



New rules for economy ...and Cybersecurity

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Cyber security and economic impact:

Cybersecurity's economic impact can be measured many ways. Usually it is calculated by lost of brand image, theft, fines, sanctions or length of the sentence.

But it do not have to be this way



CYBERCRIME MAGAZINE

Cybercrime Costs. PHOTO: Cybercrime Magazine.

Cybercrime To Cost The World \$10.5 Trillion Annually By 2025

Tweets by @INTRUSIONShield

INTRUSION Retweeted

Worldwide Business @PWWB

“Way of selling cybersecurity.”

Selling fear instead of building trust

Help Net Security September 14, 2020

Cyber losses are increasing in frequency and severity

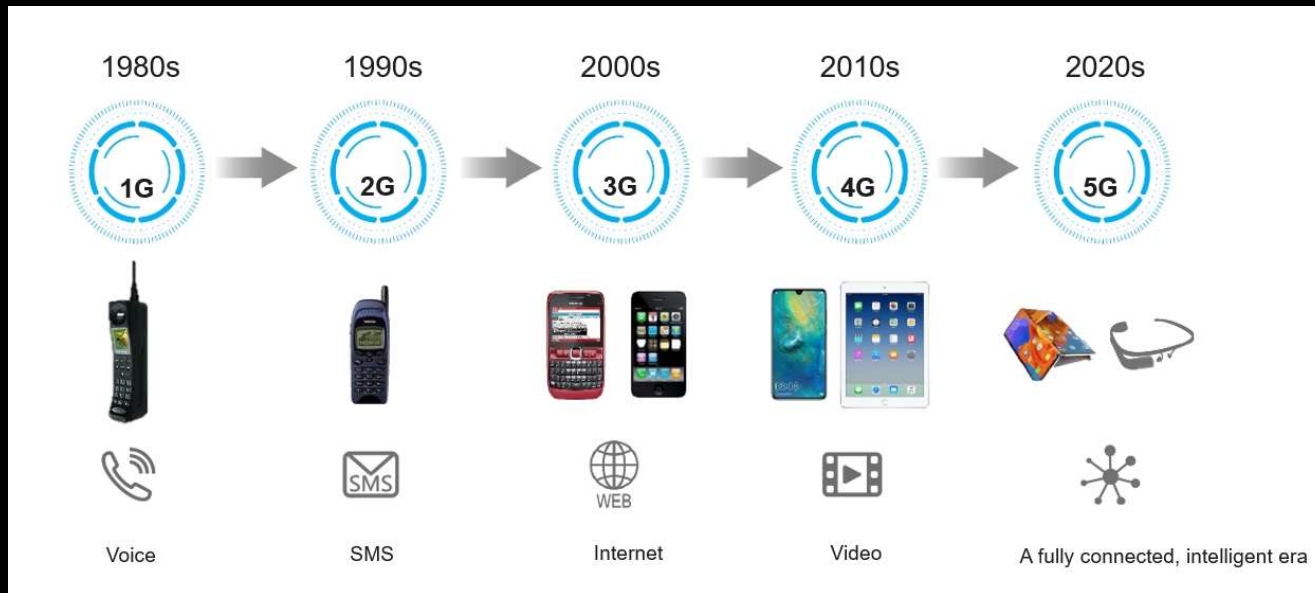
Cyber attacks have increased in number and severity since the onset of the pandemic. The changes organizations implemented to facilitate remote work have given cybercriminals new opportunities to launch campaigns exploiting mass uncertainty and fear.

Percentage of claims by attack technique

Attack Technique	Percentage
Email/phishing	54%
Remote access	29%
Other social engineering	6%
3rd Party compromise	3%
Brute force (authentication)	3%
Other	3%

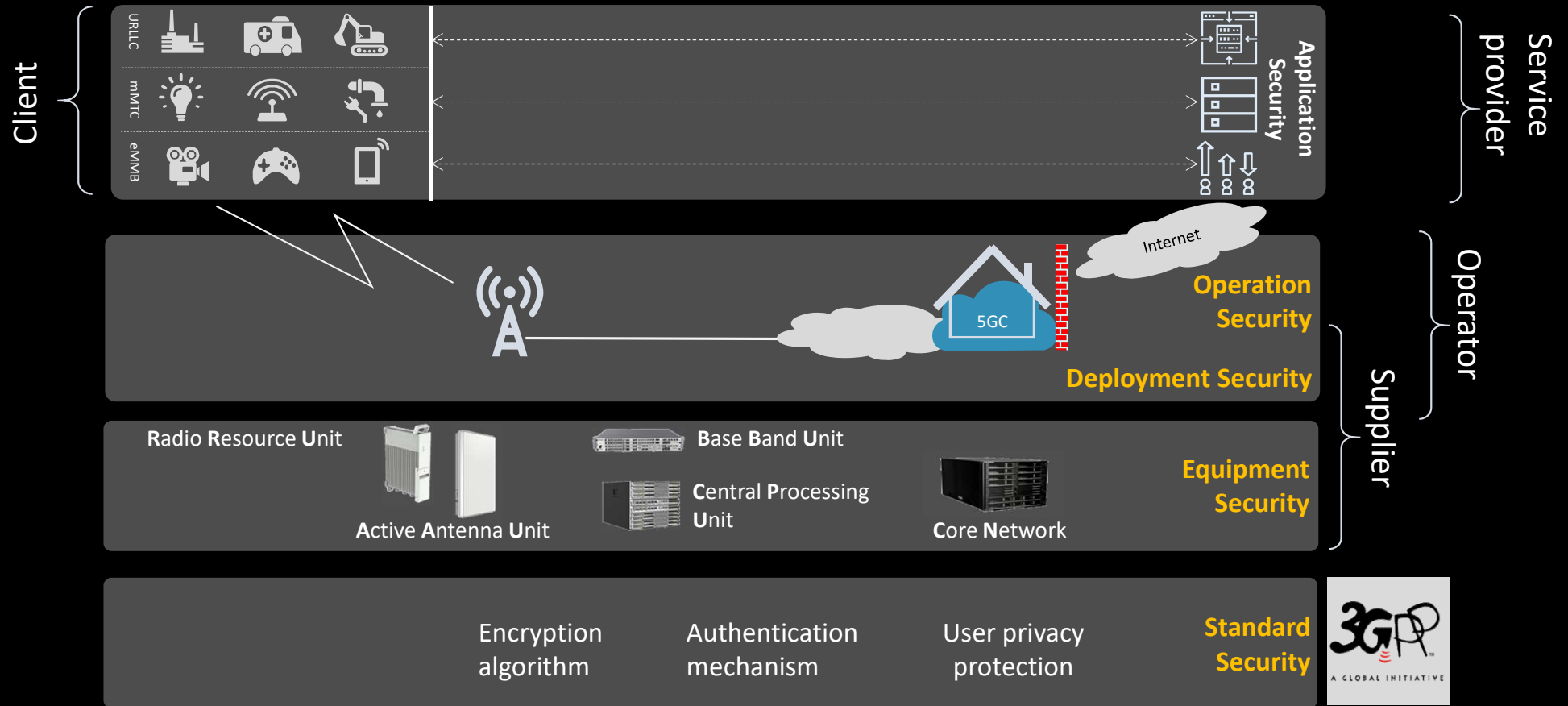


A generation every decade, with new business scenarios with new cyber challenges with new Cybersecurity solutions






Why standard-wise 5G is **the most secure** mobile network





EU Council documentation

6th November 2020

 Council of the European Union

Brussels, 6 November 2020
(OR. en)

12143/1/20
REV 1
LIMITE

JAI 851
COSI 156
CATS 73
ENFOPOL 256
COPEX 287
DATAPROTECT 106
CYBER 198
IXIM 107

NOTE

From: Presidency
To: Delegations
Subject: Draft Council Resolution on Encryption
- Security through encryption and security despite encryption

Delegations will find in attachment the revised version¹ of the Draft Council Resolution on Encryption. It reflects the comments received from the Member States before and during the informal VTC meeting of JHA Counsellors (Encryption) on 3 November 2020.

Unless delegations send in further substantive comments, accompanied by concrete wording suggestions, by 12 November 2020 noon, to paul.gaitzsch@diplo.de, COSI.DE2020@bmi.bund.de and cosi@consilium.europa.eu, the Presidency intends to present this revised text for endorsement to COSI (VTC) on 19 November 2020, in view of further submission to COREPER (I-item) on 25 November 2020, followed by adoption by the Council via written procedure.

Please be advised that the form of the document has been adjusted to a "Council resolution", so that the text could be processed for adoption via a written procedure by the Council in case it takes place in a VTC format.

¹ Changes compared to the previous version are marked in **bold underlined** and ~~strikethrough~~

12143/1/20 REV 1 MP:dk 1
JAL1 LIMITE EN

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Australian security and counter-terrorism This article is more than 4 months old

Australia's world-first anti-encryption law should be overhauled, independent monitor says

Attorney general should be stripped of the power to force tech companies to help security agencies potentially spy on the public

 CENTER FOR DEMOCRACY & TECHNOLOGY

Who We Are Insights Areas of Focus Collections

Cybersecurity & Standards, Free Expression, Government Surveillance

The New EARN IT Act Still Threatens Encryption and Child Exploitation Prosecutions

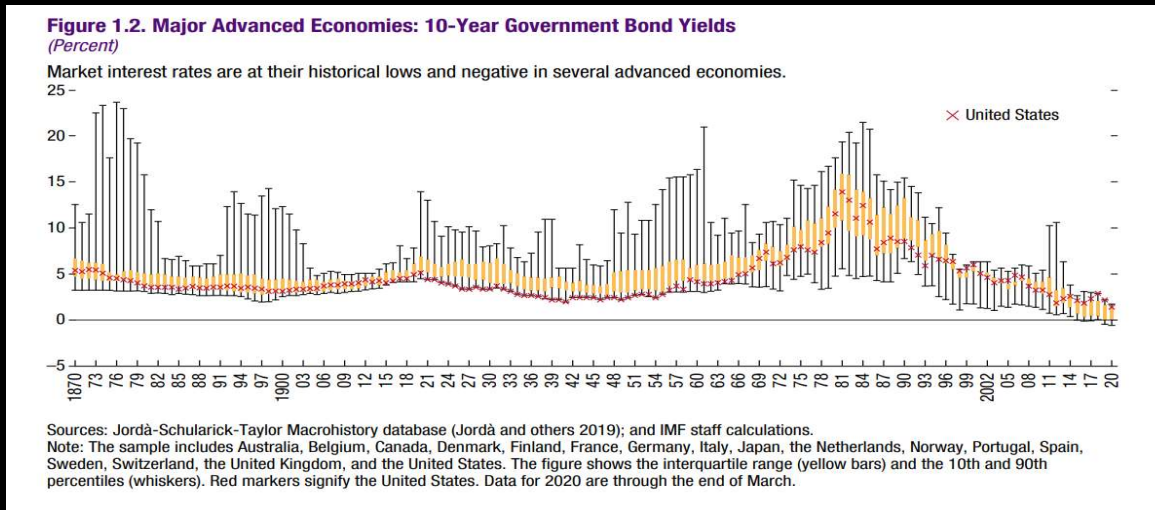
August 25, 2020 / Hannah Quay-de la Vallee, Mana Azarmi



In crisis see opportunity – borrowing costs have never been lower

If many economies in the world experience a prolonged U, W or worse, L-shaped recovery, it will be up to the government to act as the consumer of last resort and stimulate the aggregate economic demand missing from the private sector in order for the economy to fully recover.

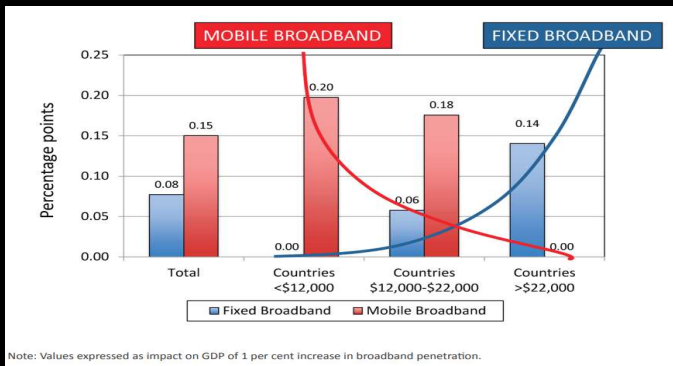
Although governments will need to be mindful of current and future debt loads, long-term borrowing costs for most are at their lowest ever rates since 1870.





Investment in ICT infrastructure would be best for future prosperity

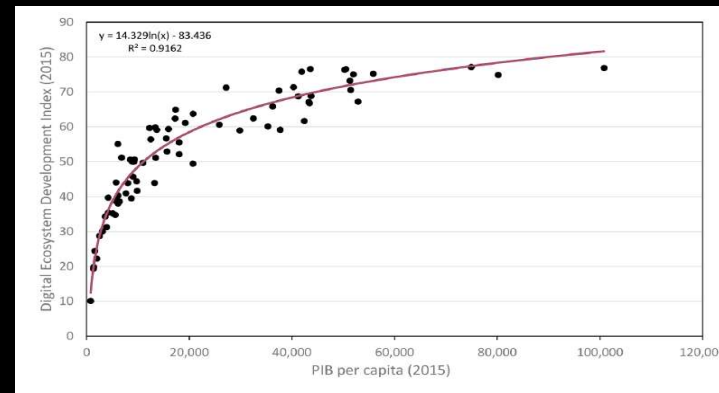
Digital dividends: Fixed and mobile broadband



The causal link between increased investment in ICT and GDP growth is now well established. The ITU (2018) prove for the period 2010-2017 that an increase of 1 per cent in fixed broadband subscriber penetration produced an increase of 0.08 per cent in GDP. Over the same period, the impact of mobile broadband was shown to be almost twice as effective. An increase of 1 per cent in mobile broadband subscriber penetration yields an increase in 0.15 per cent in GDP.

Digital dividends: Nurturing your nation's digital infrastructure

Correlation between GDP per capita and digital ecosystem development index.

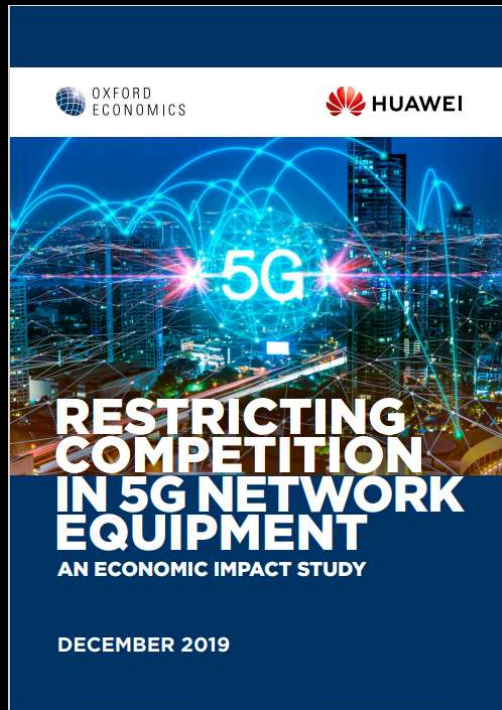


The development of a country's digital ecosystem is also strongly correlated with economic development. Indeed, it has an even more powerful impact than just rolling out infrastructure. According to the ITU, an increase of 1 per cent in their digital ecosystem development index for any country results in 0.13 per cent growth in GDP per capita. This means, for example, that an increase in the digital ecosystem development index from 50 to 51 will yield an increase of per capita GDP of 0.26 per cent (accounting both for direct and indirect effects on output).

Source: ITU Research 2018. *The economic contribution of broadband, digitization and ICT regulation.* https://www.itu.int/ITU-D/Regulatory-Market/Conferences/ITR-18-06-13_Broadband_and_Digital_Transformation-3.pdf



Economic cyber discussion in Europe



Inside and Outside of 5G Cybersecurity....

ANSSI: Head of French Government Cybersecurity authority "No Smoking Gun!"
<https://www.bloomberg.com/news/articles/2020-01-30/no-huawei-smoking-gun-seen-in-europe-french-cyber-chief-says>

BSI: Head of German Government Cybersecurity authority "No evidence of spying"
<https://www.securityweek.com/no-evidence-huawei-spying-says-german-it-watchdog>

NCSC: Head of UK government Cyber center "We can manage Huawei"
<https://www.ft.com/content/4c2b6fa0-350d-11e9-bd3a-8b2a211d90d5>

- **CERTIFICATION, AUDITS and APPROVALS**
- NESAS, Network Equipment Security Assurance Schema
- CC, Common Criteria
- ERNW auditing report



Recovery globally

Asian economies will recover the fastest from the Covid 19-induced crisis

Forecast real GDP growth in 2020, % change on a year earlier

G20 countries



Source: The Economist Intelligence Unit.

*Pre-coronavirus forecast includes the UK.



...and Huawei?

Huawei Gets Support from Austria and EU

Regulatory authority RTB: "no risks have been identified that are related to a particular manufacturer or country of origin of network components." - 20 Sep 2019, Koinex Zeitung

Chancellor Sebastian Kurz: did not Reiterate - 2020, Spanish News

Chancellor Angela Merkel said Interior Minister Hans Spahn: 2020, Spanish News

Minister of Economy and Fin Feb 2020, "outback News President Emmanuel Macry economist" - 10 May 2

Chinese Intelligence Law and Chinese Government (2/3)

- ▶ "The third country's legislation, especially where there are no legislative or democratic checks and balances in place, or in the absence of security or data protection agreements between the EU and the given third country;"
- ▶ "The ability for the third country to exercise any form of pressure, including in relation to the place of manufacturing of the equipment."

Interpretation by Renewed Third Party Law Firm EY

CEO: Will never provide government with customer information

Supply Continuity (3/3)

- ▶ The supplier's ability to assure supply.
- ▶ Huawei has established an end-to-end business continuity management system in the areas of procurement, manufacturing, supply, and global technical services after nearly 10 years of hard work, and has passed the Indonesian, Japanese earthquakes, and Syrian air strikes. Our supply chain has been verified by multiple scenarios including Ebola virus, supplier strike, U.S. sanctions, etc.
- ▶ Huawei has been supporting Magenta for 5G commercial network after 5.16 2019 when Huawei was put under entity list.

1st live 5G demo VR + Drone Feb 2018

1st 5G commercial call Feb 2019

Europe's 1st 5G network by Magenta 25 sites launched Mar 2019

TMA's 5G phone Huawei Mate 20 X Sep 2019

2020 to be continued



Cyber Norms

THANK YOU

