

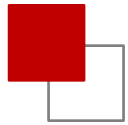
HRVATSKI ZAVOD ZA ZAŠTITU ZDRAVLJA I SIGURNOST NA RADU

Croatian Institute for Health Protection and Safety at Work



CONTEMPORARY APPROACH TO RISK ASSESSMENT IN CROATIA

Sonja Damjanović Dešić, Marija Bubaš, Zlatko Šarić



Importance of risk assessment



Legislation

1989.

Directive 89/391/EEC

OSH „Framework Directive”

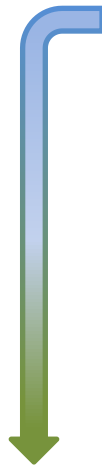
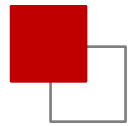
on the introduction of measures to encourage improvements in the safety and health of workers at work

1996.

**Occupational
Safety and Health Act**

1997.

**Ordinance on risk
assessment**



Ordinance on risk assessment

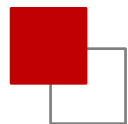
1997.



&



- team of at least three experts with technical backgrounds
- team leader had a background relevant to the type of activity
- occupational medicine specialist participated in the risk assessment – mandatory!



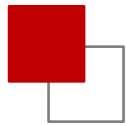
Training on risk assessment

1999.

Croatian Institute for Occupational Health

- risk assessment training for occupational medicine specialist





Checklists for detecting hazards at workplaces

2009.

Croatian Institute for Health Protection and Safety at Work



HRVATSKI ZAVOD ZA ZAŠTITU ZDRAVLJA I SIGURNOST NA RADU

Obilazak radnog mjesta

Plan mjera	
Specijalist medicine rada	Datum obilaska: _____ Sljedeći obilazak: _____

Poduzeće/pogon/odjel/radno mjesto: _____

Svrha ovog obrasca je određivanje odgovarajućih postupaka nakon što su pri obilasku radnog mjesta upotrebom kontrolne liste utvrđeni propusti ili problemi.

Utvrđeni problem	Stupanj važnosti	Opazanja Lokacija	Potrebno učiniti	Za buduće praćenje	
				Učinjeno	Datum kontrole

Stupac „Za buduće praćenje“ ispunjava se pri ponovnom/kontrolnom obilasku radnog mjesta.
 *Stupanj važnosti: O Opasna ili potencijalno smrtna opasnost koja zahtijeva trenutno rješavanje, bez obzira na utjecaj na radni proces u poduzeću
 VI/1.3 Ostali problemi **Važnosti 1.3** koje treba riješiti prema razini rizika i financijskim mogućnostima
 V3 = odmah potrebno provođenje mjera
 V2 = potrebno provođenje mjera u kratkoročnom razdoblju
 V1 = potrebno provođenje mjera u dugoročnom razdoblju
 LR **Lako Rješivi** problemi koji ne iziskuju financijska sredstva i koje bi trebalo odmah razriješiti.

Datum obilaska: _____ Datum izvješća: _____
 Ime i prezime (čitljivo): _____ Potpis: _____

Obilazak radnog mjesta

OBILAZAK RADNOG MJESTA

I

Osnovna kontrolna lista

Preje popunjavanja ovog dokumenta "Obilazak radnog mjesta" koji se sastoji od dva dijela: "Osnovna kontrolna lista" i "Plan mjera" potrebno je priložiti "Svjedecima za obilazak radnog mjesta".

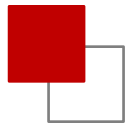
Specijalist medicine rada	Datum obilaska	Sljedeći obilazak
Podzračje:		
Pogoni/odjel:		
Radno mjesto:		
Ime:	Ime koji obilazi obilazak:	Funkcija:

Za kontrolu izvrga rada, opasnosti, bitnosti i napora na radnom mjestu kontrolne Osnovna kontrolna lista:
 - ukoliko mislite da su radni uvjeti zadovoljavajući a neki obilaznik zdravlja na prvotni označite "Z" (zadovoljavajuće)
 - ukoliko znate da su radni uvjeti nezadovoljavajući a neki obilaznik zdravlja postoji označite "N" (nezadovoljavajuće)
 - kao pomoć pri procjeni uvjeta na radnom mjestu koristite "Smjernice za obilazak radnog mjesta" - Odjeljak: Jasnoću opasnosti, bitnosti i napora
 - u kolonama "Napomena/primjedba" opišite stanje relevantno za radne uvjete i/ili obilaznik zdravlja

Obilazak radnog mjesta

Radni uvjeti/opasnost/bitnost/napor/rizik	Z	N
Općenito		
Mehaničke opasnosti		
Padaovi i neravja		
Opasnost od električne struje		
Ploče i klesanje		
Uvjeti i nesigurnost pri radu s materijalnim sredstvima		
Opasnost od padova		
Opasnost od udara i cijelo tijelo		
Opasnost od ozljeda i neozbranjavanja		
Opasnost od kiselih i alkalnih uvjeta		
Opasnost od prenošenja tereta		
Opasnost od poškodi		
Opasnost od lizanja		
Opasnost od zračenja		
Opasnost od opasnosti (mobing)		
Opasnost od opasnosti (prva pomoć)		
XX Edukacija i informiranje		
XXI Sigurnost i zaštita zdravlja		
XXII Prilazna radnika		
XXIII Ostalo: molim navesti		

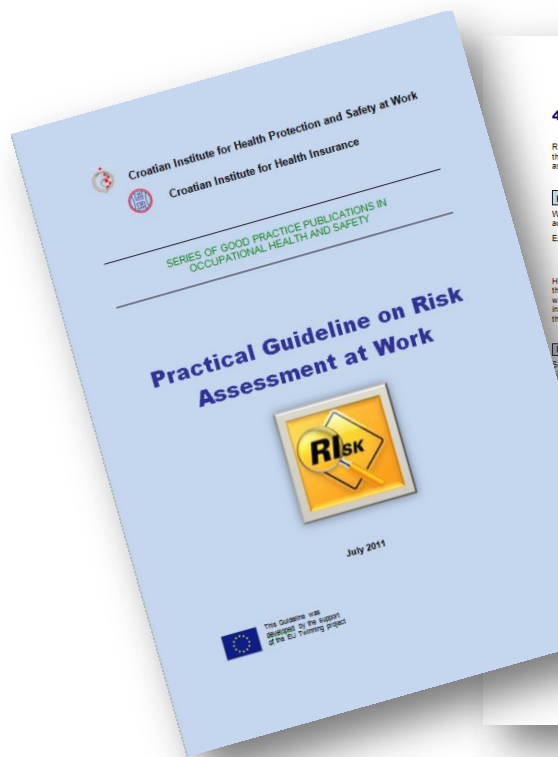
Napomena/Primjedba



Practical guideline on risk assessment at work

2011.

European Union's IPA Programme for Croatia 2007 Twinning Project Health and Safety at Work



4. Principles of risk assessment

Risk assessment and risk management have become a separate discipline. It introduces its own theories and principles, which should be understood and taken into consideration at risk assessment implementation.

Key principle: Zero risk does not exist

Workplace is never absolutely safe. Absolute safety does not exist. Safety means the state of acceptable risk level.

Example: Although there is a probability that certain hazard can cause an accident once in a thousand years, it is not possible to assess if this accident is to happen after a thousand years, a hundred years or tomorrow. Therefore, it is crucial to take measures immediately.

Having in mind the mentioned principle, workers should not consider any job as absolutely safe, they have to be aware all the time of the hazards of their job and should adjust their behaviour at work to the risks of their job. As to be able to behave in such a way, they need a relevant information on the existing hazards, or avoiding risks and on protection of their health. Therefore, the risk assessment would have no use if it would not be accessed to workers.

Principle: Risk assessment should be directed to all the aspects related to work

Safety and protection at work should be provided taking into consideration all the existing circumstances related to work, i.e. taking into consideration not only prevention of accidents, moving hazardous substances and factors, safety of technical equipment and processes, but also the situations that cause excessive physical, mental and sensory load or stress. It is also necessary to have in mind human factor, psychosocial aspects, stress and violence at the workplace. Everything undesirable at the workplace should be treated as a risk. Protection of workers, besides safety and health, should be focused on their satisfaction and social stability.

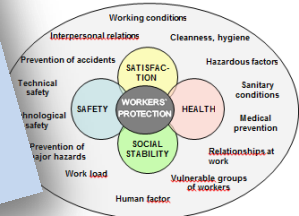
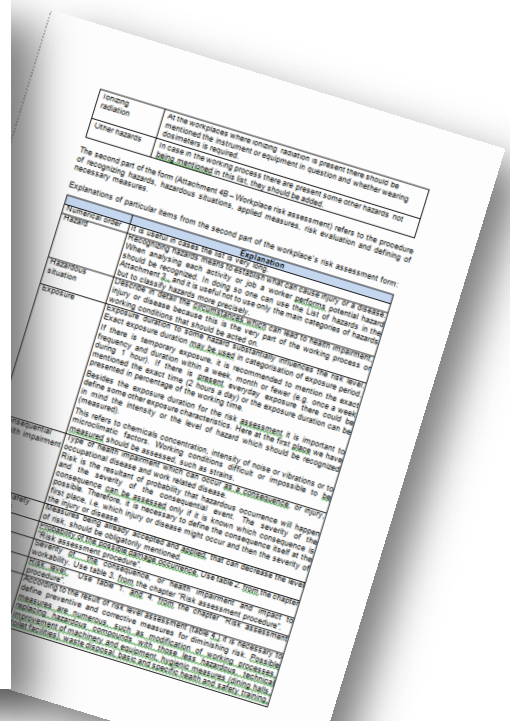
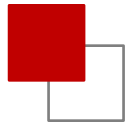


Figure 1. Aspects of work influencing workers' protection





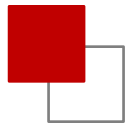
Legislation

2014.
**Occupational
Safety and Health Act**



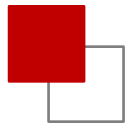
2014.
**Ordinance on risk
assessment**



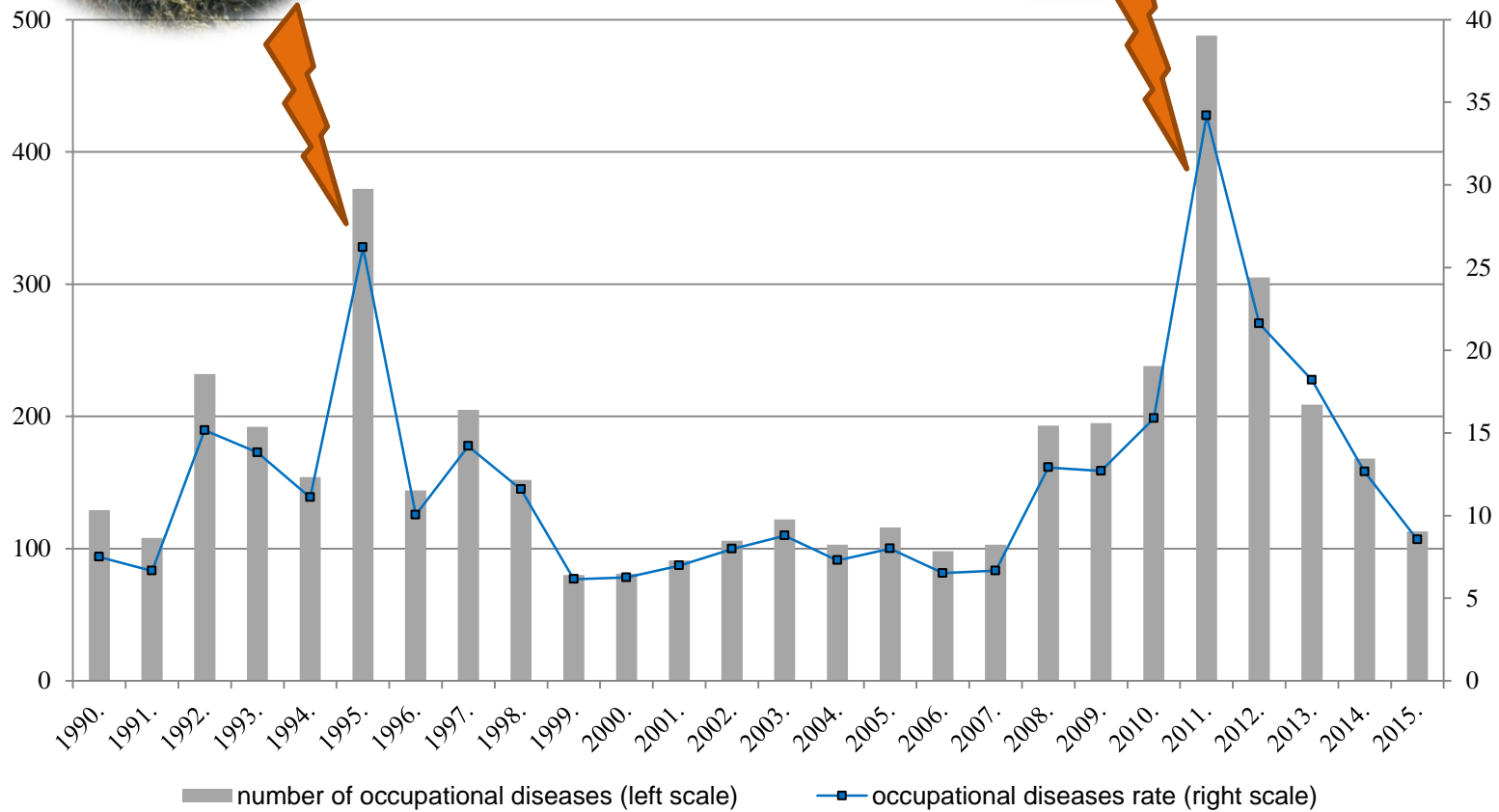


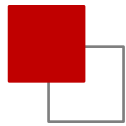
Workplace injuries and corresponding rates in Croatia





Occupational diseases in Croatia






















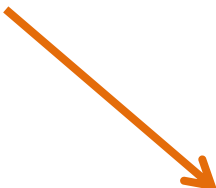
New era of risk assessment in Croatia

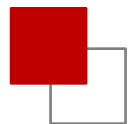


EU and national partners

Countries	Languages	Sectors	Tools	Partners
17	15	61	120	31

 EU level Sectors: 10 Tools: 12 Languages: 2	 Belgium Sectors: 4 Tools: 8 Languages: 2	 Bulgaria Sectors: 32 Tools: 33 Languages: 1	 Italy Sectors: - Tools: - Languages: -	 Latvia Sectors: 8 Tools: 9 Languages: 1	 Iceland Sectors: 2 Tools: 2 Languages: 1
 Croatia Sectors: - Tools: - Languages: -	 Cyprus Sectors: 5 Tools: 5 Languages: 1	 Czech Republic Sectors: 1 Tools: 1 Languages: 1	 Malta Sectors: 1 Tools: 1 Languages: 1	 Portugal Sectors: 7 Tools: 7 Languages: 1	 Lithuania Sectors: 6 Tools: 6 Languages: 1
 Finland Sectors: 1 Tools: 1 Languages: 1	 France Sectors: 4 Tools: 4 Languages: 1	 Greece Sectors: 7 Tools: 7 Languages: 1	 Slovenia Sectors: 17 Tools: 17 Languages: 1	 Spain Sectors: 4 Tools: 6 Languages: 2	





New era of risk assessment in Croatia

To be continued...



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