

CYRUS: your path to better cybersecurity

Cybersecurity competence framework

What are the cybersecurity skills, competences and knowledge employees need to mitigate cyber threats?

Cybersecurity competence framework

In the face of evolving digital threats, the importance of robust cybersecurity measures in the transport and manufacturing sectors cannot be overstated.

The CYRUS project introduces a cybersecurity competence framework designed to support staff of the transport and manufacturing industries in enhancing their cybersecurity capabilities.

The cybersecurity competence framework is a result of a collaborative effort, gathering insights from over 40 experts across Europe. It supports organisations, HR managers and training providers in creating or updating cybersecurity training and awareness programmes for all employees, enhancing the overall cybersecurity culture. It emphasises the importance of using non-technical language and

engaging non-IT staff in cybersecurity practices. Thus, it addresses a gap in current initiatives, which often neglect the contribution of non-IT roles to organisational security.

The framework is built around three main competence areas:

- 1. Risk prevention, monitoring & management:** skills for identifying and mitigating cybersecurity threats.
- 2. Policy & compliance:** knowledge of cybersecurity policies and standards.
- 3. Cybersecurity culture & human behaviour:** insights into the role of human behaviour in cybersecurity and how to promote a secure working environment.

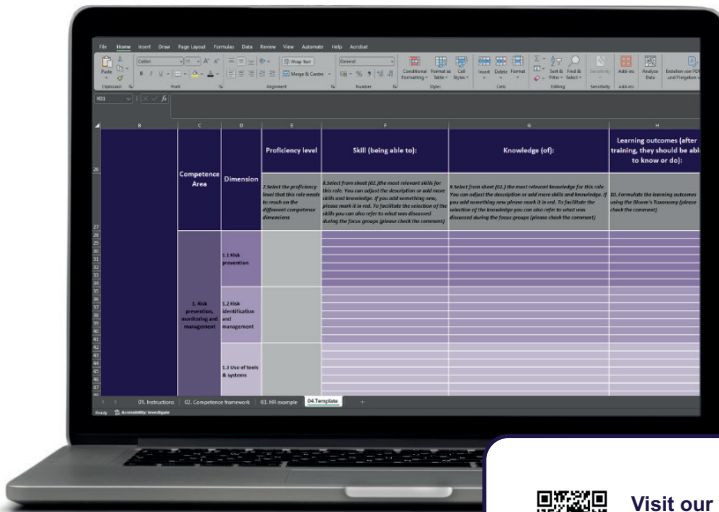



Figure: The three competence areas, further divided into competence dimensions.

CYRUS learning paths

The CYRUS cybersecurity competence framework offers adaptable learning paths tailored to the specific needs and roles of individuals within an organisation. Whether starting at a beginner, skilled or expert level,

the framework provides multiple training routes for skilling or upskilling through a structured, modular learning path. This personalisation ensures that the training is relevant and engaging for all participants.





**Visit our website to download
the cybersecurity competence
framework template**

How to use the framework

To apply the cybersecurity competence framework, visit the website www.cyrus-project.eu/cybersecurity-competence-framework and download the template. Read the current version of the competence framework that is available in sheet "02. Compe-

tence framework" and the example prepared for the HR manager available in sheet "03. HR example". Then, apply the framework to your role(s) by using the template and instructions provided in sheet "04. Template".

About CYRUS

The CYRUS project proposes a novel training system, where a complete set of skills to be vigilant, to identify and to respond to cyber attacks will be delivered. The framework exploits innovative methods for training implementation. Virtualisation-dedicated

cyber range simulations in operational settings and work-based learning will allow timely and efficient course delivery, overcome the current hindrance and raise interest in the awareness programme and good practices.

Project partners



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