10 YEARS OF CYBER SECURITY FOR EUROPE 2004-2014

Management Board News

Welcome!

Dear reader, I am pleased to present the March issue of the MB Newsletter.

This issue presents the latest ENISA activities in January and February, the list of the most popular deliverables in 2013 as well as the tenders concluded so far.

In 2014, we are celebrating 10 years of ENISA. The 14th March is the actual date of the entry into force of the ENISA first regulation (EC) No 4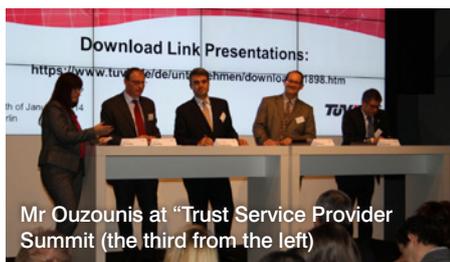60/2004. A number of events will be organised to celebrate this occasion. Again, I would like to thank our stakeholders for the support and trust in Agency's work. We are looking forward to continue the debate on key network security challenges.

With best wishes,

**Udo Helmbrecht,
Executive Director, ENISA**

The latest news from ENISA...

Mr Ouzounis at "Trust Service Provider Summit (the third from the left)

ENISA's Head of Secure Infrastructure and Services Unit, Mr Evangelos Ouzounis, participated in an international workshop on trusted services, organised by TUEV IT in Berlin on **16th January**. Mr Ouzounis presented ENISA's work and lessons learnt in the area of mandatory incident reporting.

The Internal Market and Consumer Protection committee of the European Parliament (IMCO) adopted **23rd January** the report on Network and Information Security (NIS) Directive. Members also mandate the rapporteur to start the negotiations with the Council. The report will be voted in the Plenary session of the European Parliament.
ITRE report is available here: http://www.europarl.europa.eu/sides/getDoc.do?type=REPORT&mode=XML&reference=A7-2014-0103&language=EN

The Agency issued its flash note on **29th January**, which explained risks of using unmaintained software that arise not only from the lack of support by the software's own manufacturer but also from the lack of support by third party software and hardware manufacturers (such as antimalware developers, computer peripherals manufacturers etc. the Full flash note available here:
http://www.enisa.europa.eu/publications/flash-notes/flash-note-risks-of-using-discontinued-software

On **28th January** ENISA was celebrating the 8th edition of Data Protection Day. Reports related to the area of data protection, privacy and trust, published in 2013, are summarised here:
http://www.enisa.europa.eu/media/news-items/european-data-protection-day-28th-january-2014

The Executive Director of ENISA, Udo Helmbrecht and ENISA's Head of Core Operations Department, Mr Steve Purser, met the ENISA Management Board Member from United Kingdom, Ms Amy Jordan. The meeting took place on **28th January** at the UK's Department for Business Innovation & Skills' offices in London. They also met with the ENISA Management Board Members from France, Mr Patrick Pailloux and Mr Jean-Baptiste Demaison on **4th February** at the premises of the French Networks and Information Security Agency (ANSSI) in Paris.

The managing Director of the European Network for Cyber Security (ENCS) Jouke Eikelboom visited ENISA's premises in Athens on **6th February** and met with Mr Steve Purser, ENISA's Head of Core Operations Department and Mr Evangelos Ouzounis, ENISA's Head of Infrastructure & Services Unit. The objective of his visit was to

exchange information on a variety of subjects related to Smart Grid and ICS/SCADA cyber security and explore co-operation opportunities among the two institutions.

ENISA's Executive Director, Udo Helmbrecht, took part in the SOGIS-MRA (Senior Officers Group for Information Systems, Mutual Recognition Agreement) Management Committee meeting that was held in Berlin on **6th – 7th February**. Mr Helmbrecht presented ENISA's activities in the field of IT security standardisation (ETSI, CEN/CENELEC/ISO).

ENISA is an active supporter of Safer Internet Day and is inviting stakeholders to consult the dedicated page for full information on this year's activities: **"Let's create a better internet together"**. With this occasion ENISA on **11th February** published the "Brokerage model for Network & Information Security (NIS) in Education". Full report:
http://www.enisa.europa.eu/activities/stakeholder-relations/nis-brokerage-1/brokerage-model-for-network-and-information-security-in-education

On **12th February** the European Commission published Communication "Internet Policy and Governance. The Europe's role in shaping the future of the Internet Governance" (COM(2014)72 final). Available here:
http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2014:0072:FIN:EN:PDF

On **14th February** ENISA received the visit of 2 Japanese researchers from the NTT Data Institute of Management Consulting Inc, one of the leading IT consulting companies in Japan. The NTT researchers consulted ENISA experts for their new research study about R&D areas related to cyber security technologies and development of human resources.

ENISA's National Liaison Officers (NLOs) met on **17th February** with ENISA experts, in Athens, in order to explore collaboration opportunities according to the Agency's work programme. This was followed by the meeting of the Executive Board on **18th February** who discussed the administrative and budgetary matters of the Agency.

Participants of the MB Informal meeting

ENISA Management Board Informal Meeting was held on **18th – 19th February** to discuss the input to the Multi-annual Work Programme and Work Programme 2015.

ENISA and Art.13a group

ENISA met with the Art.13a group of experts in Valletta, Malta on **25 – 26 February**, kindly hosted by the Maltese regulator MCA, to discuss how to supervise network and information security in the EU's telecom sector. The Meeting launched a pilot with a small group of NRAs and providers aiming to provide access to the Article 13a incident reports. The agenda also addressed the updated versions of the Article 13a Technical guidelines.

On **25th February** the Cloud Security Alliance (CSA) during the RSA conference has named ENISA's Executive Director, Udo Helmbrecht, as the 2014 recipient of the CSA Industry Leadership Award, which was followed by the video interview. The CSA Industry Leadership Award is given to individuals in recognition of their contributions in advancing secure cloud computing initiatives. The full interview is available here:
http://www.bankinfosecurity.com/enisa-on-cybersecurity-challenges-a-6571

ENISA has published a list of the existing Cloud Certification schemes on **25th February**. This will help potential cloud users decide on the security of different cloud solutions. The list was developed by ENISA in close collaboration with the European Commission and the private sector (EC Certification Selected Industry Group).
https://resilience.enisa.europa.eu/cloud-computing-certification

Horizon 2020 – research and innovation framework is opened for proposals. All funding opportunities are listed here:
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020

On **26th February** the Agency issued a Flash Note, 'Large scale UDP attacks: the 2014 trend and how to face it' that analyses and tracks recent UDP attacks and provides recommendations on how to face them. For more information:
http://www.enisa.europa.eu/publications/flash-notes/large-scale-udp-attacks-the-2014-trend-and-how-to-face-it

On **26th February** security experts Mr Johan Rambi and Ms Sonja Schouten of Alliander visited yesterday ENISA's premises in Athens. They met with Mr Steve Purser, ENISA's Head of Core Operations Department, Mr Evangelos Ouzounis, ENISA's Head of Infrastructure & Services Unit and the Smart Grid and ICS/SCADA security team of ENISA. The objective of this visit was to explore opportunities for further co-operation among the two institutions. The topics of the discussion covered: the role of ENISA in the DENSEK project, cyber security matters of Smart Grids, ICS/SCADA and Smart Cities.

GR 2014 eu

Hellenic Presidency of the Council of the European Union

Greece started its presidency of the Council of the EU as of 1st January. On **28th February** the Member states' permanent representatives endorsed the compromise reached between the Council and the European Parliament concerning a Regulation which lays down conditions for mutual recognition of electronic identification; sets rules for trust services, in particular for electronic transactions; and creates a legal framework for electronic signatures, seals and time stamps, electronic documents as well as electronic registered delivery services and certificate services for website authentication (eIDAS).

On **4th March** participants from all the EU Member States gathered in Athens for a two day workshop, to plan and discuss the technical and operational part of Cyber Europe 2014 (CE2014). CE 2014 is a multi-level pan European cyber-exercise that will take place throughout 2014. The exercise is based on simulating incidents and running exercises to test response capabilities across the EU with the ultimate goal to enhance Network and Information security contingency plans and improve the overall security and resilience of Europe's Critical Information Infrastructures.

SECURE CLOUD 2014

1–2 APRIL 2014 // AMSTERDAM

Vice-President of the European Commission responsible for the Digital Agenda for Europe Mrs Neelie Kroes confirmed participation as the opening keynote speaker for the SecureCloud 2014 conference which will take place on **1st April** in Amsterdam.

ENISA is looking for new colleagues!

## Seconded national experts with expertise in

- **Cyber Crisis Exercises and Cooperation,**
- **Critical Information Infrastructure Protection,**
- **Computer Emergency Response Teams (CERTs, CSIRTs)**

This call for SNE will remain open until 30 June 2014 at 14:00 (Greek local time). The first selection for secondment will take place no earlier than 2 months following the publication of this vacancy notice. Further evaluations will be carried out as necessary to fill possible on-going needs according to the number of applications received.

More information: *http://www.enisa.europa.eu/recruitment/vacancies/ seconded-national-experts-6*

Closing Date: Jun 30, 2014

TOP 10
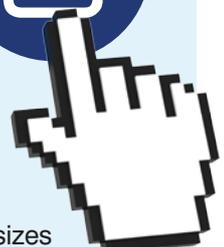
List with top 10 file downloads from the ENISA website

In 2013 the following deliverables were among the most popular downloads from the ENISA website:

1. Cloud Computing Risk Assessment
2. CERT Exercise Handbook 2012
3. Good Practice guide for incident management
4. ENISA Threat Landscape report
5. Secure Software engineering initiatives
6. Algorithms key sizes and parameters report
7. Spanish National Cyber Security Strategy
8. Critical Cloud Computing
9. Botnets Measurement Detection, Disinfection and Defense
10. Annual Incident reports 2012

Taking control...

Outdated energy, water and transport Industrial Control Systems without sufficient cyber security controls require coordinated testing of capability at EU levels

Nowadays, IT is being widely used by industrial control systems (e.g. SCADA) for energy, water and transport. This is used to improve efficiency, achieve cost savings, and to enable the automation of processes. Unfortunately, this often comes with poor planning, lack of information, security configurations, as well as with the incorporation of both well-known and new, undiscovered or yet unpatched "zero-day" vulnerabilities into ICS/SCADA systems.

Industrial Control Systems (ICS) may have a lifespan of over 20 years. Therefore, they have traditionally been designed as independent systems, without sufficient security requirements. Consequently, they are not prepared to deal with current threats. Overcoming today's security gaps requires having a solid understanding of security (i.e. vulnerabilities, their origins, frequency, etc.). Proper security assessment demands specialised tools and methodologies. The Agency emphasises that there is a strong need for a specific strategy to define the objectives, the mission and the vision for a Testing Coordination Capability in the EU.

This study explores how EU actions can be coordinated, so as to reach a level of harmonised, independent and trustworthy ICS testing of capabilities, which would then leverage current initiatives. The methodology includes desktop research, an online survey and in-depth interviews with 27 experts from the EU, the USA, Japan, India and Brazil.

"There is an evident necessity to increase security in Critical Information Infrastructure and ICS system; the risks are increasing, and highly knowledgeable attackers and natural disasters have shown the weaknesses of the systems. All public and private entities involved are strongly advised to seriously address these security concerns."

Mr Udo Helmbrecht,
Executive Director of ENISA

Key findings and recommendations

This research has led to 36 key findings and 7 recommendations for both the public and private sectors, with a special focus on EU bodies:

1. The creation of a Testing Coordination of Capability under public European leadership and strong support from the relevant public, national authorities and the private sector in the EU.

2. The establishment of a trusted and functional Executive Board to enforce leadership.

3. The creation or involvement of specific working groups.

4. Definition of a financial model which is suitable given the European situation.

5. Carrying out a feasibility study regarding how testing should be organised.

6. Establish collaboration agreements with other organisations dealing with ICS security.

7. Establish a knowledge management programme for ICS testing.

For full report:
Good Practices for an EU ICS Testing Coordination Capability

The implementation of the Work Programme 2014

The Agency successfully concluded Framework Service Contracts which will support Agency for the upcoming years thus significantly reducing the time spent on annual tender procedures

Project Title	Work Programme reference	Type of contract	Contractor	Contract Signature Date	Contract End Date
Supporting the CERT community	**WPK2.1 – Support Member States' Capacity Building:** D3 – Good practice guide on training methodologies (Train the trainers handbook) D5 – New set of CERT exercises material with at least five scenarios from the four areas of the "Baseline capabilities" D6 – Stocktaking of achievements in the area of CERTS and draft roadmap to plan future work in this area **WPK3.3 – Regular cooperation among NIS communities:** D2 – good practice guide and /or training and exercise material for the exchange and processing of actionable information by CERTs D3 – report "Stocktaking on channels and formats for exchange of operational information"	Framework service contract with re-opening	NASK	11/02/2014	10/02/2017
			Deloitte	11/02/2014	10/02/2017
			RAND Europe	12/02/2014	11/02/2017
			S-CURE BV	11/02/2014	10/02/2017
Provision of consultancy services in the field of Cryptology	**WPK1.2 – Contributing to EU policy initiatives:** D3 – Algorithms and parameters for secure services	Framework service contract with re-opening	KU Leuven	18/02/2014	17/02/2017
			Everis Aerospacial y Defensa	11/02/2014	10/02/2017
			S.C. CERTSIGN S.A.	17/02/2014	16/02/2017
			SAS CryptoExperts	11/02/2014	10/02/2017
Supporting Cloud Security and Resilience activities	**WPK1.2 – Contributing to EU policy initiatives:** D1 – Engaging Cloud Computing Stakeholders in the EU's Cloud Computing Strategy and Partnership **WPK 2.2 – Support Private Sector Capacity Building:** Security Measures for Cloud Computing D5 – Minimum Security Measures for Cloud Computing D6 – White paper : Procurement guidelines for Secure Cloud Computing development	Framework service contract with re-opening	CNIT	25/02/2014	24/02/2016
			CSA Europe	20/02/2014	19/02/2016
			Ernst & Young	25/02/2014	24/02/2016
			IDC Cema s.r.o.	17/02/2014	16/02/2016
Supporting Cyber Crisis Cooperation Exercises and other related Activities	**WPK 3.1 – Crisis cooperation – exercises:** D1 – Cyber Europe 2014:Exercise plan and Exercise D2 – Report on Cyber Crisis Cooperation and Exercise activities and findings D3 – EU-US Cyber Security Exercise plan	Framework service contract with re-opening	4C Strategies	24/02/2014	23/02/2017
			Deloitte	24/02/2014	23/02/2017
			TBC	*sent for signature*	
			Secana	20/02/2014	19/02/2017
Evaluation framework for National Cyber Security Strategies	**WPK2.1 – Support Member States' Capacity Building** D2 – White Paper – How to Evaluate a National Cyber Security Strategy	Service contract	Rand Europe	28/02/2014	15/10/2014
Security of Inter-banking e-communications	**WPK2.2 – Support Private Sector Capacity Building** D8 – Guidelines for Secure Inter-Banking Communications and Transactions	Service contract	TBC	*sent for signature*	

Calendar of events

ENISA is organising, has received invitations and plans to participate: March, April and May 2014[1]

10 March	The Hague, the Netherlands	**7th EC3 Programme Board Meeting**
11 March	Lisbon, Portugal	**Workshop on Cyber Exercises: Cyber Crisis cooperation exercises**
18 March	Budapest, Hungary	**ENISA meeting with the Visegrad group countries**
20 March	Vienna, Austria	**CEN-CENELEC-ETSI Cyber Security Coordination Group**
24 March	Ispra, Italy	**Meeting with JRC**
25 March	Berlin, Germany	**KITS Workshop** http://www.gesa-network.de
26 March	Zagreb, Croatia	**7th Corporate security conference** http://www.liderpress.hr
26 March	London, the UK	**Conference "Inside Government's Tackling Cyber Crime"** http://www.insidegovernment.co.uk
26 March	Tallinn, Estonia	**ENISA meeting with Estonian Information System Authority (RIA), Ministry of Economic Affairs, Ministry of Interior and Estonian Certification Centre**
27 March	Helsinki, Finland	**Seminar organised by Finnish government**
27 March	Brussels, Belgium	**EDA Annual Conference** http://www.eda.europa.eu/info-hub/events/annual-conference
28 March	Roma, Italy	**ENISA meeting with Italian representative to the ENISA Management Board**
1 – 2 April	Amsterdam, the Netherlands	**SecureCloud 2014**
2 April	Brussels, Belgium	**A half day dissemination workshop for the EG2 deliverable on "Security measures for smart grids"**
2 April	Amsterdam, the Netherlands	**Conference "Security TechTal Benelux"**
2 – 3 April	Brussels, Belgium	**1st European Conference on the Future Internet** http://www.ecfi.eu/brussels2014/
2 – 4 April	Berlin, Germany	**14th annual Conference in Risk series: Strategic Risk Management**
4 April	Athens, Greece	**Conference organised by European Youth Parliament Greece** http://nsc.eypgreece.org/
9 April	Brussels, Belgium	**3rd Annual European cloud Computing Conference** http://www.eu-ems.com/summary.asp?event_id=209&page_id=1781
28-29 April	Athens, Greece	**12th EU FI-ISAC meeting**
29 April	Brussels, Belgium	**Workshop "Cyber security challenges in Europe"**
29 April	Brussels, Belgium	**NIS platform WG3 meeting**
30 April	Brussels, Belgium	**NIS platform plenary meeting**
29 April – 1 May	London, the UK	**Infosecurity Europe 2014** http://www.infosec.co.uk
6 – 7 May	Zagreb, Croatia	**Regional Computer Emergency Response Teams (CERT – CIRT – CSIRT) event on cooperation**
7 May	Athens, Greece	**Meeting of the ENISA Executive Board**
8 May	Athens, Greece	**ENISA PSG meeting**
12 – 14 May	Münster Germany	**IMF2014 – 8th International Conference on IT Security Incident Management & IT Forensics** http://www1.gi-ev.de/fachbereiche/sicherheit/fg/sidar/imf/imf2014/cfp.html
11 -12 May	Aalborg, Denmark	**Global wireless summit** http://gws2014.org/
12 – 16 May	Warsaw, Poland	**RIPE 68** https://ripe68.ripe.net/
19 May	London, the UK	**Chatham House – Cyber Security** http://www.chathamhouse.org/
22 – 23 May	Madrid, Spain	**ENISA Electronic Communications Reference Group Meeting**
20 – 21 May	Athens, Greece	**ENISA organised event** **Annual Privacy Forum 2014 (APF'2014)** http://privacyforum.eu/
27 – 28 May	Heraklion, Crete, Greece	**ENISA organised event** **ENISA 9th annual workshop 'CERTs in Europe' – Part I**
13 – 14 May	Brno, Czech Republic	**National conference**

[1]The list is tentative and last minute changes may occur