

IATA Update of ICAO Asia Pacific Region ATS Route Catalogue and New Proposal

1. The following proposals pertain to operations in the sub-region.

Chapter 2: Routes in the Basic Air Navigation Plan (BANP, Doc 9673) not implemented (portions of routes not implemented are highlighted in bold).

➤ A469: HO CHI MINH (TSN) CONSON IS (CS)

Implemented as L643

➤ G461: **JAKARTA (DKI) CIREBON (CA) SEMARAN BLORA SURABAYA**

Route implemented except DKI – CA segment.
Subsequent proposals for alternative uni-directional routings have been made.

➤ G473: BAGO MAKAS **PHITSANULOKE (PSL) DANAG (DAN) LUBANG (LBG)**

Will provide parallel track to L628

➤ R459: **MANADO (MWB) BALIKPAPAN (BPN) ELANG PONTIANAK (PNK) MINOS TANJUNG PINANG (TI)**

Route largely served as W15/W36

➤ R579: **PADANG (PDG) PEKANBARU (PKU) MALACCA (MC)**

➤ M522: **VINIK KOTA KINABALU MAMOK DENPASAR**

Implemented

➤ M635: **SINGAPORE RAMPY SANOS CURTIN**

➤ M774: **SINGAPORE KIKEM**

Implemented

➤ P648: **Jakarta ATOSO AMBOY AKULA KIBON OSUKA OMEGA OKADA Kinabalu**

Implemented

➤ M768: **ELBIS PORAK LADOP MAMOK**

Implemented

Chapter 4: Future Route Requirements – States

➤ Himalaya 2: **KTM – BBD – GGT – KKV – IIM – KMG**

This was subject to an Information Paper at SEA-RR TF/4. China advised that they would seriously look at the proposal and would coordinate with Nepal (ref SEA-RR TF/4 Report para 8.4). This was also presented as part of a similar paper at BBACG/22

➤ VIETNAM: NOB – Lao Cai – KMG

➤

Supports traffic operating to/from SEA and Western China. Route exists between NOB – Lao Cai.

➤ VIETNAM: NOB – CAB – SAMAS/ BALOV or LH

Supports traffic from Hanoi/Myanmar and South Asia to PRD region

Chapter 5: Future Route Requirements – Users

➤ SEA 2: DAN – SYX

Supports traffic SEA – Hainan Island and possible alternative routing for PRD. Links with SEA 5

➤ SEA 3: BUT XXXXX ENREP

Supports traffic between Thailand and Australia/ Eastern Indonesia. Also presented by Thailand (SEA-RR TF/3 WP/08) as M752.

➤ SEA 5: ST – DAN

Supports traffic SEA – Hainan Island. Links with SEA 2

➤ SEA 6: PAKSE – ASSAD

Supports traffic from SEA – PRD/ and Southern China

➤ SEA 10: CAVOI or IGNIS - QUNGI – SMU

Supports traffic from NEA to Phuket and beyond. Will require linkages to/from QUNGI as original proposed points CAVOI/ IGNIS no longer exist

➤ SEA 11: DAN –SAMBO – SYX and DAN – BUNTA – SYX

Uncertain about the history or need for this proposal. IATA will review proposal and advise

➤ SEA 12: ROT – HUGUANG

Supports traffic between Southern China/PRD and Bangkok/ Sri Lanka/ AFI. Provides parallel to A202 route similar to proposal for uni directional routes proposed through SEA-RR/TF

➤ SEA 13: HTY – RAN

This route is currently available as W17 via STN (0.5nm difference). The proposed new route is no longer required although potential exists for a re-designation

➤ SCS 1: DAMEL – CH

Proposed route shortening for M771 into PRD area. Similar other proposals have been made through SEA-RR TF

➤ SCS 2: CH – VEPAM

Proposed route shortening for L642 out of PRD area. Similar other proposals have been made through SEA-RR TF.

➤ SCS 3: IDOSI – EXOTO

Supports traffic from SEA to PRD area and China. Route may not be necessary depending on outcome of SEA-RR/TF

➤ SCS 4: CS – VKL

Supports traffic from KUL from North East.

➤ SCS 5: EXOTO – DAMVO – MELAS – LUSMO

Supports traffic from China/PRD towards Jakarta and other Indonesian ports. Need to be considered in conjunction with developments with L642/M771 and possibly SCS ADS-B project

➤ SCS 6: LUSMO - MELAS – DAMVO

Duplicate of part of SCS 5. Route can be deleted

➤ SCS 7: DULOP - LAXOR – BRU

Supports traffic from Perth, Eastern Malaysia and Eastern Indonesia to PRD, China. Segment DULOP to LAXOR exists as M772.

➤ SCS 8: DULOP – ELATO (ENVAR) or DULOP – KAPLI

Supports traffic NEA/SEA. Potentially problematic as will impact SCS traffic arrangements. IATA to review

➤ SCS 9: ENDAX – TOKON or DILIS – TOKON

ENDAX-TOKON published as Z902. SCS 9 can be deleted

➤ PHI 1: MIA – MEVIN or CAB – MEVIN

Supports traffic between Manila and Japan/North America

➤ PHI 3: TNN – MUMOT

- Supports traffic to Southeast Asia
- PHI 4: AKOTA – Henchun (HCN)
- Supports traffic from Southeast Asia
- TPE 1: Anpu (APU) – MIKES
- Supports traffic to and from Japan
- THAI 1: KRT – DWI
- This route supports traffic operating from the Southern China/ HKG area towards Sri Lanka, South India and Africa. It provides a 15nm reduction in track mileage via overhead BKK
- IDO 1: SJ – MABIX
- This route supports traffic from SIN to CBI, TVM and an alternative to the Middle East. It provides a 10 nm reduction in track mileage (16nm if traffic route via MDN).
- IDO 5: VPG – GIVAL
- This route is available as a westbound route Y337. The proposal can be deleted although potential exists for eastbound traffic
- WPC 1: PY – VNO – ROR – ENDAX – ELMAS – TINHO
- Supports traffic to and from New Zealand/eastern Australia
- PRD 1: POU – ZUH – SIERA
- Route published as R473.Can be deleted
- PRD 2: POU – ZUH – SIERA – SIKOU
- Refer to PRD 1. Links traffic with A202 and PRD. SIERA is adjacent to air route A202. Is this route already available?

2. **New Proposals**

2.1 Other routes and operational enhancements have been proposed at various other forums but for one reason or another have not progressed. The following proposals are outstanding and need to be considered for inclusion.

SEA-RR/TF

TF/1

- Viet Nam: ATS route Cat Bi – Haikou and ATS route Cat Bi – Sanya (TF/1 WP/08)

- Viet Nam: ATS/RNAV route DVOR/DME Phu Cat – LENKO/IKELA. (TF/1 WP/08)
 - Viet Nam: Direct ATS route Vientiane - Siem Riep/Phnom Penh within Vientiane, Bangkok and Phnom Penh FIRs serving traffic Vientiane and Siem Riep/Phnom Penh/Ho Chi Minh. (TF/1 WP/08)
- TF/2
- Viet Nam: New ATS routes Siem Riep –UBON – VILAO within Phnom Penh, Bangkok and Vientiane FIRs serving traffic between Ha Noi and Siem Riep. (TF/2 WP/06)
 - Philippines: New route parallel to L628 which would meet the objectives of enhancing route capacity, operational efficiency and environmental outcomes. (TF/2 WP/10)
- TF/3
- Viet Nam: Siem Riep – UBON – VILAO within Phnom Penh, Bangkok and Vientiane FIRs serving traffic between Ha Noi and Siem Riep. (TF/3 WP/07)
 - Viet Nam: POPET - Siem Riep within the Phnom Penh FIR serving traffic between Ho Chi Minh City and Siem Riep. (TF/3 WP/07)
 - Viet Nam: LPB – CMA-BGO, PAE-TATEL or any other option within Bangkok and Yangon FIRs serving traffic between Hanoi and Yangon. (TF/3 WP/07)
 - Thailand: Proposal to implement M752 to assist aircraft operation between Bangkok and Australia, taking into account environmental and operational efficiency gains; BKK - BUT - GOMOL -ODONO - TONIK - UPRON – ENREP (Presently listed in ATS Route Catalogue Chapter 5 under SEA 3). (TF/3 WP/08)
- TF/4
- Nepal: Implementation of Himalaya 2 route (TF/4 IP/02)
 - Viet Nam: Route Phu Cat - LENKO (or 01 other suitable point on Route A1 to the North of LENKO) serving traffic between Ha Noi/Haiphong and Hong Kong/Northeast Asia (With this case, the segment of route G221 BUNTA – PCA would be revised as BUNTA – Chu Lai in order to establish corridors to/from Chu Lai airport which will be upgraded to int’l airport in the coming time). (TF/4 WP/09)
 - Viet Nam: Route Cam Ranh (or Buon Ma Thuot) – Mundulkiri serving traffic between Cam Ranh/Da Lat/Buon Ma Thuot and Phnom Penh/Siem Riep in the coming time. (TF/4 WP/09)
 - IATA: Proposed new parallel route to L628; VTBS GOMES SRE N13 02 37.00/E109 07 43.00 N13 00.0/E114 42.8 N13 12.2/E116 47.6 N13

46.5/E118 36.8 N14 09.4/E119 51.4 RPPL (this is indicative only and could be revised if required by States). (TF/4 WP/06).

2.2 Summary of proposals from IATA since TF/1

- realignment of L642 and M771 (between the Sanya and the Hong Kong FIRs);
- establish unidirectional flow/realignment A1;
- establish unidirectional flow/ realignment A202;
- unidirectional crossing routes (to increase primary traffic flow capacity)
 - MNL – TPE;
 - MNL – HKG;
 - MNL – BKK; and
 - BSW – BKK.
- unidirectional routes
 - BKK – BJS; and
 - BKK – SHA.
- availability of 30 NM/30 NM separations where appropriate;
- RNAV 5 on L642/ M771 when full surveillance/VHF permits;
- RNAV 5 corridor SIN – JKT – BLI – SIN; and
- upgrading non-RNAV to RNAV routes.

2.3 Other proposals outstanding from other meetings:

- ENDAX – VJN; and
- OK – BISIS – APITO.