TENST Report 2024

Telemedicine Network Society Thailand

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Acknowledgement

It is a great honor to work and receive such support from all of you. We would like to express our deep gratitude for the support you have provided. Having you as part of our success is a tremendous privilege. Please know that your thoughts and support are highly valued to us. We are delighted to have the opportunity to serve you and to ensure your satisfaction.

Thank you once again for your generosity and kindness in providing support. If you have any suggestions or other feedback, please do not hesitate to share them with us. Our team is delighted to collaborate with you in creating the best possible outcomes for those who trust and support us continually.

Thank you once more for being an integral part of our journey!

Telemedicine Network Society Thailand

Summary

APAN57 Meeting Venue (Function Rooms 4th Floor)

The session room are consisting of:

- Chid Lom
- Phrom Phong
- Phloen Chit
- Thong Lo

"Integrating technology and collaborative brainstorming has fostered a spirit of cooperation and teamwork within the Engineer Working Group, leading to outstanding outcomes for APAN 57. We would like to express our gratitude to the Engineer Working Group for their dedication and commitment."

CHID LOM

The team consists of:

Netithon Wiphutwiphaporn   Faculty of Medicine Siriraj Hospital, Mahidol University

Sutthana Nonthapaoraya   Faculty of Medicine Siriraj Hospital, Mahidol University

29th January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	Farewell the IAM Taskforce, to business in the IAM Working Group	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	The reception and transmission of audio and visual content are of good quality.
2.	Reviewing, refreshing, and enhancing your national eduroam deployments.	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	Network outage lasting 3 minutes.

Issue: Network outage lasting 3 minutes.

Resolution: The network team promptly addressed and resolved the issue, restoring normal functionality.

30th January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	Identity Federations – Short talks and federation updates	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	The reception and transmission of audio and visual content are of good quality.
2.	Introduction to SIRTFI-Security Incident Response Trust Framework for Federated Identity	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

31st January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	Training: Connecting a service to your federations	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	The reception and transmission of audio and visual content are of good quality.
2.	Workshop: Connecting services from eduGain	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	The reception and transmission of audio and visual content are of good quality.
3.	Workshop: Providing services to eduGAIN	Eastin Grand Hotel Chid Lom, Thailand	Terry Smith, Head of Support, Australian Access Federation, Australia	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

PHROM PHONG

The team consist of:

Pisut Bunsong	Faculty of Medicine Ramathibodi Hospital, Mahidol University
Kanok Yampian	Faculty of Medicine, Thammasat University
Worawit Chananet	Royal College of Surgeons of Thailand

29th January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	DMWG, OSDWG, and AgWG's the "Building Climate Resilience Through Digital Information and Technology Masterclass Sign up or log in to save this to your schedule, view media, check-in, leave feedback and see who's attending!	Eastin Grand Hotel Chid Lom, Thailand	1. Pakorn Apaphant, Director of GISTDA, Thailand 2. Shinishi Sobue, Senior Expert at JAXA, Japan 3. Li-Yu Chang, Senior Expert at Taiwan Space Agency (TASA), Taiwan	The reception and transmission of audio and visual content are of good quality.
2.	DMWG, OSDWG, and AgWG's the "Building Climate Resilience Through Digital Information and Technology Masterclass Sign up or log in to save this to your schedule, view media, check-in, leave feedback and see who's attending!	Eastin Grand Hotel Chid Lom, Thailand	1. Ariel Blanco, Senior Expert at Philippines Space Agency, Philippines 2. Law Wing Keung, Adrian, Professor at National University of Singapore (NUS)/Nanyang Technological University Singapore (NTU), Singapore 3. Eric Yen, Senior Expert of ASGC, Taiwan	The reception and transmission of audio and visual content are of good quality.
4.	DMWG, OSDWG, and AgWG's the "Building Climate Resilience Through Digital Information and Technology Masterclass Sign up or log in to save this to your schedule, view media,	Eastin Grand Hotel Chid Lom, Thailand	1. Veerachai Tanpipat, Hydro-Informatics Institute (HII) and ThaiREN, Thailand 2. Eric Yen, Academia Sinica Grid Center (ASGC), Taiwan	Network outage lasting 3 minutes.

	check-in, leave feedback and see who's attending!		3. Franz A. De Leon, Advanced Science and Technology Institute (ASTI)	
5.	DMWG, OSDWG, and AgWG's the "Building Climate Resilience Through Digital Information and Technology Masterclass Sign up or log in to save this to your schedule, view media, check-in, leave feedback and see who's attending!	Eastin Grand Hotel Chid Lom, Thailand	1.Lorant Cazaran, Senior Expert at UN-SPIDER 2.Mitsuru Kameya, Information Systems Division, MAFFIN, Japan 3.Neyzielle Ronnique R. Cadiz, Senior Science Research Specialist	The reception and transmission of audio and visual content are of good quality.

Issue: Network outage lasting 3 minutes.

Resolution: The network team promptly addressed and resolved the issue, restoring normal functionality.

30th January 2024

Contents	Connecting Institutions (main)	Moderator	Comment
1. DMWG, OSDWG, and AgWG's the "Building Climate Resilience Through Digital Information and Technology Masterclass Sign up or log in to save this to your schedule, view media, check-in, leave feedback and see who's attending!	Eastin Grand Hotel Phrom Phong, Thailand	1. Tso-Ren Wu, Professor at National Central University (NTU), Taiwan 2. Chuan-Yao Lin, Senior Expert at Research Center for Environmental Changes, ASGC, Taiwan	The reception and transmission of audio and visual content are of good quality.
2. DMWG, OSDWG, and AgWG's the "Building Climate Resilience Through Digital Information and Technology Masterclass Sign up or log in to save this to your schedule, view media, check-in, leave feedback and see who's attending!	Eastin Grand Hotel Phrom Phong, Thailand	1. Ariel Blanco, Senior Expert at Philippines Space Agency 2. Law Wing Keung, Adrian, Professor at National University of Singapore (NUS) / Nanyang Technological University	The reception and transmission of audio and visual content are of good quality.

		3. Eric Yen, Senior Expert of ASGC, Taiwan Singapore (NTU), Singapore	

Issue: None

Resolution: None

31st January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	Disaster Mitigation WG Regional Collaboration Status Chair Election Discussion	Eastin Grand Hotel Phrom Phong, Thailand	Disaster Mitigation Working Group (DMWG) is to support the sustainability of the Earth and humanities.	The reception and transmission of audio and visual content are of good quality.
2.	Asia Pacific Open and Sharing Data	Eastin Grand Hotel Phrom Phong, Thailand	Senior Expert, Hydro-Informatics Institute Veerachai Tanpipat (D.Eng.)	The reception and transmission of audio and visual content are of good quality.
3.	E-Culture Meeting Working Group Election	Eastin Grand Hotel Phrom Phong, Thailand	Faridah Noor Mohd Noor Associate Professor, University of Malaya	The reception and transmission of audio and visual content are of good quality.
4.	Closed Meeting	Eastin Grand Hotel Phrom Phong, Thailand	Faridah Noor Mohd Noor Associate Professor, University of Malaya	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

1st February 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	The "Building Climate Resilience Through Digital Information and Technology Masterclass - TASA Open Data Cube Workshop - Participants Need to Install QGIS in their Laptops	Eastin Grand Hotel Phrom Phong, Thailand	Veerachai Tanpipat (D.Eng.)	The reception and transmission of audio and visual content are of good quality.

	Training Workshop for APAN57 Open Data Cube for Satellite Image Analysis and Applications Topic: Introduction to Open Data Cube (ODC) and Its Applications Topic: Hand on Practice in ODC and Related Applications			
2.	Workshop - Participants Need to Install QGIS in their Laptops Training Workshop for APAN57 Open Data Cube for Satellite Image Analysis and Applications Topic: Introduction to Open Data Cube (ODC) and Its Applications Topic: Hand on Practice in ODC and Related Applications	Eastin Grand Hotel Phrom Phong, Thailand	Veerachai Tanpipat (D.Eng.)	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

PHLOEN CHIT

The Team consists of:

| Phaisan Pumduang | Walailak University |
| Thotsapon Soiprasert | Ratchaburi Hospital |

29th January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	**9:00am •** APAN Introduction & Fellowship Meeting	Eastin Grand Hotel Phayathai, Thailand	liana@apan.net (Online)	The reception and transmission of audio and visual content are of good quality.
2.	**1:30pm •** Training ON BGPWATCH: BGP EVENTS MONITORING AND DIAGNOSING PLATFORM (Tsinghua)	Eastin Grand Hotel Phayathai, Thailand	Changqing An Associate Professor, Tsinghua University (Online)	The reception and transmission of audio and visual content are of good quality.
3.	**3:30pm •** Training ON BGPWATCH: BGP EVENTS MONITORING AND DIAGNOSING PLATFORM (Tsinghua)	Eastin Grand Hotel Phayathai, Thailand	Changqing An Associate Professor, Tsinghua University (Online)	Network outage lasting 3 minutes.

Issue: Network outage lasting 3 minutes.

Resolution: The network team promptly addressed and resolved the issue, restoring normal functionality.

30th January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	**9:00am •** IOT WG	Eastin Grand Hotel Phayathai, Thailand	**Session Chair** Yasunori Owada Senior Researcher, NICT (Online) 9:05-9:25 (20 minutes) **Mr. Nur Ridho Rizki** Organization: Interactive Intelligent System Group,	The reception and transmission of audio and visual content are of good quality.

			Universitas Syiah Kuala Title: **Design of a LoRaWAN infrastructure for a medium-sized smart city's public transportation system**	
2.	**9:00am** • IOT WG	Eastin Grand Hotel Phayathai, Thailand	9:25-9:45 (20 minutes) **Mr. Teuku Muhammad Shalahuddin** Organization: Interactive Intelligent System Group, Universitas Syiah Kuala Title: **Design of a LoRaWAN infrastructure for an energy-harvesting Internet of Things water meter system appropriate for medium-sized smart cities**	The reception and transmission of audio and visual content are of good quality.
3.	**9:00am** • IOT WG	Eastin Grand Hotel Phayathai, Thailand	10:05-10:25 (20 minutes) **Mr. Faraz Ahmad, Ph.D. Scolar** Organization: Air University Title: **Hybrid Edge Computing for secure IoT Network**	The reception and transmission of audio and visual content are of good quality.
4.	**9:00am** • IOT WG	Eastin Grand Hotel Phayathai, Thailand	9:45-10:05 (20 minutes) **Mr. Nurulfaizal M Shukeri** Organization: Universiti Sains Malaysia Title: **Blockchain-Enabled Digital Evolution: Transitioning Physical Scrolls to eScrolls**	The reception and transmission of audio and visual content are of good quality.
5.	**9:00am** • IOT WG	Eastin Grand Hotel Phayathai, Thailand	**Session Chair** Hiroki Kashiwazaki Associate Professor, National Institute of Informatics (Online) **WG Member Talks #2 (Chair: Prof. JongWon Kim / GIST, South Korea)**	The reception and transmission of audio and visual content are of good quality.

			(20min) "GPU Playground: A Practical Guide to Kubernetes Cluster Implementation for Portable Shared Workloads" Mr. Kittipat Saengkaenpetch (Electricity Generating Authority of Thailand (EGAT) & Chulalongkorn University, Thailand) and Mr. Natt Visavarungroj (Chulalongkorn University, Thailand)	
6.	9:00am • IOT WG	Eastin Grand Hotel Phayathai, Thailand	(20min) "On the Study of Network Architecture Virtualization and Soft-warized BGP Testbed: An Update" Mr. Hsiang-Ming Hung (National Central University, Taiwan)	The reception and transmission of audio and visual content are of good quality.
7.	3:30pm - 5:00pm Cloud Working Group	Eastin Grand Hotel Phayathai, Thailand	(50min) Member Discussion (ALL) Hiroki Kashiwazaki Associate Professor, National Institute of Informatics JongWon Kim Cloud WG Co-Chair, GIST Eric Yen Research Scientist, Academia Sinica Kittipat Saengkaenpetch Hsiang-Ming Hung	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

31st January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	9:00am - 10:30am 9:00am - 10:30am AI driven Networks WG	Eastin Grand Hotel Phayathai, Thailand	Yunlong Lu (Beijing Jiaotong University) yllu@bjtu.edu.cn **Title:** AI-driven Traffic Engineering: Updates on Hecate and its Evolution (Online)	The reception and transmission of audio and visual content are of good quality.
2.	11:00am - 12:30pm Training: Segment Routing (APNIC)	Eastin Grand Hotel Phayathai, Thailand	Syed Muhammad Ammar Hassan Bukhari (Jeju National University), Wang-Cheol Song (Jeju National University) mrammarbukhari@gmail.com **Title:** Empirical Dynamic Modeling in Cybersecurity Inspired by Brain Neural Network Analysis Evolution (Online)	The reception and transmission of audio and visual content are of good quality.
3.	9:00am - 10:30am 9:00am - 10:30am AI driven Networks WG	Eastin Grand Hotel Phayathai, Thailand	Tingting Yuan (University of Göttingen) tingting.yuan@cs.uni-goettingen.de **Title:** When Artificial Intelligence Meets Networking (Online)	The reception and transmission of audio and visual content are of good quality.
4.	11:00am - 12:30pm AI driven Networks WG	Eastin Grand Hotel Phayathai, Thailand	Ei Ei Mon (Chulalongkorn University), Chaodit Aswakul (Chulalongkorn University) eieimonimceits@gmail.com, chaodit.a@chula.ac.th **Title:** Reinforcement Learning Based Traffic Signal Control in Urban Network of Bangkok City (Online)	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

1ˢᵗ January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	9:00am - 10:30am Training: Segment Routing (APNIC)	Eastin Grand Hotel Phayathai, Thailand	<u>Makito Lay</u> Network Analyst / Technical Trainer, APNIC (Online)	The reception and transmission of audio and visual content are of good quality.
2.	11:00am - 12:30pm Training: Segment Routing (APNIC)	Eastin Grand Hotel Phayathai, Thailand	<u>Makito Lay</u> Network Analyst / Technical Trainer, APNIC (Online)	The reception and transmission of audio and visual content are of good quality.
3.	**1:30pm** • Training : Segment Routing (APNIC)	Eastin Grand Hotel Phayathai, Thailand	<u>Makito Lay</u> Network Analyst / Technical Trainer, APNIC (Online)	The reception and transmission of audio and visual content are of good quality.
4.	**3:30pm** • Training : Segment Routing (APNIC)	Eastin Grand Hotel Phayathai, Thailand	<u>Makito Lay</u> Network Analyst / Technical Trainer, APNIC (Online)	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

THONG LO

The team consists of:

Dr. Wiraphon Manatarinat

Thanachai Numprom

Rattanaphong Saikaew

Chakraphan Sukcharoen

29th January 2024

Contents		Connecting Institutions (main)	Moderator	Comment
1.	Technology	Eastin Grand Hotel Phayathai, Thailand	Tunggul Laksono, Muhamad Hanafi Bin Abu Bakar (Online)	The reception and transmission of audio and visual content are of good quality.
2.	Medical Education	Eastin Grand Hotel Phayathai, Thailand	Arunima Chaudhuri (Burdwan, India), Aarti Rohilla (Rohtak, India), (Online)	The reception and transmission of audio and visual content are of good quality.
3.	Natural Products	Eastin Grand Hotel Phayathai, Thailand	Suresh Kumar Thakkar (Patiala, India), (Online)	The reception and transmission of audio and visual content are of good quality.
4.	Rural Health Care	Eastin Grand Hotel Phayathai, Thailand	Udaya Koirala (Patiala, IN), Nirajan ParajuliL (Lalitpur, Nepal) (Online)	Network outage lasting 3 minutes.
5.	Endoscopy / Russia 1	Eastin Grand Hotel Phayathai, Thailand	Sergey Kashin (Yaroslavl, RU), (Online) Tomohiko Moriyama (Fukuoka, Japan), (On-site at main venue)	The reception and transmission of audio and visual content are of good quality.

Issue: Network outage lasting 3 minutes.

Resolution: The network team promptly addressed and resolved the issue, restoring normal functionality.

30th January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	Minimally Invasive Surgery	Eastin Grand Hotel Phayathai, Thailand	Thawatchai Akaraviputh (Bangkok, Thailand), Vitoon Chinswangwattanakul (Bangkok, Thailand), (On-site at main venue) Asada Methasate (Bangkok, Thailand), Hathaiwan Moungthard (Bangkok, Thailand) (Online)	The reception and transmission of audio and visual content are of good quality.
2.	JIPMER (Jawaharlal Institute of Post Graduate Medical Education and Research)	Eastin Grand Hotel Phayathai, Thailand	Kalayarasan R (Gorimedu, India), Chandramaliteeswaran C (Tirupati, India), (Online)	The reception and transmission of audio and visual content are of good quality.
3.	Natural Products	Eastin Grand Hotel Phayathai, Thailand	Suresh Kumar Thakkar (Patiala, India), (Online)	The reception and transmission of audio and visual content are of good quality.
4.	Rural Health Care	Eastin Grand Hotel Phayathai, Thailand	Udaya Koirala (Patiala, IN), Nirajan ParajuliL (Lalitpur, Nepal) (Online)	The reception and transmission of audio and visual content are of good quality.
5.	Endoscopy / Russia 1	Eastin Grand Hotel Phayathai, Thailand	Sergey Kashin (Yaroslavl, RU), (Online) Tomohiko Moriyama (Fukuoka, Japan), (On-site at main venue)	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

31ˢᵗ January 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	Public Health	Eastin Grand Hotel Phayathai, Thailand	Mohammad Kamruzzaman Khan (Mymensingh, Bangladesh) (Online)	The reception and transmission of audio and visual content are of good quality.
2.	General Medicine / Ophthalmology	Eastin Grand Hotel Phayathai, Thailand	Sheila John (Chennai, IN), S. Natarajan (Mumbai, India), (Online)	The reception and transmission of audio and visual content are of good quality.
3.	Endoscopy (The 31st Endoscopy Club E-conference)	Eastin Grand Hotel Phayathai, Thailand	Parit Mekaroonkamol (Bangkok, TH), Shannon Chan (Hong Kong, Hong Kong) (Online)	The reception and transmission of audio and visual content are of good quality.
4.	Medical Care	Eastin Grand Hotel Phayathai, Thailand	Tomohiko Moriyama (Fukuoka, Japan), (On-site at main venue) Rainbow Children's Hospital, Banjara Hills (Hyderabad, India) (Online)	The reception and transmission of audio and visual content are of good quality.
5.	Endoscopy / Russia 2	Eastin Grand Hotel Phayathai, Thailand	Roman Kuvaev (Yaroslavl, Russia), (Online) Tomohiko Moriyama (Fukuoka, Japan), (On-site at main venue)	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

1st February 2024

	Contents	Connecting Institutions (main)	Moderator	Comment
1.	HPB session	Eastin Grand Hotel Phayathai, Thailand	Sudip Shakya (Kathmandu, Nepal) (Online) Tomohiko Moriyama (Fukuoka, Japan), (On-site at main venue)	The reception and transmission of audio and visual content are of good quality.
2.	Ophthalmology 【AI】	Eastin Grand Hotel Phayathai, Thailand	Sheila John (Chennai, India), Singapore. Natarajan (Mumbai, India), (Online)	The reception and transmission of audio and visual content are of good quality.
3.	Telehealth	Eastin Grand Hotel Phayathai, Thailand	Tanawan Samleerat Carraway (Pathum Thani, Thailand), Kyushu University Hospital (Fukuoka, Japan) (Online)	The reception and transmission of audio and visual content are of good quality.

Issue: None

Resolution: None

Activities and Operations

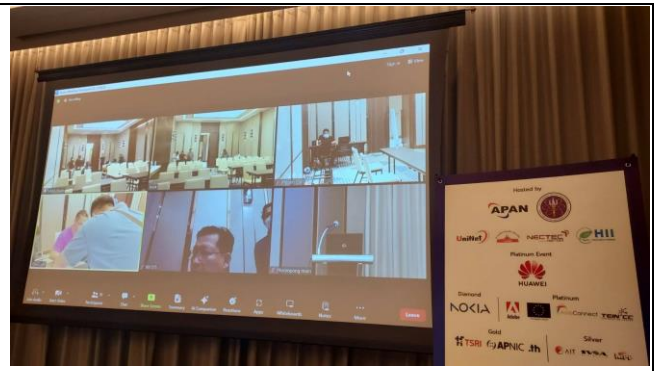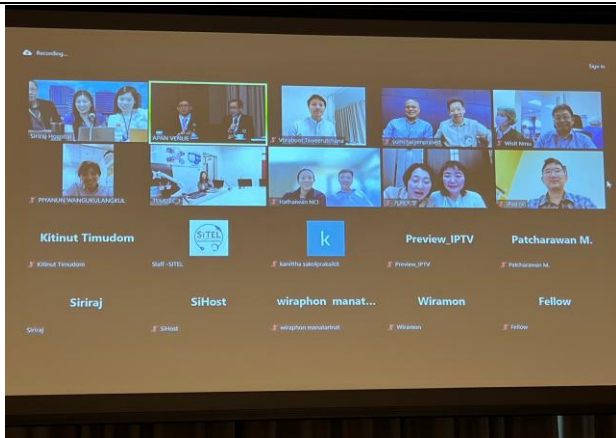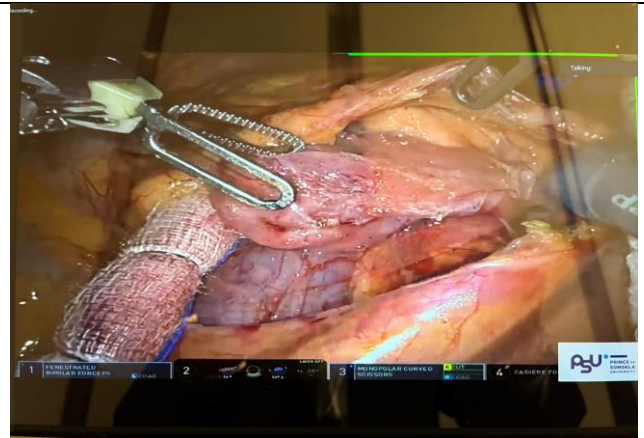|	
The team set up the system at Chid Lom.	The team set up the system at Thong Lo.
Our teamwork	Starting session at Chid Lom.
Thong Lo started the MIS session	Thong Lo Room started the MIS session

Phrom Phong also started the session

Every rooms ready

Hybrid join conference

Our telemedicine work

Thank you for your support.