

INTERNATIONAL CIVIL AVIATION ORGANIZATION



**REPORT
OF
THE ICAO ASIA/PACIFIC SYSTEM WIDE INFORMATION MANAGEMENT
(SWIM) SEMINAR 2023
*Asia/Pacific SWIM: Where are We Now?***

Bangkok, Thailand

8 May 2023

The views expressed in this Report should be taken as those of the Meeting and not the Organization

Approved by the Meeting and published by the ICAO Asia and Pacific Office, Bangkok

	Page
PART I – HISTORY OF THE SEMINAR	
Introduction.....	1
Attendance	1
Opening of the Seminar	1
Officers and Secretariat.....	1
Organization, Working Arrangements, Language and Documentation.....	1
Summary of Presentations	1
Closing of Seminar.....	3

LIST OF ATTACHMENTS**Attachment 1:** List of participants**Attachment 2:** Seminar Programme

PART I – HISTORY OF THE MEETING

1. Introduction

1.1 The ICAO Asia/Pacific System-Wide Information Management (SWIM) Seminar 2023 was held on **8 May 2023** at the ICAO Asia and Pacific Regional Office, Bangkok, Thailand. The theme of the Seminar was *Asia/Pacific SWIM: Where are We Now?* The Seminar focused on sharing SWIM implementation status across the Asia/Pacific region. In particular, diverse SWIM stakeholders spanning various stages of implementation offered their insights and key lessons learned from their SWIM journeys. Additionally, this event aimed to foster the exchange of views on how the ICAO Asia/Pacific SWIM Task Force can best support the regional SWIM Implementation

2. Attendance

2.1 The Seminar was attended by **70** participants from **16** States/Administrations, and **2** International Organizations, including Australia, Cambodia, China, Hong Kong China, India, Japan, Lao PDR, Malaysia, New Zealand, Philippines, the Republic of Korea, Singapore, Sri Lanka, Thailand, USA, Vietnam, IATA, and ICAO. The list of participants is provided in **Attachment 1**.

3. Opening of the Meeting

3.1 The Seminar was opened by Dr. Amornrat Jirattigalachote, Strategic Planning Manager (Engineering), Policy and Strategy Management Bureau of AEROTHAI, Co-Chair of SWIM Task Force, and Ms. Kristin Cropf, SWIM Programme Manager, Federal Aviation Administration (FAA) and Co-Chair of SWIM Task Force. Dr. Amornrat Jirattigalachote warmly welcomed all participants and thanked Member States/Administrations and the International Organization for continuously supporting ICAO regional activities. She briefly explained the significant presentations of the Seminar and the benefits of enhancing the task force's leadership with regional views to better deal with the challenges and progress the implementation of SWIM. Ms. Kristin Cropf also shared gratitude to all Task Leads and speakers for supporting the SWIM Seminar.

4. Officers and Secretariat

4.1 Dr. Amornrat Jirattigalachote, Co-Chair of the SWIM Task Force, moderated the Seminar.

4.2 Ms. Soniya Nibhani, Regional Officer ANS (CNS) Implementation, facilitated the Seminar with the support of Ms. Zhong Wenhan, Regional Officer CNS, and Ms. Varapan Meefuengart, the Programme Assistant, from ICAO Asia and Pacific Regional Office.

5. Organization, Working Arrangements, Language, and Documentation

5.1 The Seminar was organized for a full day. The working language was English, inclusive of all documentation and this Report.

6. Summary of Presentations

6.1 A total of **Nine** (9) presentations were delivered by Experts from Australia, Hong Kong China, India, Japan, the Republic of Korea, Singapore, Thailand, USA, and SWIM TF Co-Chairs. The presentation materials can be accessed by the [link](#).

The Summaries of all presentations are as follows:*SP01 – ICAO Asia/Pacific SWIM Task Force Journey*

6.2 Dr. Amornrat Jirattigalachote, ICAO APAC SWIM Task Force Co-Chair, shared the ICAO APAC SWIM Task Force (SWIM TF) Journey. She recalled the significant achievements of SWIM TF since its establishment in 2017 and how they helped speed up the SWIM implementation in the APAC region. It was informed that SWIM TF is focusing on developing the APAC Regional Document(s), including implementation roadmap and regional guidance on several SWIM components such as SWIM technical infrastructure specifications, governance framework, registry models, etc.. It was added that SWIM TF is working closely with other sister contributory bodies of the ICAO APAC region, such as CRV OG, SURSG/S3TIG, ATFM SG, and FF-ICE SWG along with AMHS/SWIM Gateway Study Group (SWAMWAY SG) from EUR/NAT region to promote SWIM implementation.

SP/02 - CAAS SWIM Journey

6.3 Mr. David Leow, Head (Air Traffic Management Software Engineering), Civil Aviation Authority of Singapore (CAAS), and Mr. Elvin Liow, Principal Engineer, CAAS, introduced Singapore's, SWIM Journey. Mr. David Leow recalled CAAS's experience in participating in the two Mini Global Demonstrations in 2013 and 2016 by which CAAS was introduced with the concept of SWIM. Experiment with Prototype SWIM in 2015, including the Prototype architecture and its coverage, the SWIM in ASEAN Demonstration in 2019, and the 2020 decision to upgrade the CAAS Prototype SWIM to support ATM operations were elaborated. Furthermore, the presentation also provided the lessons learned from the two demonstrations mentioned above, the SWIM in ASEAN demonstration, and the ones from implementing the CAAS SWIM. Furthermore, Singapore's expectations from the SWIM TF were shared with participants.

SP/03 - JCAB SWIM Journey

6.4 Mr. Yasushi Iwasawa, Special Assistant to the Director, Japan Civil Aviation Bureau, briefed about the Introduction of SWIM in JAPAN. He shared the current status and issues of information sharing in JCAB and solutions to solve those issues by introducing SWIM to support the realization of measures for the growing air traffic such as Trajectory Based Operations. Participants were further informed about JCAB's history of SWIM implementation since 2017, steps for service providers and users to start SWIM development and operation, and work plans for preparatory meetings for SWIM in Japan. The lessons learned from SWIM's initial services development together with additional reference information, were shared.

SP/04 - AEROTHAI SWIM Journey

6.5 Mr. Arthit Tosukolvann, Executive Air Traffic Systems Engineer, AEROTHAI, presented AEROTHAI SWIM Journey from the participation in the Mini Global I & II demonstrations in 2014-2015 to several latest and upcoming milestones such as FF-ICE/R1 Technical Trial, AAI-AEROTHAI Test, and SWIM Implementation in 2022-2025. He informed important milestones achieved and lessons learned from the Mini Global demonstrations I & II, SWIM Infrastructure Prototype development, the SWIM in ASEAN Demonstration, the work on FIXM version 4.1 APAC Extension, SWIM Information Services Prototype development, the Multi-Regional TBO Demonstration, the progress on FIXM version 4.2 Extension, the FF-ICE/R1 Technical Trial, AAI-AEROTHAI Test, and the operational SWIM implementation. Lastly, he informed about expectations from SWIM TF.

SP/05 - KAC SWIM Journey

6.6 Mr. Sehwan Han, Senior Research Engineer, Korea Airports Corporation, shared the ROK

SWIM Journey, focusing on the information lifecycle from provider to consumer in ROK's SWIM Trial Operation. He shared detailed information about the SWIM Testbed, including information sources in the test bed, consideration on information sources, information handling in the SWIM Testbed, and business service categories applied. In addition, he informed about SWIM Trial operations and roles of different stakeholders, including the Korea Aerospace Research Institute (KARI), Digital Air Traffic Management (DATM) Center, Operations Control Center at Headquarters (HQ) of Korea Airports Corporation (KAC), and others. Lastly, lesson learned from the whole journey was shared with participants.

SP/06 - AAI SWIM Journey

6.7 Mr. Lalit Kumar Pawar, Assistant General Manager (CNS), Airports Authority of India (AAI), introduced the SWIM project undertaken by AAI and the lessons learned from their SWIM journey. He explained the capabilities, technical infrastructure, information exchange models and databases used, the SWIM digital applications developed, and the considered SWIM governance of the SWIM system in AAI. The architecture used for SWIM integration with AEROTHAI and the AHMS in Mumbai as well as the challenges encountered were also elaborated. Lastly, a summary of the lessons learned from the SWIM journey in AAI and expectations from the SWIM TF was explained in details.

SP/07 - FAA SWIM Journey

6.8 Ms. Kristin Cropf, SWIM Programme Manager, Federal Aviation Administration (FAA), shared the FAA SWIM journey. She shared the historical information and current status of SWIM in the United States (US), along with SWIM's Role in FAA Operations. The current US SWIM environment, the lessons learned, and the improvement plan for each SWIM component as per the SWIM scope outlined in ICAO Doc 10039 Manual on SWIM Concept were shared. Lastly, the considerations on security aspect and SWIM operations as well as the considerations for SWIM TF were explained.

SP/08 - Hong Kong Observatory (HKO) SWIM Journey

6.9 Mr. Marco Kok, Acting Senior Scientific Officer, Hong Kong Observatory, presented the Hong Kong Observatory (HKO) SWIM Journey. He shared highlights of developments of SWIM in HKO and informed that HKO is working closely with local airlines adopting the bottom-up approach by establishing use cases and developing solutions to support their operations. The concept of the data slicing server to customize data, tailored in terms of time series and flight route as well as incorporated with Mode-S MET data, and other relevant details were shared with the participants. Additionally, the lessons learned so far and the expectations from SWIM TF, especially the close coordination with MET/IE WG and MET/R WG under ICAO APAC MET SG, were highlighted.

SP/09 - Australian BoM SWIM Journey

6.10 Mr. Aswhin Naidu, Aviation Customer Lead, Australian Bureau of Meteorology (BoM), presented the Australian BoM SWIM Journey. He introduced the exchange prototype of IWXXM data between BoM and Airservices Australia (AA) as well as the static SWIM Registry. The presentation further elaborated on the BoM's progress on IWXXM implementation, including how the aviation customers currently get MET products from BoM, the format of MET products and bulletins provided, and the current status and future plan for the IWXXM implementation. The topic structure for PUB/SUB message exchange pattern using AMQP was also raised for further discussion and consideration of SWIM TF. Lastly, the presentation summarized the positives observed so far and the challenges faced.

7. Closing of Seminar

7.1 Dr. Amornrat Jirattigalachote shared gratitude to delegates for their active participation and sharing of ideas. She summarised the key messages from each presentation, especially the expectations

from SWIM TF, including:

- Regional guidance on, e.g., SWIM technical infrastructure specifications, registry model, governance framework, security framework, information exchange model version to be used;
- Transition plan;
- Process/Framework to onboard other aviation stakeholders (not only ANSPs); and
- Regional SWIM operation management process.

7.2 She also extended sincere appreciation to all speakers for joining the Seminar and sharing the information with APAC Member States. Additionally, she expressed appreciation and gratitude to the participants of the event.

The ICAO APAC SWIM Seminar
(Bangkok, Thailand, 08 May 2023)
and

The Seventh Meeting of System Wide Information Management Task Force (SWIM TF/7)
(Bangkok, Thailand, 09 – 12 May 2023)

LIST OF PARTICIPANTS

	STATE/NAME		TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
1.	AUSTRALIA (1)				SEMINAR	MEETING
	1.	Mr. Ashwin Naidu	Aviation Customer Lead Australian Bureau of Meteorology (BoM)	ashwin.naidu@bom.gov.au;	✓	✓
2.	CAMBODIA (2)					
	2.	Mr. Bunkong Nov	Senior Manager, Procedure Design and Airspace Development, Cambodia Air Traffic Services	bunkongn@cats.com.kh;	✓	✓
	3.	Mr. Sivarak Chutipong	Director of Technical Development, Cambodia Air Traffic Services	sivarakc@cats.com.kh;	✓	✓
3.	CHINA (3)					
	4.	Ms. Honglei Gao	Senior Engineer CNS Division of Air Traffic Management Bureau, Civil Aviation Administration of China (CAAC)	hlgao_atmb@foxmail.com;	✓	✓
	5.	Mr. Lisi Su	Senior Engineer Southwest Regional Air Traffic Management Bureau, Civil Aviation Administration of China (CAAC)	slslsl13@163.com;	✓	✓
	6.	Mr. Wei Wang	Assistant Air Traffic Management Bureau Civil Aviation Administration of China	wangwei02@atmb.net.cn;	✓	✓
4.	HONG KONG, CHINA (3)					
	7.	Mr. Henry Chan	Electronics Engineer, Civil Aviation Department, Hong Kong, China	hhlchan@cad.gov.hk;	✓	✓

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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
	8. Mr. Ronald Ka Chung Lam	Air Traffic Management Standards Officer, HKSAR, China	rkclam@cad.gov.hk;	✓	✓
	9. Mr. Marco Mang-hin KOK	Acting Senior Scientific Officer, Hong Kong Observatory	mhkok@hko.gov.hk;	✓	✓
5.	INDIA (4)				
	10. Mr. LALIT PAWAR	Assistant General Manager , Airports Authority Of India (AAI)	lalitpawar@aai.aero;	✓	✓
	11. Mr. Mukesh Aggarwal	Assistant General Manager, Airports Authority Of India (AAI)	amukesh@aai.aero;	✓	✓
	12. Mr. Raja Shekhar Choppala	Joint General Manager(ATM), Airports Authority Of India (AAI)	crshekhar@aai.aero;	✓	✓
	13. Mr. Manoj Kumar	Senior Manager, CNS, Airports Authority Of India (AAI)		✓	✓
6.	JAPAN (2)				
	14. Mr. Xiaodong Lu	Principal Researcher, Electronic Navigation Research Institute	luxd@mpat.go.jp;	✓	✓
	15. Mr. Yasushi Iwasawa	Special Assistant to the Director, Japan Civil Aviation Bureau (JCAB)	iwasawa-y28j@mlit.go.jp;	✓	✓
7.	LAO PEOPLE'S DEMOCRATIC REPUBLIC (3)				
	16. Mr. Manivong DOUANGPHACHANH	Deputy director division, Department of Civil Aviation of Lao PDR	manivong_md@hotmail.com;	✓	✓

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and

The Seventh Meeting of System Wide Information Management Task Force (SWIM TF/7)
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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
	17. Ms. Davone Vilayseng	Deputy Director of Aeronautical Information Services Division, Lao Air Navigation Services (LANS)	davone.vs@gmail.com;	✓	✓
	18. Mr. Somphavanh KINGSADA	Deputy Director of Technical Division, Lao Air Navigation Services	somphavanhking@gmail.com;	✓	✓
8.	MALAYSIA (3)				
	19. Mr. Hisham Ibrahim	Software Engineer, Advanced Air Traffic Systems (M) Sdn Bhd	hisham.ibrahim@aat.my;	✓	✓
	20. Mr. Irman Ridwan	Principal Assistant Director, Civil Aviation Authority of Malaysia	irman.ridwan@caam.gov.my;	✓	✓
	21. Mr. Anwar Awang Man	Senior Solution Consultant, Telekom Malaysia	anod@tm.com.my;	✓	✓
9.	NEW ZEALAND (1)				
	22. Mr. Christopher Cloughley	Software Engineer, Airways New Zealand	chris.cloughley@airways.co.nz;	✓	✓
10.	PHILIPPINES (1)				
	23. Mr. Ernesto Jr Gagtan	Div. Chief III, CAAP	egagtanjr@yahoo.com;	✓	✓
11.	REPUBLIC OF KOREA (6)				
	24. Mr. SOO-HYUN LEE	Technological Research Department, KOREA AIRPORT CORPORATION	haha0982@airport.co.kr;	✓	✓
	25. Mr. Dong-kie Park	Director, Aviation Industry Research Institute, Korea Airports Corporation	pdkie@airport.co.kr;	✓	✓
	26. Mr. Sehwan Han	Senior Research Engineer, Korea Airports Corporation	hsh91@airport.co.kr;	✓	✓

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(Bangkok, Thailand, 08 May 2023)
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The Seventh Meeting of System Wide Information Management Task Force (SWIM TF/7)
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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
	27. Mr. Meong-Jun Cho	Deputy Director, Ministry of Land, Infrastructure and Transport of the Republic of Korea (MOLIT)	cho1015@korea.kr;	✓	✓
	28. Mr. Kyuok Cho	Assistant Director, Ministry of Land, Infrastructure and Transport of the Republic of Korea, Office of Civil Aviation	kyuok7237@korea.kr;	✓	✓
	29. Mr. KANG JISEOK	Director, STRAFFIC	thin41@hanmail.net;	✓	✓
12.	SINGAPORE (3)				
	30. Mr. Jackson Ho	Software Engineer, Civil Aviation Authority of Singapore (CAAS)	jackson_ho@caas.gov.sg;	✓	✓
	31. Mr. David Shin Hwah Leow	Head (Air Traffic Management Software Engineering), Civil Aviation Authority of Singapore	david_leow@caas.gov.sg;	✓	✓
	32. Mr. Wei Xiong Elvin Liow	Principal Engineer, Civil Aviation Authority of Singapore	elvin_liow@caas.gov.sg;	✓	✓
13.	SRI LANKA (2)				
	33. Ms. Nishani Cooray	Head of the AIM Unit, AIR PORT AND AVIATION(SL) LTD	manager.aim@airport.lk;	✓	✓
	34. Mr. Asanga Bandara	Deputy Head of Electronics & Air Navigation Engineering, Airport and Aviation Services (Sri Lanka) Ltd.	asanga.eane@airport.lk;	✓	✓
14.	THAILAND (17)				

The ICAO APAC SWIM Seminar
(Bangkok, Thailand, 08 May 2023)
and

The Seventh Meeting of System Wide Information Management Task Force (SWIM TF/7)
(Bangkok, Thailand, 09 – 12 May 2023)

	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
35.	Ms. Amornrat Jirattigalachote	Strategic Planning Manager (Engineering) Aeronautical Radio of Thailand Ltd. (AEROTHAI)	amornrat.ji@aerothai.co.th;	✓	✓
36.	Mr. Paytye Junphuang	Director of Aviation Services Standard Department, Airport of Thailand PLC.	paytye.junph@airportthai.co.th;	✓	✓
37.	Ms. Suvachira Teeraphathananon	Senior Engineer, Airport of Thailand PLC.	suvachira.t@airportthai.co.th;	✓	✓
38.	Ms. Nuanpan LEELAWAT	Director of Obstacle Limitation Control and Aerodrome Chart Division, Aerodrome Standard and Safety Department, Airports of Thailand Public Company Limited (AOT)	nuanpan.l@airportthai.co.th;	✓	✓
39.	Mr. Somchai Yimsricharoenkit	Meteorological Specialist, Civil Aviation Authority of Thailand (CAAT)	somchai.y@caat.or.th;	✓	✓
40.	Mr. Wittavat Charoenpittaya	Transport Technical Officer, Department of Airports, Thailand	wittavat.c@airports.go.th;		✓
41.	Mr. Worapong Noothong	Meteorologist, Thai Meteorological Department	pui-74@hotmail.com;	✓	✓
42.	Ms. Rassmee Damrongkietwattana	Director of Aeronautical Weather Monitoring Sub-division, Thai Meteorological Department	rassmee@hotmail.com;	✓	✓
43.	Mr. Chaiwat Saekhew	Officer, The Civil Aviation Authority of Thailand	chaiwat.s@caat.or.th;	✓	✓
44.	Mr. Sirawich Wattanananta	Officer, The Civil Aviation Authority of Thailand	sirawich.w@caat.or.th;	✓	✓

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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
45.	Ms. Bussaya Wutthiyachoto	Air Navigation Services Standards Department Officer, The Civil Aviation Authority of Thailand	bussaya.w@caat.or.th;	✓	✓
46.	Mr. Chai Kaewkitinarong	Head of Aeronautical Information Services Oversight Division, The Civil Aviation Authority of Thailand (CAAT)	chai.k@caat.or.th;	✓	✓
47.	Ms. Nattha Inluemsai	Senior Officer, The Civil Aviation Authority of Thailand (CAAT)	nattha.i@caat.or.th;	✓	✓
48.	Mr. Wanchalearm Petsuwan	Computer Technical Officer, Professional Level, Meteorological Department			✓
49.	Ms. Jittima Asawachaiporn	Aeronautical Information Manager, Aeronautical Radio of Thailand Ltd. (AEROTHAI)	jittima.as@aerothai.co.th;	✓	✓
50.	Mr. Arthit Tosukolvan	Executive Air Traffic Systems Engineer Aeronautical Radio of Thailand Ltd. (AEROTHAI)	arthit.to@aerothai.co.th;	✓	✓
51.	Mr. Thanathorn Dechasawatwong	Aeronautical Information Manager Aeronautical Radio of Thailand Ltd. (AEROTHAI)	tanatorn.da@aerothai.co.th;	✓	✓
15.	USA (4)				
52.	Mr. Shane A. Campbell	Senior Air Traffic Representative, Air Traffic Organization, FAA	Shayne.a.campbell@faa.gov;	✓	✓
53.	Ms. Diana Liang	Enterprise Portfolio Manager, Office of NextGen, FAA	Diana.liang@faa.gov;	✓	✓

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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
	54. Mr. Wen Zhu	Principal Engineer, FAA	Wen.ctr.zhu@faa.gov;	✓	✓
	55. Ms. Kristin Cropf	SWIM Program Manager, FAA	Kristin.m.cropf@faa.gov;	✓	✓
16.	VIET NAM (5)				
	56. Mr. Ho Sy Tung	Deputy Director General, Viet Nam Air Traffic Management Corporation (VATM)	hosytung@vatm.vn;	✓	✓
	57. Mr. Pham Hung Son	Deputy Director, Viet Nam Air Traffic Management Corporation (VATM)	sonph@vatm.vn;	✓	✓
	58. Mr. Pham Van Hoi	Air Traffic Flow Management, Viet Nam Air Traffic Management Corporation (VATM)	hoiatcc@gmail.com;	✓	✓
	59. Mr. Nguyen Duc Dung	Aeronautical Information Center, Viet Nam Air Traffic Management Corporation (VATM)	dungnd@vatm.vn;	✓	✓
	60. Mr. Le Ngoc Chanh	ATS, Viet Nam Air Traffic Management Corporation (VATM)	chanha17@yahoo.com;	✓	✓
17.	IATA (6)				
	61. Mr. John Moore	Assistant Director, Safety & Flight Operations, ASPAC, International Air Transport Association (IATA)	moorej@iata.org;	✓	✓
	62. Mr. Phantawit Sripipat	Officer - Airport Compliance Monitoring, Bangkok Airways	phantawit@bangkokair.com;	✓	✓
	63. Mr. Teppasidh Phadungyotee	Airport Quality Assurance Manager, Bangkok Airways Public Company Limited	teppasidh.pha@bangkokair.com;	✓	✓

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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
	64. Ms. Suchavalee Yimchalam	Acting Supervisor - Airside Operations, Bangkok Airways Public Company Limited	suchavalee@bangkokair.com;	✓	✓
	65. Ms. Jullada Chullapant	Chief Flight Operation Officer, THAI Operations Control Center (TOC) Thai Airways	jullada.c@thaiairways.com;	✓	✓
	66. Mr. Jatooron Suwannarat	Senior Information Technology Specialist, Solution Delivery Department, Digital Department, Thai Airways	Jatooron.s@thaiairways.com;		✓
18.	PCCW GLOBAL (2)				
	67. Mr. Bono Ng	Business Development Manager, PCCW Global Limited	bcng@pccwglobal.com;		✓
	68. Mr. Benny Cheng	Vice President, PCCW Global Ltd	benny.hf.cheng@pccw.com;		✓
19.	ICAO (7)				
	69. Ms. Soniya Nibhani	Regional Officer ANS (CNS) Implementation International Civil Aviation Organization Asia and Pacific Office	snibhani@icao.int;	✓	✓
	70. Mr. Luo Yi	Regional Officer CNS International Civil Aviation Organization Asia and Pacific Office	yluo@icao.int;	✓	✓
	71. Mr. Peter Dunda	Regional Officer MET International Civil Aviation Organization Asia and Pacific Office	PDunda@icao.int ;	✓	✓
	72. Mr. Hiroyuki Takata	Regional Officer, Air Traffic Management ICAO Asia and Pacific Regional Office	htakata@icao.int;	✓	

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	STATE/NAME	TITLE/ORGANIZATION	E-MAIL	ATTENDANCE	
	73. Ms. Zhong Wenhan	Regional Officer CNS International Civil Aviation Organization Asia and Pacific Office	wzhong@icao.int;	✓	✓
	74. Mr. Weng Kit Ying	Air Traffic Management Officer International Civil Aviation Organization Asia and Pacific Office	wying@icao.int;	✓	
	75. Ms. Varapan Meefuengsart	Program Assistant International Civil Aviation Organization Asia and Pacific Office	vmeefuengsart@icao.int;	✓	✓



ICAO

ICAO Asia/Pacific
System-Wide Information Management (SWIM)
Seminar 2023

8 May 2023

Asia/Pacific SWIM: Where are We Now?

Overview The seminar will focus on sharing of SWIM implementation status across the Asia/Pacific region. In particular, diverse SWIM stakeholders spanning various stages of implementation will offer their insights and key lessons learned from their SWIM journeys. Additionally, this event aims to foster the exchange of views on how the ICAO Asia/Pacific SWIM Task Force can best support the regional SWIM implementation.

Moderated by	Amornrat Jirattigalachote (ICAO Asia/Pacific SWIM Task Force Co-Chair) Strategic Planning Manager (Engineering) Aeronautical Radio of Thailand Ltd. (AEROTHAI)
Facilitated by	Soniya Nibhani ICAO Asia/Pacific Regional Officer, Air Navigation Services Implementation

Seminar Programme

*UTC+07.00

0900-0910

Opening Remarks

Speaker:

Amornrat Jirattigalachote, ICAO Asia/Pacific SWIM Task Force Co-Chair, Strategic Planning Manager (Engineering), AEROTHAI
Kristin Cropf, ICAO Asia/Pacific SWIM Task Force Co-Chair, SWIM Programme Manager, Federal Aviation Administration

0910-0915

Opening Remarks and Housekeeping Announcement

Speaker: Soniya Nibhani, ICAO Asia/Pacific Regional Officer, Air Navigation Services Implementation

0915-0935

ICAO Asia/Pacific SWIM Task Force Journey

Speaker: Amornrat Jirattigalachote, ICAO Asia/Pacific SWIM Task Force Co-Chair, Strategic Planning Manager (Engineering), AEROTHAI

0935-0955

CAAS SWIM Journey

Speaker: David Leow, Head (Air Traffic Management Software Engineering), Civil Aviation Authority of Singapore

0955-1015

JCAB SWIM Journey

Speaker: Yasushi Iwasawa, Special Assistant to the Director, Japan Civil Aviation Bureau

- 1015-1035 **AEROTHAI SWIM Journey**
Speaker: Arthit Tosukolvan, Executive Air Traffic Systems Engineer, AEROTHAI
- 1035-1100 --- Break ---
- 1100-1120 **KAC SWIM Journey**
Speaker: Sehwan Han, Junior Research Engineer, Korea Airports Corporation
- 1120-1140 **AAI SWIM Journey**
Speaker: Lalit Kumar Pawar, Assistant General Manager (CNS), Airports Authority of India
- 1140-1300 --- Lunch ---
- 1300-1320 **FAA SWIM Journey**
Speaker: Kristin Cropf, SWIM Programme Manager, Federal Aviation Administration
- 1320-1340 **HKO SWIM Journey**
Speaker: Marco Kok, Acting Senior Scientific Officer, Hong Kong Observatory
- 1340-1400 **Australian BoM SWIM Journey**
Speaker: Ashwin Naidu, Aviation Customer Lead, Australian Bureau of Meteorology
- 1400-1430 **Q&A and Wrap Up**