CONCORDIA

Cyber security cOmpeteNCe fOr Research anD InnovAtion

From market need to Certification

Chatzopoulou Argyro, TÜV TRUST IT

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CYBERSECURITY SKILLS CONFERENCE
BUILDING A CYBERSECURITY WORKFORCE

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CONCORDIA

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CONCORDIA is a major H2020 consortium to interconnect Europe's Cybersecurity capabilities. It will establish a pilot for a Cybersecurity Competence Network and will lead the development of a common Cybersecurity Research & Innovation Roadmap for Europe.

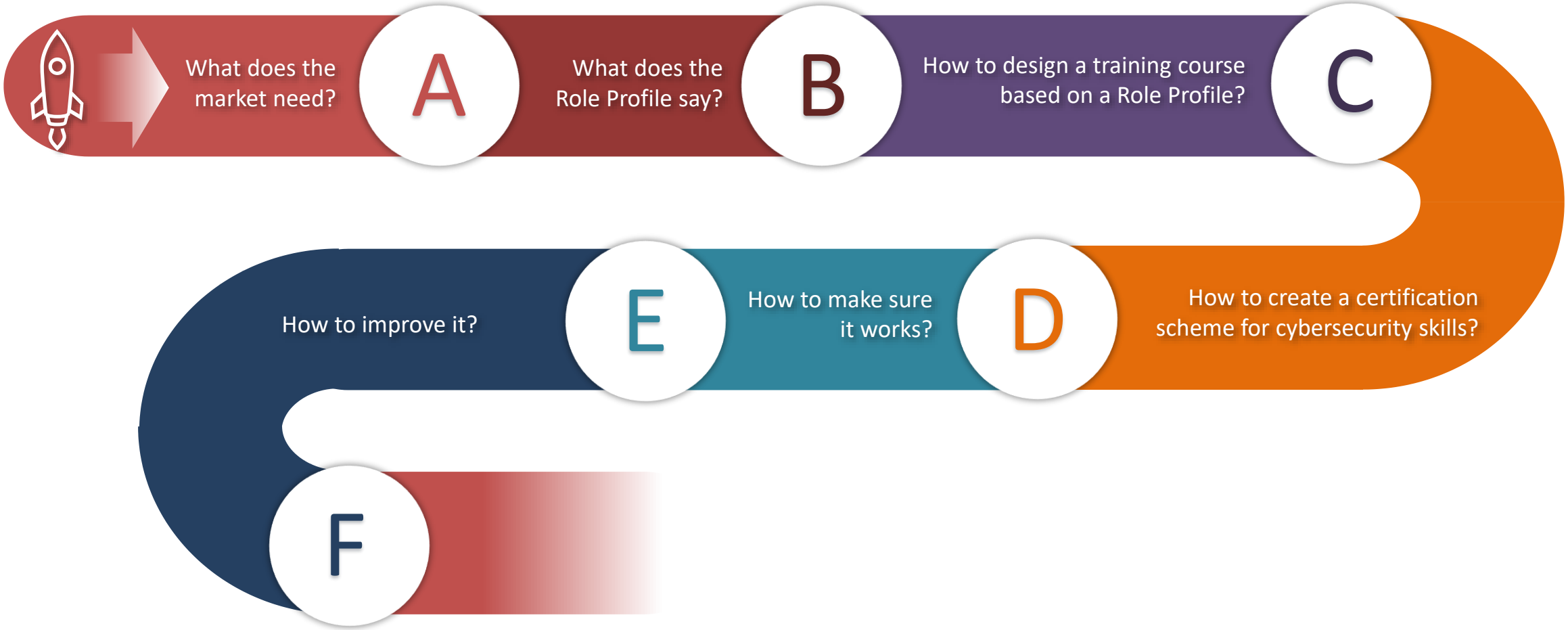
… the challenge

There is a considerable amount of Cybersecurity related courses and trainings offered by various European and international organisations, however, despite the plethora of options to learn there is

a profound lack of coherency and holistic planning

of these trainings and skills certifications.

CONCORDIA's approach



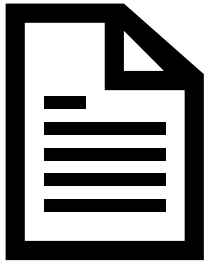
A. Feasibility study

Trainings and skills certifications should address a market need. This is also true for the Role Profiles. The identified role profiles should reflect the major needs of the market.

This information should not be static but updated.

When we started our efforts there was no Role Profile for the Cybersecurity Consultant.

“We are currently preparing students for jobs that don't yet exist
… using technologies that haven't been invented
… in order to solve problems we don't even know are problems yet.”
Richard Riley
(Former United States Secretary of Education (under President Bill Clinton) and the 111th governor of South Carolina.)



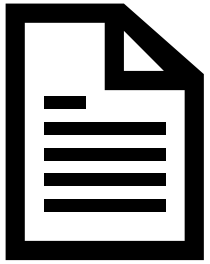
https://www.concordia-h2020.eu/wp-content/uploads/2020/06/CONCORDIA-SkillsFeasibilityStudy-forpublication.pdf

B. Creating a Role Profile

The Role Profile, provides an overview of the Tasks that the role needs to perform and the minimum knowledge, skills and e- competencies the person incorporating this role should have to perform these tasks effectively.

The role profile is the basis for

training :	In order to provide the necessary theoretical knowledge and to bestow and practice the necessary skills
HR:	In order to select the appropriate people to appoint for a specific role, or to provide them the necessary training
Certification:	In order to develop certification schemes that effectively validate that a person has the necessary knowledge and skills.



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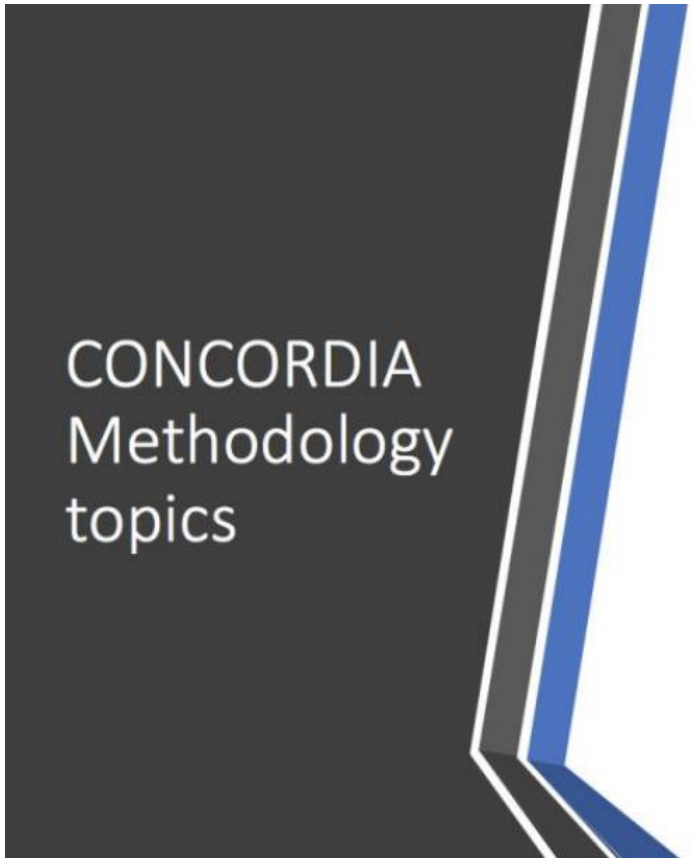
C. Creating a Training Course



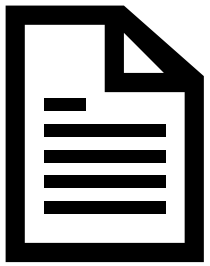
- Understand your target audience
- Look into their needs
- The course content
- Choosing the lecturers
- Lesson design
- The delivery strategy
- Consider the evaluation strategy
- The importance of certification
- Looking into partnering

The Role Profile

https://www.concordia-h2020.eu/wp-content/uploads/2020/06/CONCORDIA-methodology-courses-professionals-for-publication.pdf

D. The Certification Scheme

2 The Certification Scheme for the Cybersecurity Consultant .....
2.1 Structure .....
2.2 Scope of certification .....
2.3 Job and task description .....
2.4 Required competence .....
2.5 Abilities .....
2.6 Prerequisites .....
2.7 Declaration of Honor .....
2.8 Criteria for initial certification and recertification .....
2.8.1 Examination Committee/ Examiners .....
2.8.2 Requirements for the Certificate .....
2.9 Assessment methods for initial certification and recertification ..
2.9.1 Section A. : Assessment method Theoretical method, written .....
2.9.2 Section B. : Assessment method Practical method, simulation .....
2.10 Surveillance methods and criteria .....
2.11 Criteria for suspending and withdrawing certification .....
2.12 Storing and Validating certificate information .....



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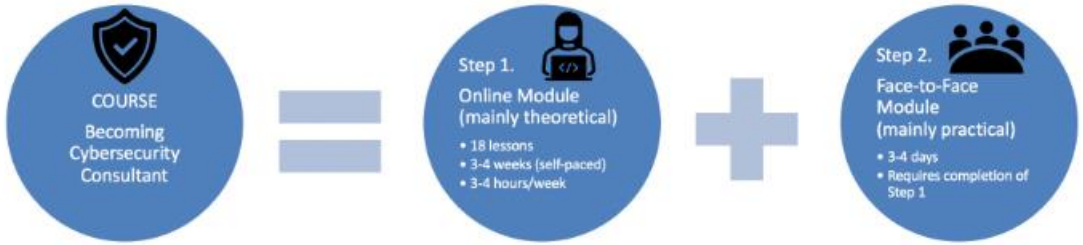
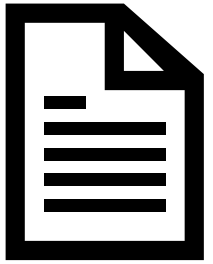
E. Piloting the course and certification



CONCORDIA course
"Becoming a Cybersecurity Consultant"
Registration for the session
October-November 2022



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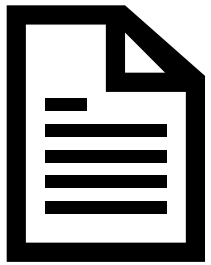
F. Common Basis

Methodology for the creation and deployment of new courses and/or teaching materials for cybersecurity professionals



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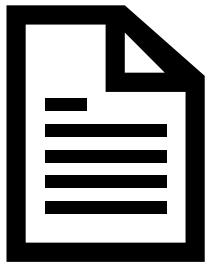
Cybersecurity Skills Certification Framework



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Contact

Research Institute CODE
Carl-Wery-Straße 22
81739 Munich
Germany

contact@concordia-h2020.eu

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