

Chapter 11: Globalisation — Security challenges

(11.1)

cyber

transnational terrorism. ii

◦ Cybersecurity:

- Individuals: vulnerability arises from
 - pervasiveness of use of tech in our lives
 - lack of vigilance.

Eg. Scams: can talk about use of AI to mimic voice.

Eg. Hacking.

∴ leading to loss of personal information, identity theft and loss of \$

◦ Organisations:

Eg. Malware or phishing ⇒ personal data of staff gone.

Eg. Data breach: of Weibo

- In March 2020, it was reported that personal data of 538 million users were available on Dark Web for only \$250 → users lose their trust

◦ Countries

Eg. Data Breach: of SingHealth in Singapore. !

- Confidential records belonging to 1.5 million patients including their name, NRIC, and addresses were illegally accessed and copied
↳ ≈ 160 000 had their dispensed medicines' records stolen too.

Eg. Whistleblowing on gov.

- affects the defense and security of the country in a long run while wavering the trust of people in their government.

← Edward Snowden example:

∴ Affects politically + economically + socially

◦ Transnational terrorism: when operation + impacts of terrorism affects many countries. ii

↳ mostly due to tech advancements of globalisation.

— improved speed of comm, travel and trade.

— easier for terrorists to coordinate their operations across countries - online / in person

— allowed terrorists to spread their violent beliefs to a global audience.

◦ Self-radicalisation:

→ not members of any organised terrorist grp, inspired + radicalised by extremist propaganda

→ develops (usually) from what they read on social media and the internet

Chapter 11.2 : managing security threats. (solutions)

• Cybersecurity

(a) Individuals

→ Staying vigilant :

↳ setting up additional measures such as 2-Factor Authentication and have strong passwords
= prevent data breaches and hacking of account.

(b) organisations.

→ MINDEF: organisations like MINDEF can invite white hats to hack their systems
⇒ to identify any security loopholes in their systems.

More examples !

1) Singapore's Safer Cyberspace Masterplan 2020.

→ digital infrastructure of the country ⇒ have protective measures to monitor cyber activities
and education to raise awareness of the people.

2) Regional Collaboration : Asia-Pacific Computer Emergency Response Team (CERT)

- SG hosts the ASEAN CERT Incident Drill

↳ tests incident response procedures and strengthens cybersecurity preparedness

⇒ investigates, analyse, and recommend remediation and mitigation measures to a series
of scenarios with varying levels of complexity.

• Transnational Terrorism.

1) Prevention : ↓ vulnerability, deter terrorists, ↓ loss of lives / destruction of properties / disruption to economy

Eg. securing borders :

- No fly list of the US government Terrorist Screening Database.

contains identity information of known or suspected terrorists

⇒ individuals on the list are prevented from boarding an aircraft when
flying within, to, from and over the U.S.

2) Protection: works with preventive measures to enhance security of country and reduce vulnerability to IT $\Rightarrow$ ensure safety of citizens.

$\rightarrow$ Enhanced surveillance for key infrastructures like power stations

Eg. More SAF soldiers to patrol public areas

Eg. Border patrols by Police Coast Guard } border security again.

Eg. Full-body scanners at airports

$\rightarrow$ Detention of suspects.

Eg. Singapore detains suspected terrorists indefinitely without trial under Singapore's Internal Security Act.

3) Responding: to deal with damages or harm brought about by such acts if they occur

Eg. Counter Terrorism Exercises in Singapore.

Eg. China-Singapore Joint Military Anti-Terrorism Exercise.

Eg. ADMM Maritime Security and Counter-Terrorism Exercise 2016.

Eg. All schools in Singapore have lock-down drills in which students and staff are trained and educated about what to do if there's an intruder

} Ensures both the military and our people are prepared in times of crisis.

PS: cybersecurity and transnational terrorism was tested

in the 2024 O's so idt this would come out for 2025. (but still gotta study yknow)