

РААБЕ



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Module 7.

REGULATORY PRINCIPLES TO MONITOR THE APPLICATION OF RULES ENSURING HEALTHY AND SAFE WORKPLACES THROUGH ACCESSIBLE TOOLS OF DIGITAL TECHNOLOGIES

**SAFESENSE+: OCCUPATIONAL HEALTH AND SAFETY IN GREEN WORK
ENVIRONMENTS WITH A SENSITIVE APPROACH TO CLIMATE CHANGE**

PROJECT RESULT 1: CURRICULUM AND OPEN RESOURCE TOOLBOX



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Curriculum

AIM

Acquaint the trainees with the tendencies and benefits of use of ICT in the OHS monitoring and risk management in the context of the digitalisation era

Specific objectives:

- Enable trainees to take due account of the possibilities offered by ICT
- Help trainees to make decisions on necessary and feasible changes of OHS in their companies
- Encourage trainees to adopt innovative approaches and thus to keep up with the rapidly changing environment



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Curriculum (II)

LEARNING OUTCOMES

Knowledge:

- K1. Outline the main features of the concept of ICT risk management in OHS
- K2. Explain the benefits of ICT tools for OHS risk management
- K3. Gather information on latest technologies, trends and good practice
- K4. Present standardisation and policy framework in relation to information and communication technologies aspects



Curriculum (III)

LEARNING OUTCOMES

Skills:

- S1. Apply solutions for integration of ICT in OHS with regard to the company specifics and available resources
- S2. Maintain up-to-date OHS management system in line with the legal requirements
- S3. Design OHS system encompassing alternatives of organization, of technological integration, and systematic approach
- S4. Show the benefits of employing of innovations in the context of sustainable development



Curriculum (IV)

LEARNING OUTCOMES

Responsibility & Autonomy:

R1. Demonstrate commitment to continuous improvement in occupational safety

R2. Evaluate the factors that affect whether a company adopts an effective system

R3. Decide on the applicability and encourage their colleagues/peers for adopting of certain technologies and solutions

R4. Anticipate potential challenges to OSH and produce ideas to maximize the benefits of the new technologies, while ensuring safe working environments



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Tools

ICT IN OHS MONITORING AND RISK MANAGEMENT IN DIGITALIZATION

Part I

Introduction

Software Solution for OSH: Actions & Obligations

Software Solution for OSH: Training & Courses

Software Solution for OSH: Skills & Competences



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Tools (II)

ICT IN OHS MONITORING AND RISK MANAGEMENT IN DIGITALIZATION

Part II

Software Solution for OSH: Occupational Medicine & Health Care

Software Solution for OSH: Risks & Hazards

Software Solution for OSH: Processes & Quality

Software Solution for OSH: Sustainability & Environment



Tools (III)

ICT IN OHS MONITORING AND RISK MANAGEMENT IN DIGITALIZATION

Software Solution for OSH: Risks & Hazards

Risk assessment

- Creation of risk assessments for activities, systems, mental stress and hazardous substances
- Create operating instructions with subsequent employee training
- Develop templates for frequently recurring hazards

Hazardous materials management

- Create new or import existing hazardous substances
- Creation of a company-specific hazardous substance cadaster
- Planning of workflows and resubmissions for approval processes

First aid book

- Recording of incidents and (near) accidents with detailed information
- Creation of accident reports for the employers' liability insurance association
- Documentation of all incidents and (near) accidents



Tools (IV)

ICT IN OHS MONITORING AND RISK MANAGEMENT IN DIGITALIZATION

Software Solution for OSH: Risks & Hazards

Exercise: Wordsearch

In the grid the three main features of an ICT solution for the Risks & Hazards are hidden. Find them as fast as you can.

Words are hidden in a letter grid. Tap to a letter to find them.

Tap a hidden word

P	C	A	L	F	W	Q	Q	J	O	N	M	Y	Y	B	S	X	X
Y	B	R	L	K	Y	J	N	X	E	V	F	R	M	Q	E	Y	Y
W	W	D	T	Q	N	M	A	K	M	D	I	I	T	Z	T	Z	F
J	R	E	G	N	G	S	Y	M	L	W	R	S	I	O	O	D	X
P	E	L	Q	Q	K	V	D	X	K	V	S	K	K	M	S	V	D
E	Y	Z	M	G	Y	S	N	I	H	P	T	A	D	W	G	Q	X
Z	B	L	W	Y	E	G	X	Q	G	I	A	S	H	J	I	D	S
P	R	G	H	J	U	I	K	A	P	D	I	S	M	H	B	W	R
Y	H	W	H	M	M	R	D	C	B	S	D	E	R	J	D	I	T
Q	C	R	H	Y	P	R	V	T	K	L	B	S	R	K	N	O	F
P	F	I	H	Q	P	E	O	G	F	G	O	S	E	J	W	J	C
K	R	C	N	M	G	J	L	T	I	R	O	M	D	U	E	F	R
V	P	Z	P	H	N	G	M	N	V	C	K	E	Q	L	Q	D	F
O	H	E	K	Z	D	M	W	M	Y	E	O	N	S	P	N	R	T
W	H	J	S	E	X	M	I	H	C	K	W	T	G	I	K	K	M
G	R	G	T	U	F	H	O	V	D	C	A	W	S	O	G	X	Q
H	A	Z	A	R	D	S	M	A	N	A	G	E	M	E	N	T	L
V	V	D	V	X	B	D	C	O	T	I	C	D	L	J	D	I	S



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Tools (V)

ICT IN OHS MONITORING AND RISK MANAGEMENT IN DIGITALIZATION

Software Solution for OSH: Risks & Hazards





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Tools (VI)

ICT IN OHS MONITORING AND RISK MANAGEMENT IN DIGITALIZATION

Additional Resources

Resources by Health and Safety Index

The Health and Safety Index was created to provide a simple, affordable and reliable solution to enable organisations measure, focus and act on improvements that matter

<https://healthandsafetyindex.com.au/research-resources/>



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Thank you!

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