



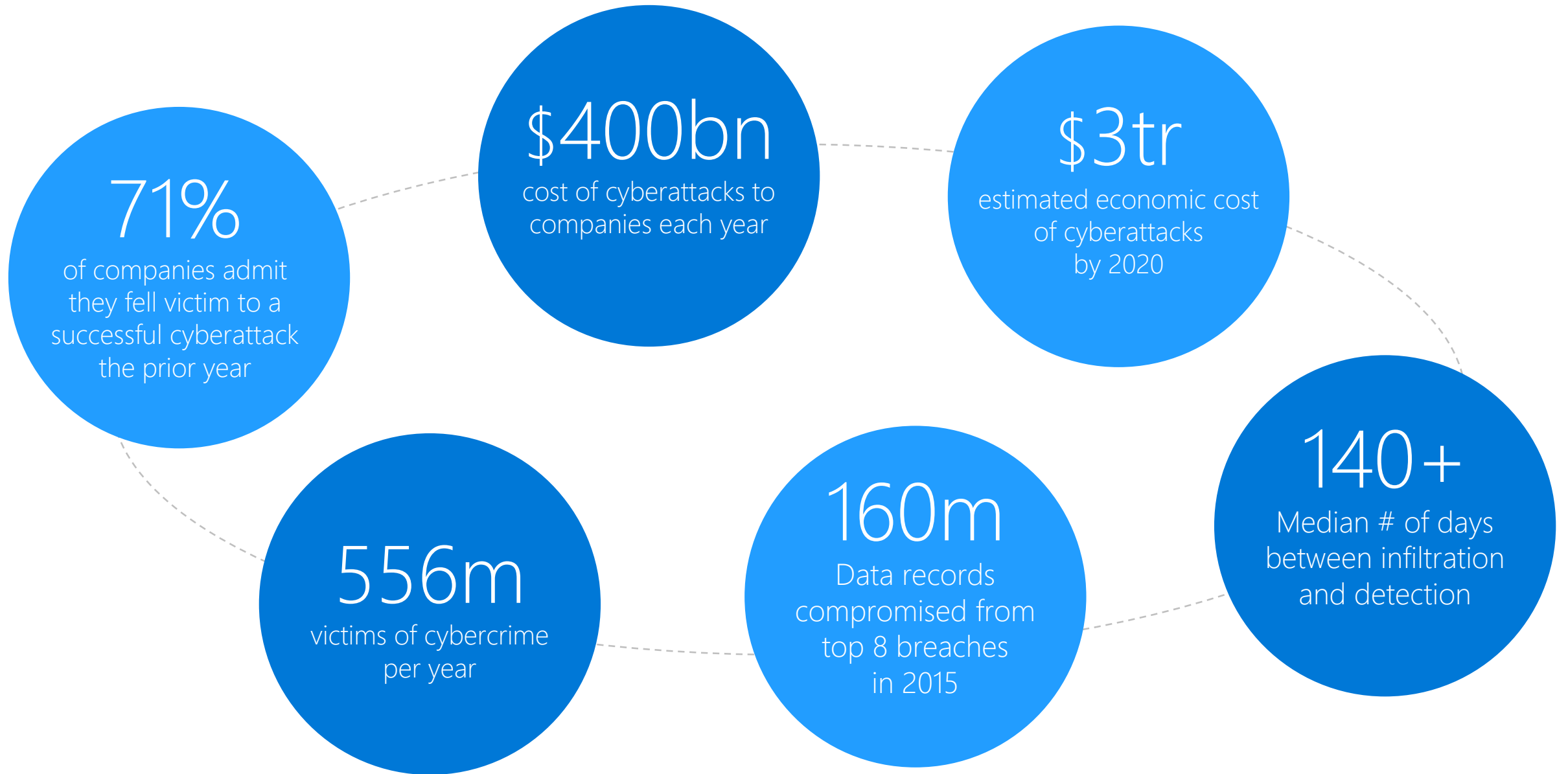
CYBER INSECURITY AND THE NEED FOR A DIGITAL GENEVA CONVENTION

January 29, 2018


Nemanja Malisevic
Senior Security Strategist
Digital Trust / GSSD
Microsoft

Cyberspace is becoming the battlefield
of 21st century conflicts

Economic Impact from Cyberattacks



Governments heavily involved in cyberspace



USER



PROTECTOR



EXPLOITER



LEGISLATOR

- 50+ Countries with Defensive Capabilities
- 38+ Countries with Offensive Capabilities
- 100+ Countries Developing Legislative Initiatives
- 70+ Countries with Cybersecurity Strategies

ESTIMATED SPENDING ON CYBER OPERATIONS



USA
<\$6.7bn

China
~\$1.5bn

Germany
~\$1.1bn

Russia
<\$300m

UK
~\$2bn

N. Korea
~\$200m

Iran
~\$1bn

A “Digital Geneva Convention”

Peacetime rules & mechanisms to help protect civilians in cyberspace

Three essential components:

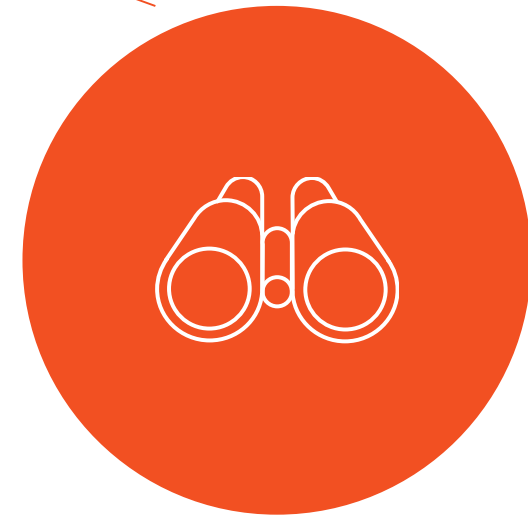
DIGITAL GENEVA CONVENTION



BINDING GOVERNMENT
AGREEMENTS

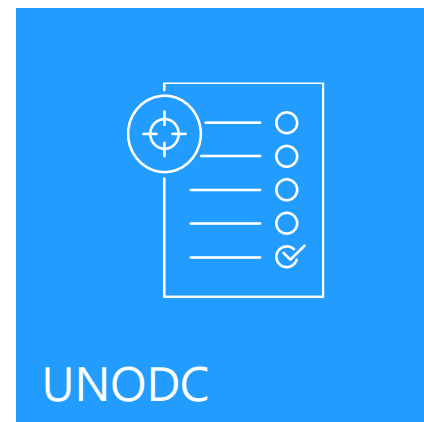


TECH SECTOR
ACCORDS



ATTRIBUTION
ORGANIZATION

Existing intergovernmental discussions ongoing but limited



Risk to civilians from cyber-conflict needs a response

Existing Legal Frameworks

(Law of Armed Conflict, Law of Countermeasures, and other treaties and conventions)

Digital Geneva Convention is needed to address short-of-conflict scenarios

Cybersecurity events

Disruptions

Conflict

Cyberwar

High

CONSEQUENCE

Low

High

FREQUENCY

Low



What next?

Our call to action



Undertake to create politically binding then legally binding agreements committing governments to certain, acceptable behaviors in cyberspace.



Drive forward a tech sector accord that commits the ICT industry to objectives and actions that will protect users and the wider internet, and will ensure the sector's neutral status in any cyber-conflict.



Support the establishment and operation of politically-neutral, independent, transparent and peer-reviewed attribution organization.



Identify and provide avenues for multi-stakeholder input and involvement in the development of cyberspace policies and agreements.

