

Exercise 3 (E3)

Cybersecurity Governance and Legislation

Objectives

The objectives of E3 are:

- To know (at a glance) the ecosystem of current main regulation in Spain, Europe, and worldwide with implications in the cybersecurity space.
- To focus on relevant laws, recommendations, acts, and standards aiming at regulating CI&A pillars for a broad range of use cases including personal data management, SME security, IoT security, and crypto-assets, to mention few.
- To prepare and do an oral presentation (12 minutes) from guided search of available open source materials.
- To attend presentations and prepare questions and suggestions to improve.
- To prepare a two-pager document on the assigned topic.

Statement

This exercise consists of **three main tasks**, to be realized in the coming weeks:

Task 1: Preparation of oral presentations (homework)

Each working team has **one topic assigned (see below the assignments)**

Each team will work autonomously in order to get bibliography related to the assigned topic, process the found sources and documents, and prepare a **12-minutes oral presentation (with supporting slides)**, presenting the main aspects of the topic. The following table presents the selected topics, with some suggestions to guide your search and focus your presentation. Moreover, few links about the related topic are provided, to facilitate bibliographic search. However, the presentation should not be restricted to the material found in the provided links (additional search will be needed from your side):

Topic	1
Title	General Data Protection Regulation (GDPR)
Suggestions to guide your search and focus your presentation	What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.

	Types/categories of data it covers. Different actors involved (people, companies, institutions). Different processes and phases of data lifetime (data collection, processing, storage, curation, etc). Any specific concern about data treatment at UPC.
Links of interest (Your search is not restricted to only these links)	<ul style="list-style-type: none"> ● https://gdpr-info.eu/ ● https://commission.europa.eu/law/law-topic/data-protection/eu-data-protection-rules_en ● https://europa.eu/youreurope/business/dealing-with-customers/data-protection/data-protection-gdpr/index_en.htm ● https://www.upc.edu/normatives/ca/proteccio-de-dades

Topic	2
Title	European Union Cybersecurity Act
Suggestions to guide your search and focus your presentation	<p>What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.</p> <p>What is the aim (mission), what are the key points, its internal structure and components, a bit of history and evolution in the last years, plans for the future.</p>
Links of interest (Your search is not restricted to only these links)	<ul style="list-style-type: none"> ● https://digital-strategy.ec.europa.eu/en/policies/cybersecurity-act ● https://eur-lex.europa.eu/EN/legal-content/summary/the-eu-cybersecurity-act.html

Topic	3
Title	European Union Data Act
Suggestions to guide your search and focus your presentation	<p>What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.</p> <p>What is the aim (mission), what is the context that justifies the need of this regulation, what is the internal structure of the document, what are the key measures proposed and the main involved actors.</p>
Links of interest (Your search is not restricted to only these links)	<ul style="list-style-type: none"> ● https://digital-strategy.ec.europa.eu/en/policies/data-act ● https://eur-lex.europa.eu/eli/reg/2023/2854 ● https://ec.europa.eu/commission/presscorner/detail/en/ip_22_113

Topic	4
Title	The NIS 2 Directive
Suggestions to guide your search and focus your presentation	<p>What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.</p> <p>What is the aim (mission), which critical sectors it applies, what obligations covers, a bit of evolution (previous versions).</p>
Links of interest	<ul style="list-style-type: none"> ● https://digital-strategy.ec.europa.eu/en/policies/nis2-directive

(Your search is not restricted to only these links)	<ul style="list-style-type: none"> • EPRS_BRI(2021)689333_EN.pdf
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Topic 5	
Title ENS (<i>Esquema Nacional de Seguridad</i>) certification	<p>Suggestions to guide your search and focus your presentation</p> <p>What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.</p> <p>What is the aim (mission), which sectors it applies, what type of certifications it includes/covers, which needs it covers, a bit of history (previous versions/status, motivation behind).</p>
Links of interest (Your search is not restricted to only these links)	<ul style="list-style-type: none"> • https://ens.ccn.cni.es/en/what-is-the-ens • https://globalt4e.com/certificacion-en-el-ens-quia-completa-para-cumplir-la-normativa/

Topic 6	
Title Markets in Crypto-Assets Regulation (MiCA)	<p>Suggestions to guide your search and focus your presentation</p> <p>What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.</p> <p>What is the aim (mission), which sectors it applies, what are the principles and requirements, what are the technologies behind it, a bit of history and evolution.</p>
Links of interest (Your search is not restricted to only these links)	<ul style="list-style-type: none"> • https://www.esma.europa.eu/esmas-activities/digital-finance-and-innovation/markets-crypto-assets-regulation-mica • https://www.investopedia.com/what-is-market-in-crypto-assets-6751039

Topic 7	
Title Payment Card Industry Data Security Standard (PCI DSS)	<p>Suggestions to guide your search and focus your presentation</p> <p>What it is and when/to whom it applies/affects. Which institutions/organizations take care of this.</p> <p>What is the aim (mission), which sectors it applies, what are the principles and requirements, what are the technologies behind it, a bit of history and evolution.</p>
Links of interest (Your search is not restricted to only these links)	<ul style="list-style-type: none"> • https://stripe.com/en-nl/guides/pci-compliance#overview-of-pci-data-security-standard-pci-dss • https://listings.pcisecuritystandards.org/documents/PCI_DSS-QRG-v3_2_1.pdf?agreement=true

The assignment of topics to teams is the following:

Topic	Group 12 (8h-10h)	Group 13 (10h-12h)	Group 11 (12h-14h)
1 – GDPR	Team 1	Team 7	Team 14
2 – EU Cyber Act	Team 2	Team 8	Team 15
3 – EU Data Act	Team 3	Team 9	Team 16
4 – NIS 2	Team 4	Team 10	Team 17
5 – ENS	Team 5	Team 11	Team 18
6 – MiCA	Team 6	Team 12	Team 19
7 – PCI DSS	-	Team 13	Team 20

Important!!!: Each team **MUST** do the presentation of the assigned topic in the table above. Otherwise, the mark of the exercise will be 0 for this exercise. If you have any doubt about this aspect, please contact the coordinator.

Hints for the presentation:

- 12 minutes -> around 12 slides of contents 😊 (you can use more or less number of slides, but this is typically a good measure to control the time)
- Do not abuse of text in the slides!!!
- Be as didactic as possible!!! You will probably read some dense (even boring) contents, that you need to translate to something understandable, as visual as possible, and attractive for a broad audience.
- Conclude your slides with the bibliography list.

Task 2: Oral Presentations Session (In person, November 21th)

In this task, each team will do the oral presentations (**strict 12 min max**), following team number order (suitable to be reordered if agreed among all). As usual, each team member must take care of the oral exposition of a part of the presentation. The date of the session is:

Friday November 21th, 2025

- **8h-10h: Group 12 (Teams 1-6) – Classroom A6202**
- **10h-12h: Group 13 (Teams 7-13) - Classroom A5E02**
- **12h-14h: Group 11 (Teams 14-20) - Classroom A6202**

Besides oral presentations, each team will have a second subtask during the session while the team is not presenting. This subtask will consist in attending the presentation of the rest of teams and complete the following template (one table for each team):

Presenting team number	
Topic	
Questions (min. 3 questions per presentation)	1. 2. 3.
Recommendations to improve	

Fill the template during the session while you are attending the presentations of your mates, specially the field of the questions. After each presentation, the lecturer will ask randomly two of the attending teams to make one question each.

Final details about how to fill this template will be explained before starting oral presentations session.

Task 3: Two-pager summary (Homework, after presentations)

Each team will provide a two-pager document of the assigned topic. Search information about how to write and which contents are included in a “two-pager” document. The format is free but you need to create a good, concise document, with the objective to introduce the main characteristics and particularities of the selected topic to a broader audience. You are requested to deliver an **editable (not pdf)** document by November 27th, 2025.

Delivery

The delivery of this exercise must contain:

- The set of slides used during oral presentation session.
- The document created during oral presentation session with the questions and suggestions to improve of other presentations.
- The two-pager document summarizing the assigned topic, in an editable form.

Zip all the documents above in a compressed file with name **E3_[your_team_number].zip**.

Deadline: November 27th

The evaluation of the E3 will be carried out as follows:

- **Quality of the presentation (40%)**: scope of presented contents, sufficient level of detail, proper organization, correct use of graphical/visual materials, adequacy with assigned topic and time constraints, correct use of bibliography.
 - This item accounts for the work done before the oral presentation session.
 - Same mark for all the members of the team.
- **Oral presentation skills (20%)**: clarity and good knowledge of the explained concepts, use of non-verbal language.
 - This item accounts for the work done during the oral presentation session.
 - Members not attending the oral presentation session will not receive the mark of this item.
 - This mark can be different among members of the same team.
- **Questions & Suggestions document (20%)**: interest and adequacy of the performed questions, critical thinking.
 - This item accounts for the work done during the oral presentation
 - Members not attending the oral presentation session will not receive the mark of this item.
 - Same mark for all team members attending the session.
- **Two-pager document (20%)**: clear and concise contents, easy to understand without skipping technical details, attractive template.
 - This item accounts for the work done after the oral presentation session.
 - Same mark for all the members of the team.

Supporting Material

See the links proposed for each topic