Co-funded by
the European Union

ERASMUS+ cooperation partnership

isecureu
DIGITAL EDUCATION TOOLS
FOR SECURITY RISK MANAGEMENT

Digital education tools for SECURITY RISK MANAGEMENT

2021-1-LV01-KA220-HED-000023056

Co-funded by
the European Union

ERASMUS+ cooperation partnership
Digital education tools for
SECURITY RISK MANAGEMENT

secureu
DIGITAL EDUCATION TOOLS
FOR SECURITY RISK MANAGEMENT

KĀRLIS APALUPS

Project expert, Latvia

General introduction into security risk management

2021-1-LV01-KA220-HED-000023056

ABOUT THE PROJECT

WHY?

There is a need not only for high quality training for young security specialists, but also for the trainings that will allow them to be better prepared for the crisis, as well as possibly to eliminate many dangers before they happen and turn into crisis. There is a **great lack of digital teaching and learning materials in the security field**, especially if we are talking about **security risk management.**

TARGET GROUP

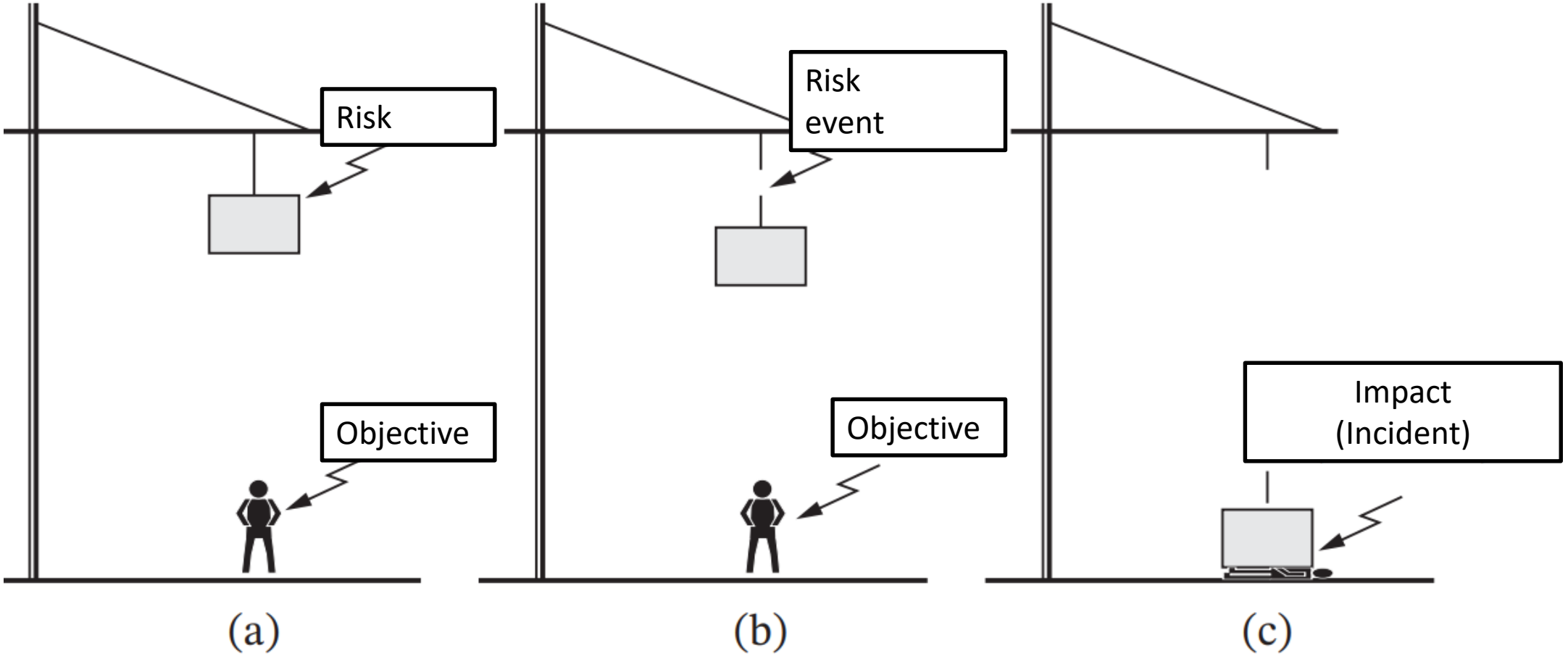
Teachers and students of Security field, faculties and Universities and training centres providing education and training on Security and security field professionals.

Definition

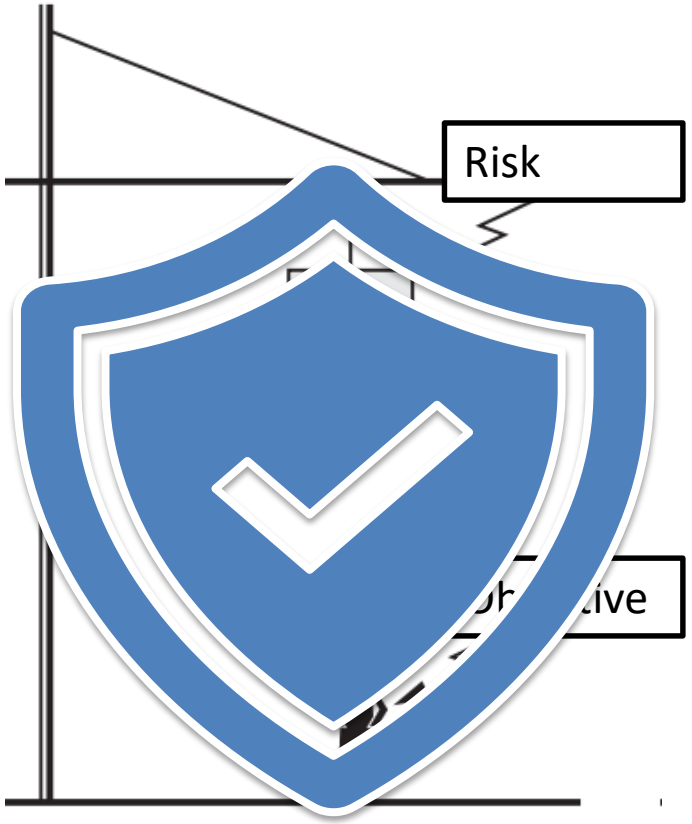
secureu
DIGITAL EDUCATION TOOLS
FOR SECURITY RISK MANAGEMENT

According to ISO 31000, risk is the "**effect of uncertainty on objectives**" and an effect is a positive or negative deviation from what is expected.

How does risk look like?



Why is risk management important for **security specialists?**



Because security's main objective is to protect the objective(assets)!

Risks can be categorized

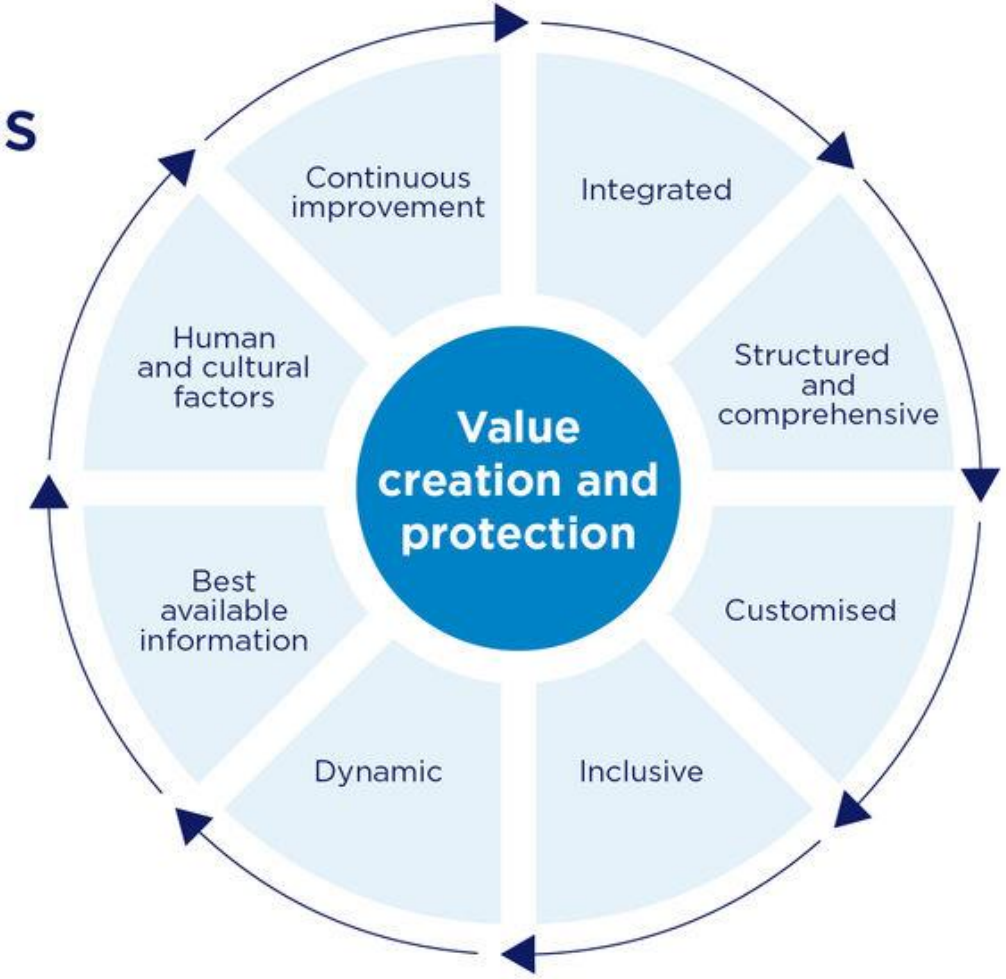
secureu
DIGITAL EDUCATION TOOLS FOR SECURITY RISK MANAGEMENT

Origins	Affected parties	Affected asset (objective)	Origin type	Impact severity
• Natural • Technological • Social - Human	• Individual, group or whole • Local, regional, national or international	• Finance • Reputation • Health/Life • Emotional health • Physical assets • Information	• Natural • Planned	• Acceptable • Unacceptable • Catastrophic

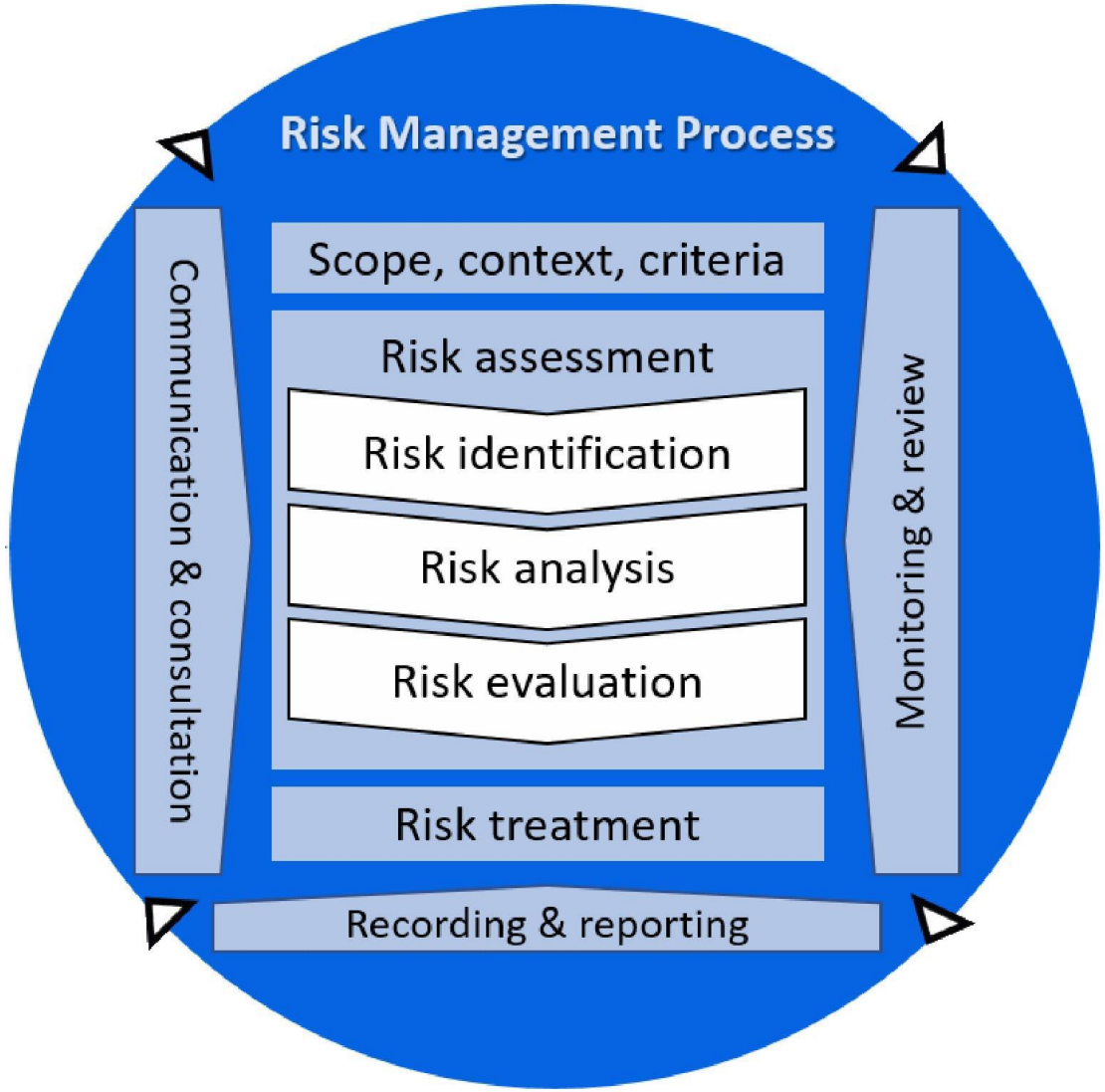
Risk management process

secureu
DIGITAL EDUCATION TOOLS
FOR SECURITY RISK MANAGEMENT

The 8 principles of ISO 31000



Risk management process

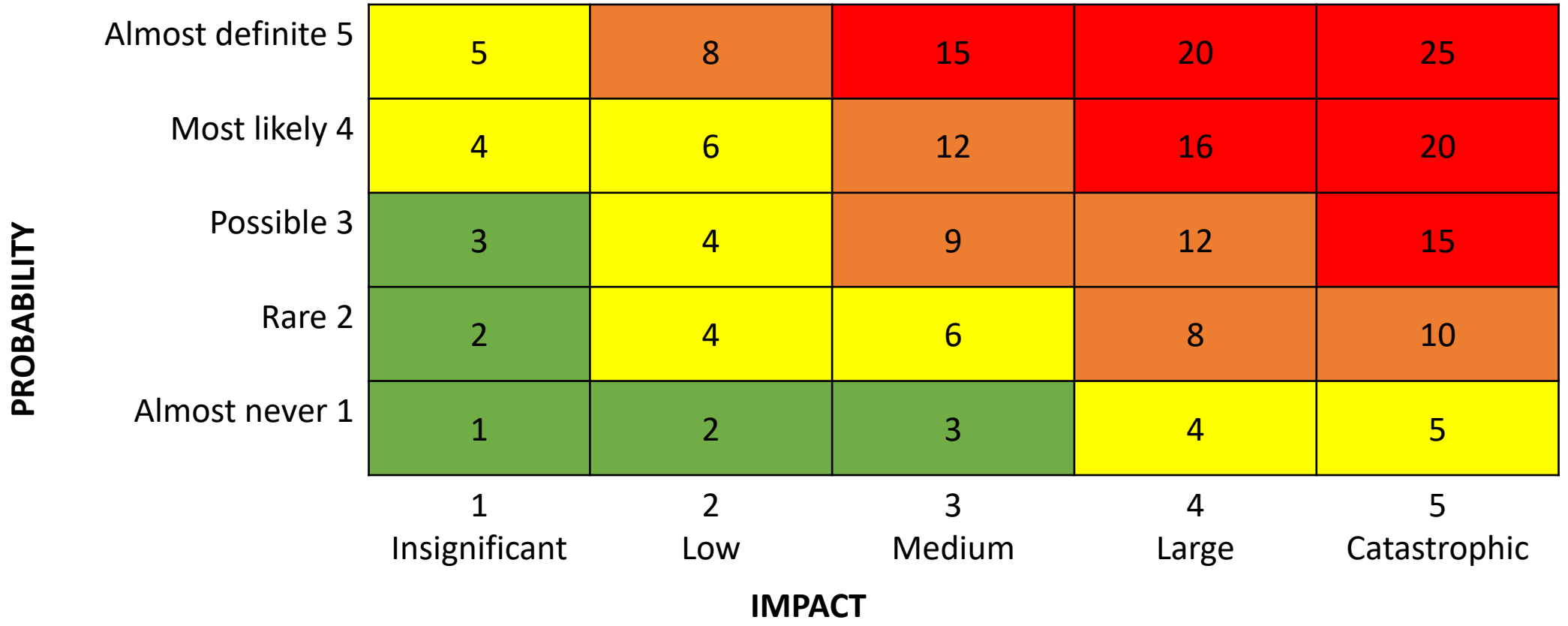


Per ISO 31000

Basics of risk analysis – RISK ASSESMENT

ID	ASSET	RISK	IMPACT (1-5)	PROBABILITY (1-5)	RISK FACTOR (I * P = RF)
1	FINANCIAL DATA	Data loss due to ransomware attack	4	3	12
2	BUILDING	Office fire due to mishandling of candles	3	2	6

Basics of risk analysis – RISK MATRIX



Basics of risk treatment

ID	ASSET	RISK	IMPACT (1-5)	PROBABILITY (1-5)	RISK FACTOR (I * P = RF)
1	FINANCIAL DATA	Data loss due to ransomware attack from private infected USB usage	4	3	12
2	BUILDING	Office fire due to mishandling of candles	3	2	6

ID	TREATMENT	RISK OWNER
1	Disabling USB ports / Private USB's not allowed	Chief Information Security Officer
2	Prohibition of fire indoors	HR

Co-funded by the
Erasmus+ Programme
of the European Union

secureu
DIGITAL EDUCATION TOOLS
FOR SECURITY RISK MANAGEMENT

THANK YOU!

https://security.turiba.lv

Co-funded by the
Erasmus+ Programme
of the European Union

secureu
DIGITAL EDUCATION TOOLS
FOR SECURITY RISK MANAGEMENT

This video is crated in frame of ERASMUS+ Cooperation partnership project «Digital education tools for security risk management»

Project number: 2021-1-LV01-KA220-HED-000023056

https://security.turiba.lv