

# **PECB Insights Magazines 2022**

2022 has been a year full of collaborations, insights, and various discussed themes, such as CMMC, Information Security, Business Continuity, Crisis Management and Resilience, Network Security, Ethical Hacking, Cybersecurity, Data Privacy, as well as Digital Transformation.



January - February 2022

**CMMC, IT Security, and Cybersecurity** - In this issue of PECB Insights magazine, experts explained the impacts, changes, and expectations on these matters, such as the direction CMMC is headed in, the benefits of 5G and the potential cybersecurity risks, and much more.



**PECB** Insights

March - April 2022

**Information Security and Business Continuity** - One thing that stays evident for the economy, is for organizations to remain running and unaffected. However, changes and disruptions are continuous so learning how to manage and face these challenges has become a necessity. To continue delivering high-quality products and services as organizations, we need to create systems of prevention and recovery to deal with potential threats.



May - June 2022

**Crisis Management and Resilience** - When the world was faced with the global crisis of a pandemic, organizations faced supply chain disruptions, continuous threats to operations, and new strains of the virus that devastated several industries. What lessons have you learned and how prepared is your organization for the years ahead? For more insights on these matters, read this edition of the magazine.



July - August 2022

**Network Security, Ethical Hacking, and Cybersecurity** - In recent years, organizations and individuals alike, have started realizing the importance of a safe space online, this has led to the need of ensuring safety as one of the main priorities for every organization. However, the increasing magnitude and sophistication of threats have made it very challenging and this realization has also led to fields such as; Cybersecurity, Network Security, and Ethical Hacking being on the rise.



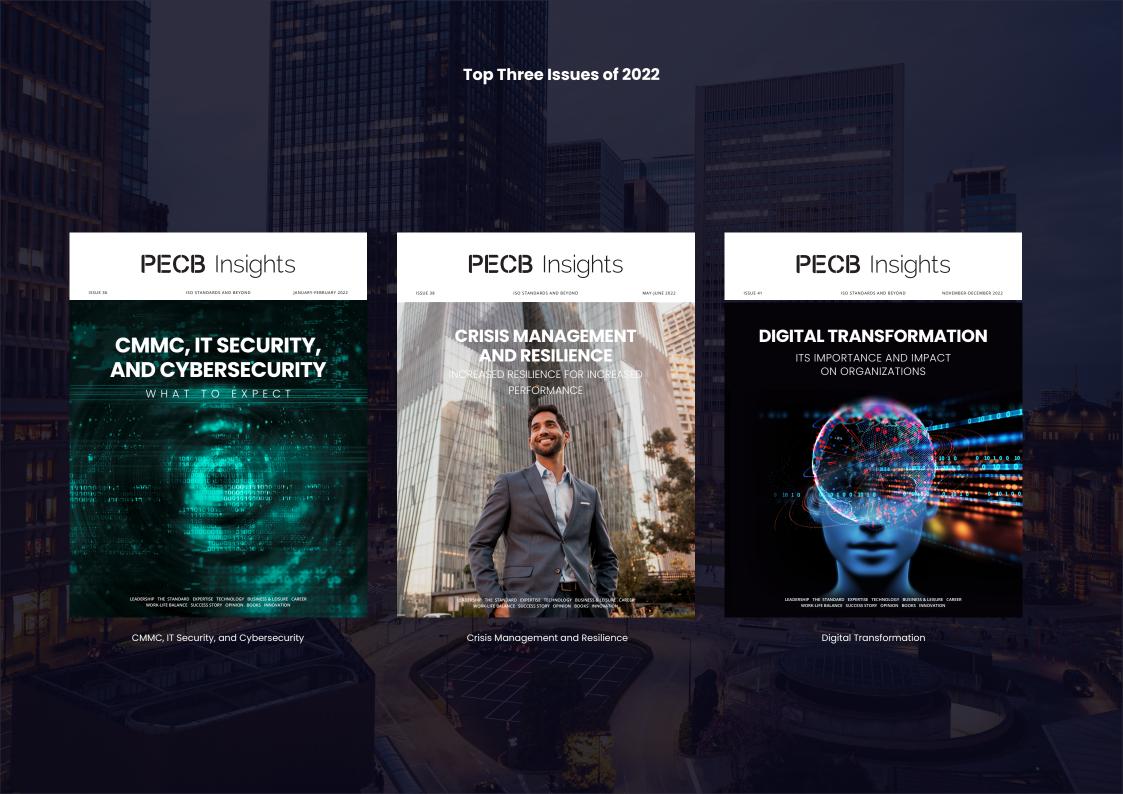
September - October 2022

**Data Privacy Laws, Standards, and Regulations** - The constantly growing use of technological advances has led to a great amount of data circulating online, from daily life to organizational data, presenting a threat to unauthorized access or being targeted by malicious actors. For organizations, this has brought higher expectations from consumers to ensure that the entrusted data is handled responsibly. Learn more in this edition of the magazine.



November - December 2022

**Digital Transformation** - In a time where all processes are moving constantly towards digitalization, the importance of understanding the value of its implementation within an organization has become prominent, considering that all organizations share a common goal – bringing value and delivering significant services to customers. In this issue, we cover the most innovative topics on Digital Transformation, where experts in the field were able to share their insights on topics such as; Al and the Metaverse, IoT and Blockchain, Data Privacy in Digital Transformation, Could Security, IoT and Edge Computing, and much more.



# **Top Three Articles of 2022**

How Does the New Revision of ISO/IEC 27002 Affect ISO/IEC 27001

FETER GEELEN

th the publication of the new ISO/IEC 27002:202
In February 2022, ISO kicked off the long awaited update cycle of information securit standards covered by the ISO 27000 family. In thi article, we will look into the consequences for the globs

But the story is a bit more complicated than just updating a series of global information security standards. Since the 2013 publication of the provious generation, the world of information security has changed drastically because of the increased pressure on cybersecurity and

and privacy yet, GDPR has not only pushed the data protection expectations in Europe, but many regions have

In this new era, there is no privacy nor data protection without cybersecurity. And a well-built information (cyber) security management system - in whatever format - is an absolute requirement to protect yourself, your organization, and your peers. It is not only about your own protection

To understand the impact of the ISO/IEC 27002 update,

## ISO/IEC 27001 as the reference standard for many

Security approaches
First of all, it must be said that ISO/IEC 27001 (a.k.a. information Security Management System – ISMS) version 2013 is the current master standard, although it has been updated with 2 minor corrections in 2014 and 2015, consolidated in version 2017, but these were rather non-

How Does the New Revision of

ISO/IEC 27002 Affect ISO/IEC 27001

measures in the current standard still have a rocust, value present approach. That can be complemented perfectly with other more detailed stechnical frameworks (like NIST.)

Obekep in mind that ISO/IEC 2000. I salo as global reference the current state-of-the-art security requirements.

Some are more lightweight, whereas others focus more on specific more lightweight, whereas others focus more on specific

which raised a lot of criticism from the field.

practices. And it still is the common ground that glues them together.

sectors or target specific organizations for instance small and medium-sized enterprises or businesses (SME/SMB)

### The ISO 27000 pack of standards

For a long time. ISO/IEC 27001 has been the main auditable

## **Security Considerations for 5G Technology Enablers**

BY LUC SAMSON

n order to completely fulfill the business n driving the development of 5G by the 3GFP stan organization, 5G uses and introduces technicablers that transform 5G networks into cloud-ba programmable, software-driven, service-based, holistically-managed infrastructures, utilizing enablers such as cloud technologies, Artificial intelligence, open APIs, and Multi-access Edge Computing.

security of 5G relative to 4G, the use of those enablers, of which are not in the scope of 3GPP, have introd new security threats and vulnerabilities that cannot be addressed solely by the 3GPP security framework.With

This article presents the technology enablers introduced used by 56, with their respective security ulunerabilities it also presents the contribution of key organization government, and industry groups that work on securing 5 renablers via security standards, vulnerability analysis, an best practice recommendations.

Four generations of cellular technologies were all ab and everything else.

- > Enhancing Service Offerings relative to 4G with
- Creating New Business Models beyond connectivity provides by fostering an open and agile ecceystem of partners and allowing customers to self-manage their services
   55 business drivers a

Taken together, those objectives will accelerate the digital

Security Considerations for 5G Technology Enablers



### **Building An Effective Crisis Management Team**

BY GEARY SIKICH

Building a sustainable Crisis Management T requires effective decision analysis capa need: people, tools, and structure.

What does this mean? It means that the CMT must possess:

- normal day-to-day decision making.

  2. Training Critical to becoming an effective CMT is training, this includes classroom, virtual, and other forms of knowledge infusion. In addition to training effective simulations (labelops, drills, owercises) should be regularly scheduled and conducted.
- should be regularly scheduled and consistent.

  3. Recognition of winderscene, learners, logorithment, returners, learners, logorithment, returners, learners, logorithment, memory, louderlying Paris (Merithing)— development of plans should be regularly performed. Biols, threath, and volume failless are not static, each action taken to lowful angular the effects can be action taken to lowful angular the effects and volume failly formings and must be reassessed, buffered, and mornitored.

  Active Angular, Similaryon American
- Active Analysis Situational Awareness Communication Constant, rigorous analysis, recovery and return to business operations.
- recovery and return to business operations.

  5. Focused efforts that build credibility Today
  much scrutiny occurs when a crists enurgls,
  media, stakhenders, regulators, and others will
  all be watching what the CMT does or does not
  do. Reportation Management has become a critical
  component of CMT operations.
- 6. Flexible structure that supports long-term functiona



Getting the team to work together when they generally do not function every day as a CMT.

form an effective CAT. The contractive CAT is an operation of the framework for an effective CAT. Can your operations of the framework for an effective CAT. Can your operations of the promotion could be framework for an effective CAT. Can your operations of the promotion of the contractive could be added to effect of the contractive could be added to the contractive contr

Silen points out two challenges and one explanation for 
OMTs. He states that your biggest challenge will be.

CMTs. He states that your biggest challenge will be.

L detting the team to work tagether when they are read on the state of the

### Crisis Management Team (CMT)



Building An Effective Crisis Management Team

