

Cybersecurity and MSMEs in Asia and the Pacific

The Asia and the Pacific Regional Dialogue
on Digital Transformation

Virtual Policy Convening

*Cybersecurity and MSMEs:
Policy Implications in Asia
and the Pacific*

8 December 2021,
13:00– 15:00 (BKK Time/ +7GMT)

Join us online!
<http://itu.int/go/DG9H>
#ASPRDDT2021

Corien Vermaak
Security Architect
APJC Center of Excellence



Partners



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In 2019 out of a thousand SMBs surveyed, 99% say they use at least one digital tool in their day-to-day operations.

Deloitte.



In 2021 out of a thousand SMBs surveyed, 99% say they use at least **Three** digital tool in their day-to-day operations.

Deloitte.



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Profit and Loss

NET PROFIT FOR MARCH

₹23,876

₹112,344	INCOME
₹88,468	EXPENSES

Expenses

LAST MONTH

₹88,468

₹58,126	Meals & entertain...
₹8,235	Rent & mortgage
₹5,239	Utilities
₹1,238	Travel expenses

Bank accounts

In Account

Bank balance ₹6,685.15
In QuickBooks ₹7,253.84

Updated 1 day ago

Visa - 8888

Bank balance ₹110,253.12
In QuickBooks ₹110,253.12

Updated 1 day ago

Connect accounts Go to registers

Sales

LAST MONTH

₹112,344

Invoices

₹2,000 OVERDUE

₹124,065 NOT DUE YET

₹2,000 NOT DEPOSITED

₹110,344 DEPOSITED

GST COMPLIANT



A 3D rendering of the number 6000 followed by a percentage sign, representing 6000%. The numbers are white with a red outline and a red shadow, set against a white background.

Since most ransomware attacks ask for under \$1,000, many companies would rather pay the extortion rather than deal with reporting it to the police.

According to the **FBI**, only **15 % of online crime** is reported at all.

Digital transformation benefits for MSME in a nutshell



MSME Digital Transformation roadmap



Digital need and strategy.



Building up our engagement with technology and customers



Identity and brand development.



Data ownership and analytics.





There is work to be done

How can governments institute digital government policies that facilitate MSME cybersecurity?

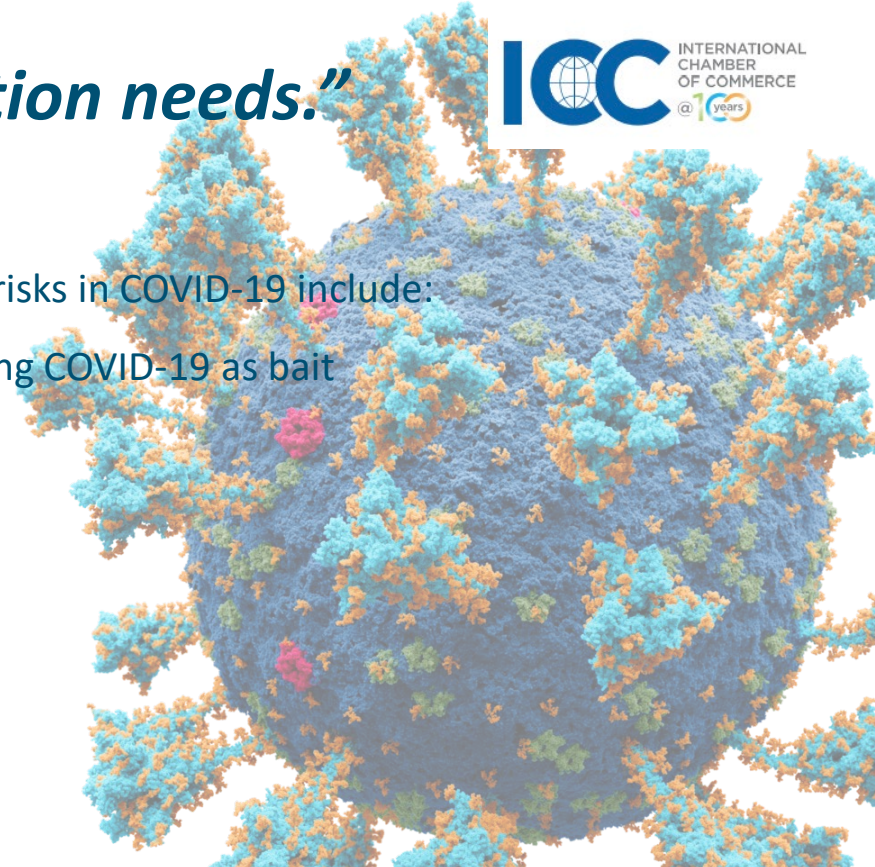
Why are we here?

“The Pandemic of information needs.”



COVID-19 has pushed digitization of MSMEs. Key Cyber risks in COVID-19 include:

- Phishing and Business Email Compromise attacks using COVID-19 as bait
- Malware distribution using COVID-19 as bait
- Remote working and supply chain threats
- Heightened vulnerability due to lack of awareness



State of Cybersecurity Commitments in Asia and the Pacific

Country Name	Overall Score	Regional Rank	Country Name	Overall Score	Regional Rank
Korea (Rep. of)	98.52	1	Samoa	29.33	19
Singapore	98.52	1	Fiji	29.08	20
Malaysia	98.06	2	Papua New Guinea**	26.33	21
Japan	97.82	3	Mongolia	26.2	22
India	97.49	4	Nauru**	21.42	23
Australia	97.47	5	Tonga**	20.95	24
Indonesia	94.88	6	Lao P.D.R.	20.34	25
Viet Nam	94.55	7	Cambodia**	19.12	26
China	92.53	8	Bhutan	18.34	27
Thailand	86.5	9	Kiribati	13.84	28
New Zealand**	84.04	10	Vanuatu	12.88	29
Bangladesh	81.27	11	Solomon Islands	7.08	30
Iran (Islamic Republic of)	81.06	12	Tuvalu**	5.78	31
Philippines	77	13	Afghanistan	5.2	32
Pakistan	64.88	14	Marshall Islands**	4.9	33
Sri Lanka	58.65	15	Timor-Leste**	4.26	34
Brunei Darussalam	56.07	16	Maldives**	2.95	35
Nepal (Republic of)	44.99	17	Dem. People's Rep. of Korea**	1.35	36
Myanmar	36.41	18	Micronesia*	0	37

* no data

** no response to the questionnaire/data collected by GCI Team



While regional rank is high, of note is that Asia-Pacific countries range from 4th – 182nd (tied for last) globally

	Legal	Measuring the laws and regulations on cyber-crime and cybersecurity	167	Countries with some form of cybersecurity legislation
			133	Data Protection Regulations
			97	Critical Infrastructure regulations
	Technical	Measuring the implementation of technical capabilities through national and sector-specific agencies	131	Active CIRTs
			104	Engaged in a regional CIRT
			101	Child Online Protection Reporting mechanisms
	Organizational	Measuring the national strategies and organizations implementing cybersecurity	127	National Cybersecurity Strategies
			136	Cybersecurity Agencies
			86	Child Online Protection strategies and initiatives reported
	Capacity development	Measuring awareness campaigns, training, education, and incentives for cybersecurity capacity development	142	Countries conduct cyber-awareness initiatives
			94	Countries with cybersecurity R&D programs
			98	Countries reported having national cybersecurity industries
	Cooperation	Measuring partnerships between agencies, firms, and countries	166	Countries engaged in cybersecurity Public-Private Partnerships
			90	Countries with cybersecurity bilateral agreements
			112	Countries with cybersecurity multilateral agreements

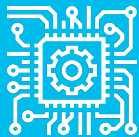
Policy

Sector
Strategy



Proactive and
innovative

Forum



Establish support
structure

Adoption



Engaged and assist
adoption with MSME

Guidelines



Transform guidelines to
assist sector

Our Panellists

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Atsuko Okuda
Regional Director
ITU Asia and the Pacific



Dr. Steven G. Olive
Mission Director, USAID
Regional Development
Mission for Asia

Welcome Remarks



Corien Vermaak
Moderator, Cybersecurity
Specialist - Cisco



Dr. Kanpassorn Suriyasangpetch
Panelist, CEO/Founder
Ooca - Telemedica Co., Ltd



Dr. Edit Prima
Panellist,
Director - Cybersecurity and
Finance, Trading and Tourism
National Cyber and Crypto
Agency (BSSN), Indonesia



Dr. Mamello Thinyane
Panellist
Principal Research Fellow -
United Nations University

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In Summary

LEGAL

- Cybercriminal Legislation
- Substantive law
- Procedural cybercriminal law
- Cybersecurity Regulation



TECHNICAL

- National CIRT
- Government CIRT
- Sectoral CIRT
- Standards for organisations
- Standardisation body



ORGANIZATIONAL

- Strategy
- Responsible agency
- Cybersecurity metrics



CAPACITY BUILDING

- Public awareness
- Professional training
- National education programmes
- R&D programmes
- Incentive mechanisms
- Home-grown industry



COOPERATION

- Intra-state cooperation
- Multilateral agreements
- International fora
- Public-Private partnerships
- Inter-agency partnerships

