



THE EU CYBERSECURITY AGENCY

ENISA EXERCISES CYBER EUROPE 2020

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ENISA

30 | 10 | 2019



AGENDA

ENISA exercise activities

CYBER EUROPE 2020

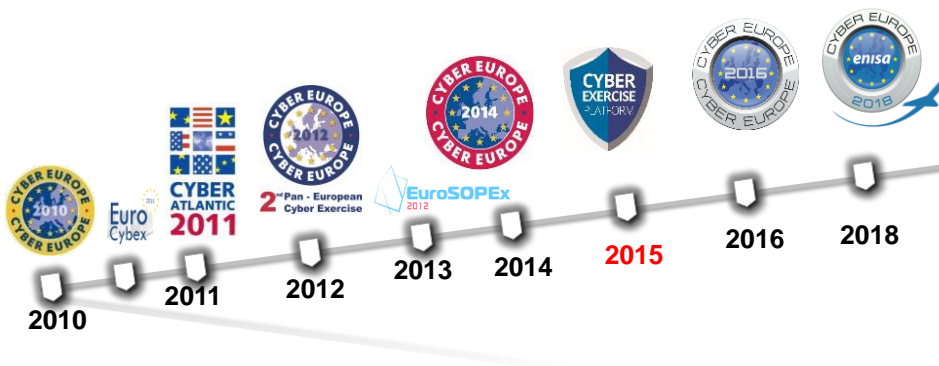


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OVERVIEW

ENISA EXERCISE ACTIVITIES

EXERCISE ORGANISATION



EXERCISE SUPPORT

- Exercise Management Methodology/Seminar (ISO22398)
- Support others in exercise organisation:
 - European Commission,
 - European External Action Service (EEAS),
 - Eurocontrol,
 - EU Large –scale Systems Agency (eu-LISA),
 - Europol
 - National Exercises (National Exercise in Portugal 2019)
 - Many others: e.g. Election Authorities
- Cyber Exercise Platform

EXERCISE INFRASTRUCTURE



CYBER EXERCISE PLATFORM

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Exercise management features
Exercise management is at the centre of CEP.
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Technical Exercise Playground
The platform hosts a Cyber security Technical Exercise (CTE) environment for self-paced exercising and training with technical cyber security incidents.
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Exercise Virtual Universe
We have developed a general purpose virtual universe for exercises.
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Incident development community
CEP hosts a community of cyber security experts who develop technical incidents for cyber exercises and the playground.

e-Learning

WWW.URVOCGNAI2A7DI-0

EXERCISE INFRASTRUCTURE

CYBER EXERCISE PLATFORM (CEP)

A set of systems that offer “Exercise Management”

- Planning
- Organisation/control
- Evaluation

A unique “Exercise Universe”

- interactive virtual environment
- simulated representations of applications and tools
- connected to a simulated Internet-level environment

Other services and tools

- e-Learning platform, Network simulator

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ENISA EXERCISE UNIVERSE

Enter the Exercise Universe

General Sites

 <small>Noodle is a search engine</small>	 <small>BCC News is one of the most frequently accessed news websites in Europe</small>	 <small>Federal News Network is American basic cable and satellite television news channel</small>	 <small>Cribs on security is a blog covering computer security and cybercrime</small>
 <small>First health site</small>	 <small>Second health site</small>		

Social Media

 <small>Fakebook is the social networking service</small>	 <small>Twister is for tweets</small>	 <small>Clickedin is a business-oriented social networking service</small>	 <small>Youtube is the global video-sharing website</small>
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CYBER EUROPE

- Simulation of cybersecurity incidents and cyber crises
- **Business continuity** and **crisis management** situations and scenarios
- Advanced **technical** real-life and advance incidents
- Scenarios inspired by real-life incidents
- Goals/objectives
 - Procedure **testing**
 - Cooperation **enhancement**
 - Technical skills **training**
 - Gap **detection/analysis**

[CE2018 example](#)

The image shows a cluster of smaller 'CYBER EUROPE' logos for the years 2010, 2012, 2014, 2016, 2018, and 2020. Each logo is a circular emblem with the year and the ENISA logo inside. The 2020 logo is the largest and includes the red medical symbol.

13 | ENISA Cyber Exercises & Cyber Europe 2018



CYBER EUROPE 2020




Goals:

- G1. Test EU-level technical and operational cooperation during cyber-crises
- G2. Provide opportunities to test local-level incident response and procedures
- G3. Train EU- and local-level technical capabilities


And some implicit goals:

- Help to build trust
- Engage the private sector
- Improve situational awareness
- Test public affairs response
- Improve exercise process and capabilities

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CYBER EUROPE 2020



Setup:

- It is a two-day distributed exercise in June 2020
- Technical, procedural and media response to a variety of incidents
- The players are remote, usually at normal place of employment or in incident cells
- Injects will be sent to players and they should react accordingly
- There will be a central Exercise Control at ENISA HQ in Athens
- Exercise local planners will also provide local monitoring and support players at local level

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CYBER EUROPE 2020



Target audience:

- National/Governmental CSIRTs / Cyber Security Authorities
- Ministries of Health
- Healthcare Organisations (e.g. hospitals/clinics/labs)
- eHealth Service Providers
- Health industry (medical device manufacturers, pharmaceutical companies, etc.)

- EU institutions: ENISA, Europol, CERT-EU

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Example incidents:

Spearphishing attacks,
 Wide-spread of malware,
 Mobile malware as information stealers,
 Rogue WIFI in hospitals,
 Insider attacks,
 Data breaches,
 Vulnerable medical devices,
 PACS/CIS attacks
 DICOM vulnerabilities exploitation
 and many others...

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CYBER EUROPE 2020



How do I get involved?

Contact ENISA
It will be done via the local planners within your country
Information package and trailer will be public before the end of the 2019

How do I get more info? exercises@enisa.europa.eu

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THANK YOU FOR YOUR ATTENTION



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