoka FIR are acceptable	
before the 2020 timeframe	
(RDGE/27). Russian Federation:	
New waypoint needed 404751N	
1361021E (FIR Boundary),	
coordination with Japan (Fukuoka	
FIR) required. Alternative bi-	
directional route to EN15.	
23/10/2020: Japan commented no	
update. At ATMSG/8: IATA assigned "MEDIUM" priority and	
recommended for this route to be	
retained in the Catalogue.	
retained in the Catalogue.	

|--|

ATS Route Name	FE0021 / RDGE 13.028 / APAC RUS 4
State Priority	C
IATA Priority	HIGH
Requested by (when)	Russia, IATA (01/09/2018)
States/Administrations Involved	Russia, Japan (Khabarovsk, Fukuoka FIRs)
Route Description	Implementation of new bi-directional ATS route:
	AVGOK – Niigata (GTC) 375729.90N
	1390653.60E
Flight Level Band	
Benefit (fuel, environmental)	20 NM / 4 minutes, 440 kg fuel per flight, 2,400
	tonnes fuel, 7,550 tonnes CO ₂ annually
Operational Information	AF, AY, JL, KL, NH
(potential airlines, flight frequency,	About 105 flights per week
potential city pair)	HND/NRT to Europe
Remarks : During a bilateral	
meeting between the State ATM	
Corporation and the JCAB Japan (in	
Tokyo, November 2012), <u>a</u>	AVGOK
difference in coordinates of the	
AVGOK waypoint was identified in	
the aeronautical information	
publications of Russia and Japan.	
The incorrect coordinates were	
confirmed by Japan and a decision	
was made to report this issue to the	
appropriate Regional ICAO Offices.	
The Russian Federation proposes	CTC CTC
the following coordinates (4336N	
and 13815E) for the AVGOK	
waypoint. Based on the results from	
the coordination meeting between	
the Russian Federation and Japan in	
February 2017, the implementation of the bi-directional ATS Route	
AVGOK – GTC requires further	
studies due to the involved military	
area. RDGE/27 meeting in 2017:	
could become a conditional route.	
Further discussion with Japan is	
required through the ICAO APAC	
Office. To reduce route distance of	
13NM as compared to current	
routing AVGOK – KADBO – GTC.	
23/10/2020: Japan commented no	
update. At ATMSG/8: IATA	
assigned "HIGH" priority and	
recommended for this route to be	
retained in the Catalogue.	
15/10/2021: Japan commented no	
update.	
<u> </u>	

ATS Route Name	FE0049 / RDGE 20.010
State Priority	C
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	Implementation of new uni-directional eastbound
	ATS route:
	KICHA 404103N 1291140E – ADNUR 421230N
	1304810E – Vladivostok (KN) 432303N 1320708E
Flight Level Band	17,000 – 53,000 ft
Benefit (fuel, environmental)	
Operational Information	
(potential airlines, flight frequency,	
potential city pairs)	
Remarks: Planned implementation date as part of project in 2015. Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 6)	WASAN HAMUN SONDO WASAN HAMUN SONDO RESTRICTION OF THE STATE OF THE

ATS Route Name	FE0050 / RDGE 20.011
State Priority	C
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	Implementation of new uni-directional westbound ATS route for B355: Muraveyka (BG) 435303N 1331511E – VATIS 425143N 1320851E – TERNI 422213N 1314003E –BUMEP 415350N 1311255E – KICHA 404106N 1291140E
Flight Level Band	18,000 – 51,000 ft
Benefit (fuel, environmental)	
Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: Planned implementation date as part of project in 2015. Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 7).	WASAN AND HAMUN SONDO WASAN AND HAMUN SONDO

ATS Route Name	FE0051 / RDGE 20.012
State Priority	С
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	Implementation of new uni-directional eastbound ATS route segment: MESOV 383800N 1302300E – ADNUR 421230N 1304810E
Flight Level Band	29,000 – 53,000 ft
Benefit (fuel, environmental)	
Operational Information (potential airlines, flight frequency, potential city pairs) Remarks: Planned implementation	Muraveyka BG
date as part of project in 2015. Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 8). Implementation has not progressed as the connection/continuation of this ATS route (implemented ATS routes end at FIR border over High Seas) into Incheon FIR still missing. No information was received from DPRK and South Korea (ROK) via the ICAO APAC Office. Implementation could not be progressed as no information from DPRK at RDGE/28.	WASAN HAMUN SONDO RECTURS A REC

ATS Route Name	FE0052 / RDGE 20.013
State Priority	C
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	BUMEP 415350N 1311255E – MESOV 383800N
	1302300E
Flight Level Band	28,000 – 51,000 ft
Benefit (fuel, environmental)	
Operational Information	
(potential airlines, flight frequency,	
potential city pairs)	
Remarks : Khabarovsk/Vladivostok	Muraveyka BG
airspace re-organisation project, (in map No. 9). Implementation has not progressed as the connection/continuation of this ATS route (implemented ATS routes end at FIR border over High Seas) into Incheon FIR still missing. No information was received from	VATIS VALSE VATIS OF THE STANDARD VATIS OF T
South Korea (ROK) via the ICAO APAC Office. Implementation could not be progressed as no information from DPRK at RDGE/28.	WASAN A HAMUN SONDO AGASSA Proposals for discussion: - to withdraw; 130 23 00E - to establish

ATS Route Name	FE0053 / RDGE 20.014
State Priority	С
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	New G711 BISUN 431400N 1311148E – TERNI
	422213N 1314003E – RIVAT 412900N 1321600E
Flight Level Band	21,000 – 53,000 ft
Benefit (fuel, environmental)	
Operational Information	
(potential airlines, flight frequency,	
potential city pairs)	
Remarks: Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 10). Note: to verify has this route been implemented as G705?	WASAN SONDO WASAN

ATS Route Name	FE0054 / RDGE 20.015
State Priority	C
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	Implementation of new bi-directional ATS route: RIVAT 412900N 1321600E – MESOV 383800N 1302300E
Flight Level Band	21,000 – 53,000 ft
Benefit (fuel, environmental)	
Operational Information (potential airlines, flight frequency, potential city pairs)	
Remarks: Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 11). Planned implementation date 11 December 2014. Note: to verify has this route been implemented as N513?	WASAN AHAMUN SONDO WASAN AHAMUN SONDO RECTANGLE AND AGITA RECTANGLE A

ATS Route Name	FE0055 / RDGE 20.016
State Priority	C
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK (Khabarovsk, Pyongyang FIRs)
Route Description	Implementation of new bi-directional ATS route: NULAR 405912N 1341100E – MESOV 383800N 1302300 ^E
Flight Level Band	28,000 – 53,000 ft
Benefit (fuel, environmental)	
Operational Information (potential airlines, flight frequency, potential city pairs)	Muravevka BG /
Remarks: Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 12). Planned implementation date 11 December 2014. Note: to verify has this route been implemented as L771?	WASAN SONDO WASAN

ATS Route Name	FE0056 / RDGE 20.017
State Priority	C
IATA Priority	
Requested by (when)	DPRK, Russia (01/09/2018)
States/Administrations Involved	Russia, DPRK, Japan (Khabarovsk, Pyongyang,
	Fukuoka FIRs)
Route Description	Implementation of new bi-directional ATS route
	segment:
	RIVAT 412900N 1321600E – New Waypoint (FIR
	BDRY between Pyongyang and Fukuoka)
Flight Level Band	
Benefit (fuel, environmental)	
Operational Information	
(potential airlines, flight frequency,	
potential city pairs)	
Remarks: Khabarovsk/Vladivostok airspace re-organisation project, (in map No. 13), for further discussion with JCAB, Japan. Planned implementation date as part of project in 2015. Implementation could not be progressed as no information from China at RDGE/28.	WASAN HAMUN SONDO NCHEON FIR 35 30 000 NCH

Chapter 6: Pacific

(referred to: IPACG, ISPACG as appropriate for review)

ATC Davida Nama	WDC 01
ATS Route Name	WPC 01
State Priority	HIGH
IATA Priority Requested by (when)	
States/Administrations Involved	IATA (30/07/2018)
States/Administrations involved	Papua New Guinea, Indonesia, USA, Philippines,
	Japan, Taibei ACC (Port Moresby, Ujung Pandang,
Danida Danidadi	Oakland Oceanic, Manila, Fukuoka, Taibei FIR)
Route Description	Port Moresby (PY) 0927.2S 14712.9E – Vanimo
	(VNO) 0240.7S 14118.2E – Koror (ROR) 0722.1N 13433.0E – ENDAX 1415.0N 13000.0E – BISIG
Elight Loyal Dand	2027.0N 12500.0E – TINHO 2421.2N 12201.7E FL250 – FL430
Flight Level Band	
Benefit (fuel, environmental)	163 NM / 15 minutes, 1,604 kg fuel, 5,053 kg CO ₂ ,
O	5,000 tonnes fuel, 15,700 tonnes CO ₂ annually
Operational Information	60 flights per week
(potential airlines, flight frequency,	Taibei and beyond – Australia, New Zealand, and
potential city pairs)	Papua New Guinea
Remarks: BISIG replaces the	
waypoint that was published in the	
ICAO route catalogue as that	
waypoint no longer exists. May also be useable as an offload route for	54.54.1/A.8X.// \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
flights between Manila and	TINHO
Australasia. At ATM/SG/6: PNG	BISIG
positive, Indonesia positive, Japan	
was reviewing, Philippines and Taibei yet to be discussed. At	ENDAX
ATMSG/7: Under consideration by	
Philippines. 17/01/2020: Philippines	ROR
supported the implementation of	ROK
this route. 23/10/2020: Japan	
commented this route proposal was	
under consideration. 16/09/2021:	VNO
Based on information provided by	
the IFATCA, implementation of this	PY
proposed route in Taibei FIR was	
not possible because it would cross	
ATS routes G581 and Q13, and	
traverse restricted area RCR 17.	
Proposed for deletion. 15/10/2021:	
Japan commented this route	
proposal was still under	
consideration.	
25/2/2022: Japan commented no	
discussion, but if necessary it would	
be put on the agenda at future	
meeting.	
23/9/2022: IFATCA, this proposal	
requires further coordination with	
the military.	
_	
During the ATMSG/12 meeting,	
IATA updated WPC 01 through	