

# CROATIAN MINE ACTION CENTRE

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# SAFETY IN HUMANITARIAN DEMINEING

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2. NORMATIVE REFERENCES
3. SAFETY MEASURES
4. PROCEDURES IN CASE OF A MINE INCIDENT AT THE WORKSITE
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# 1. INTRODUCTION

SAFETY: reduction of risk to an acceptable level

SAFETY OF:

- direct performer,
- third parties,
- equipment and materials

Goal: safe area without mine incidents

GODINA	RAZ. POVRŠINA km <sup>2</sup>	MINSKI INCIDENTI				
		BR. INCID.	BR. STRAD.	S	TTO	LTO
2006.	24,78	0	0	0	0	0
2007.	27,12	3	3	1	1	1
2008.	33,11	3	3	1	2	0
2009.	37,87	2	3	1	1	1
2010.	31,81	3	3	2	0	1

## 2. NORMATIVE REFERENCES

- ❖ IMAS 10.10, 10.20, 10.30, 10.40 and 10.60
- ❖ LAW ON HUMANITARIAN DEMINING (National Gazette 153/05, 63/07 and 158/08),
- ❖ LAW ON S&OH,
- ❖ BOOK OF RULES AND REGULATIONS ON THE METHOD OF CONDUCTING HUMANITARIAN DEMINING OPERATIONS (National Gazette 53/07 and 111/07),
- ❖ STANDARD OPERATING PROCEDURES

## 3. SAFETY MEASURES

1. PREVENTIVE
2. RESTRICTIVE
3. SPECIAL

## 3.1. PREVENTIVE

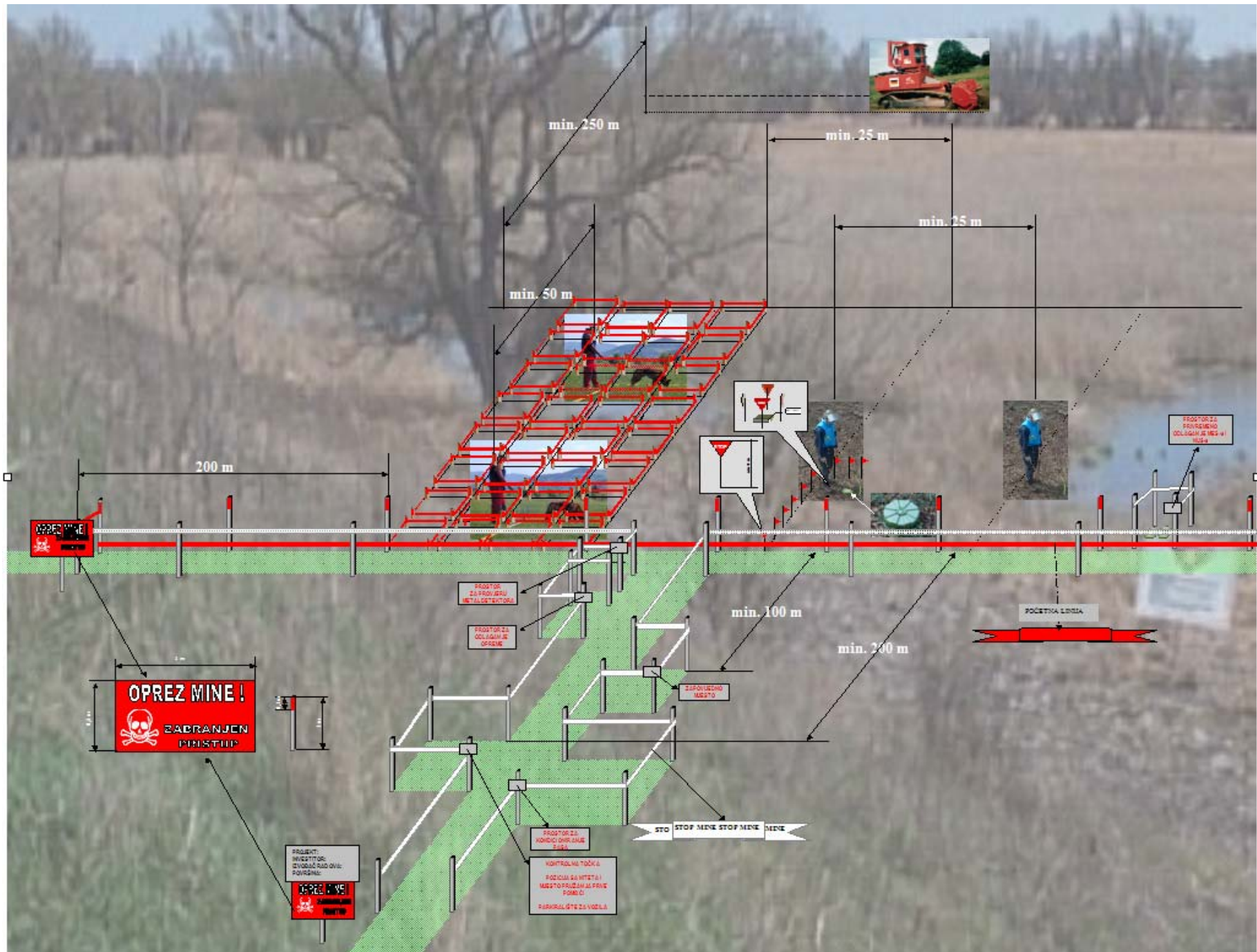
- ❖ TRAINING FOR:
  - CONDUCTING OF PRIMARY OPERATIONS
  - ADMINISTERING FIRST AID  
(8 classes with theory + 18 classes with practice)
- ❖ MENTAL, PHYSICAL AND HEALTH ABILITY,
- ❖ COMPLIANCE WITH RULES AND REGULATIONS
- ❖ PERMANENT SUPERVISION AND DISCIPLINE

## 3.2. RESTRICTIVE

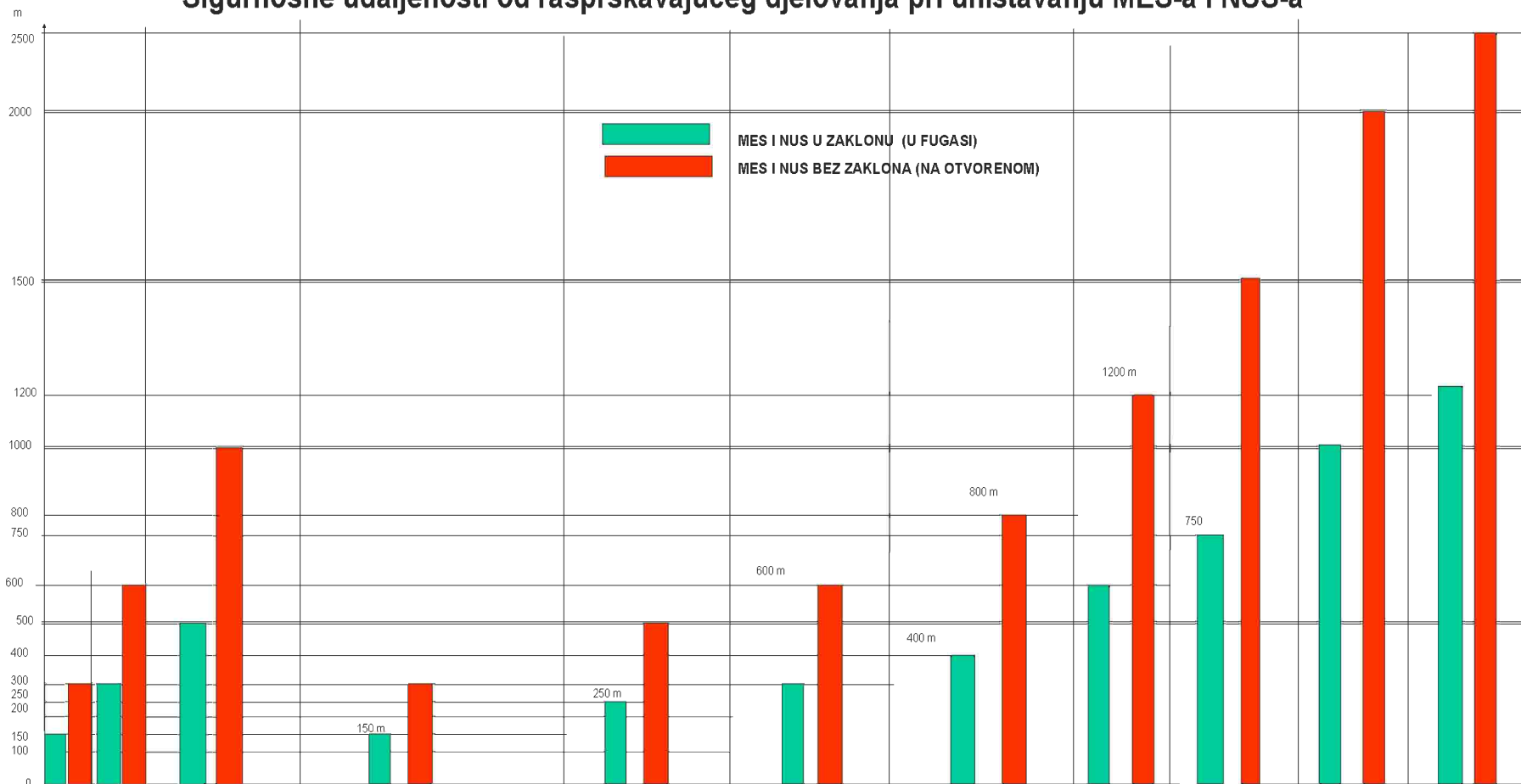
### ❖ SAFETY DISTANCE:

- DURING CONDUCT OF DEMINING OPERATIONS

- DURING MINE AND UXO DESTRUCTION



# Sigurnosne udaljenosti od rasprskavajućeg djelovanja pri uništavanju MES-a i NUS-a



PP MINE

NAGAZNE POTEZNE  
(lijevo) (desno)



PO MINE



Kumulativne rakete



Kumulativne mine



Tromblonske mine



Ručne bombe



Topničko streljivo i MB MINE do 76 mm



MB MINE i topnički projektili 76-105 mm



MB MINE i topnički projektili 105 - 122 mm



Topnički projektili 122-155 mm



Topnički projektili više od 155 mm



Avio bombe mase do 500 kg veće od 500 kg

## 3.3. SPECIAL

- ❖ WORKSITE MARKING
- ❖ FIRE-FIGHTING PROTECTION
- ❖ **MEDICAL SUPPORT**
- ❖ PROTECTIVE EQUIPMENT, DEVICES, TOOLS ...

## **3.3.1. MEDICAL SUPPORT**

- ENSURE URGENT MEDICAL HELP AT THE WORKSITE,
- DEFINE MEDICAL EVACUATION PATH (EXECUTION PROJECT),
- EDUCATION IN ADMINISTERING FIRST AID

## EVACUATION PROCEDURES

### - CASEVAC

LOCATION OF MINE INCIDENT  SAFE AREA  
ADMINISTERING FIRST AID

### - MEDEVAC

ADMINISTERING FIRST AID  HEALTH INSTITUTION

## 4. PROCEDURES IN CASE OF A MINE INCIDENT AT THE WORKSITE



**TEXT ANALYSIS**

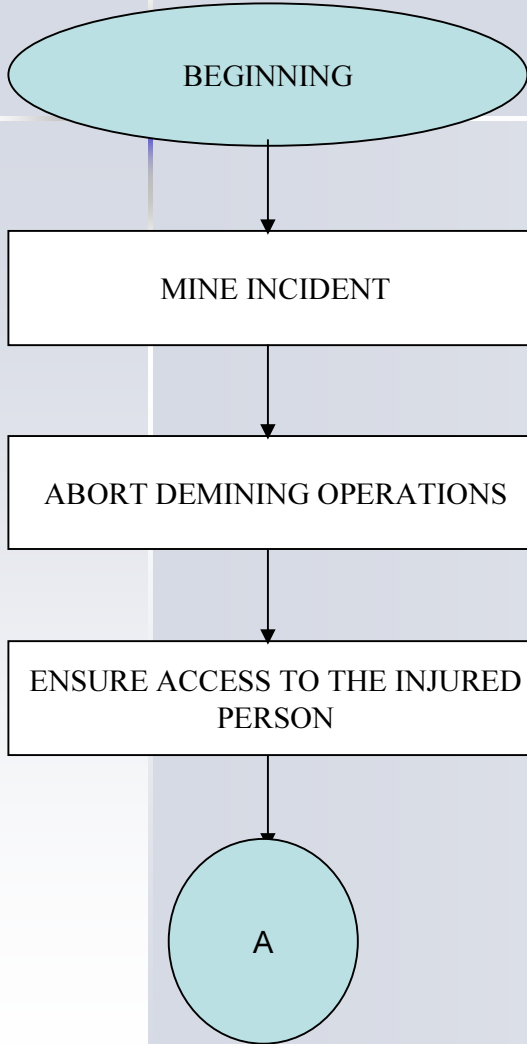
**RESPONSIBILITY**

**DOCUMENT LINK**

**FLOWCHART**

**EXECUTOR**

**CONTACT**



Abort demining operations and draw wounded deminer to safe area.

Worksite leader

Worksite leader

Perform manual detection to the injured person.

Deminer

Shift leader

SOP

**FLOWCHART**

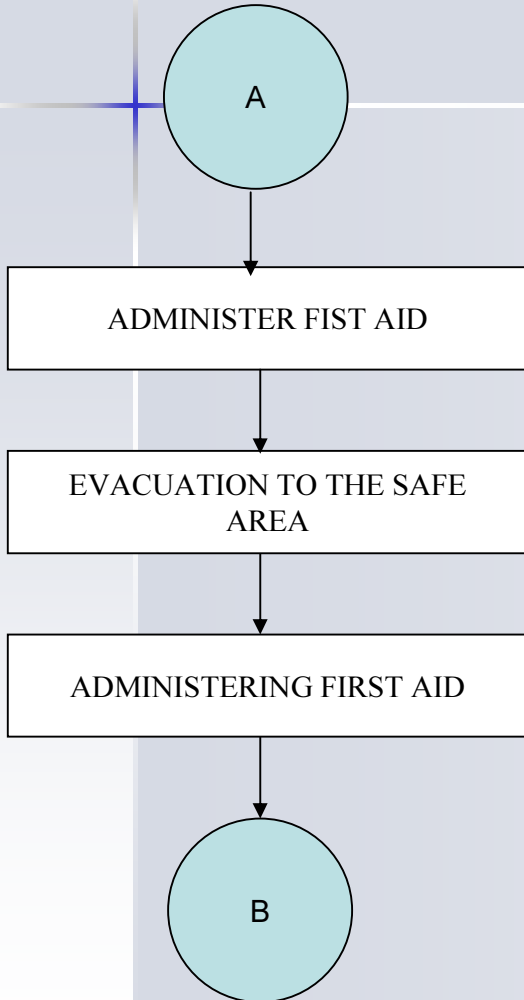
**TEXT ANALYSIS**

**RESPONSIBILITY**

**DOCUMENT LINK**

**EXECUTOR**

**CONTACT**



Deminer administers first aid in case of workplace incident.

Transport on a stretcher is performed by deminers.

Administering first aid, medical technician and physician.

Shift leader, Deminer

Shift leader, Deminer

Medical technician

Worksite leader

Worksite leader

Worksite leader

SOP

**TEXT ANALYSIS**

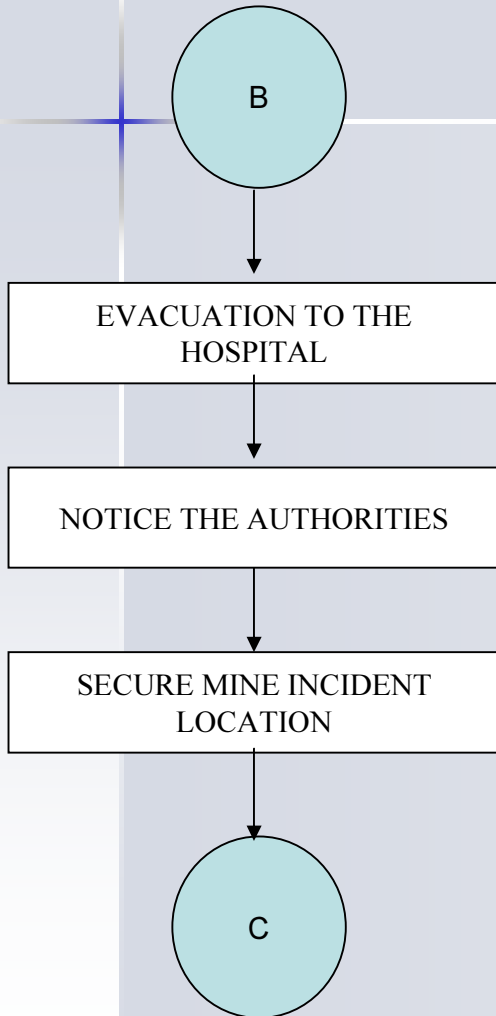
**RESPONSIBILITY**

**DOCUMENT LINK**

**FLOWCHART**

**EXECUTOR**

**CONTACT**



Transport with the ambulance to the hospital.

Notify demining company, police (investigating judge) and CROMAC.

Survey mine incident location (without moving anything).

Medical technician  
Driver

Worksite leader

Deminer,  
Worksite leader

Physician

Worksite leader

SOP

**FLOWCHART**

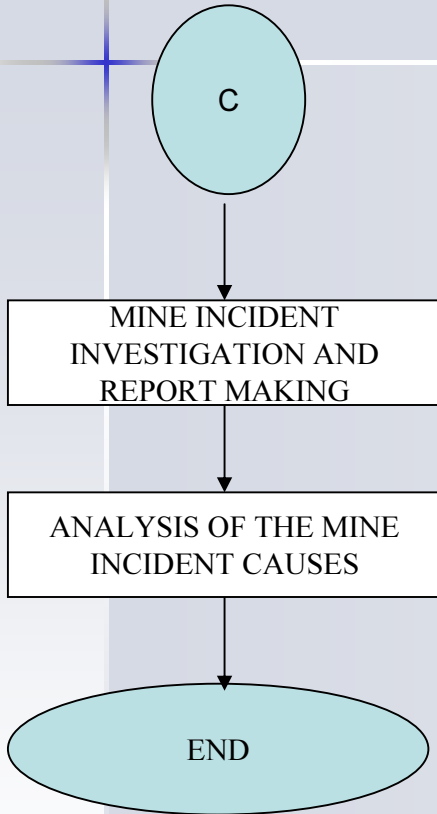
**TEXT ANALYSIS**

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**DOCUMENT LINK**



Inspection by the investigating judge and CROMAC

Training based on the results of analysis.

POLN

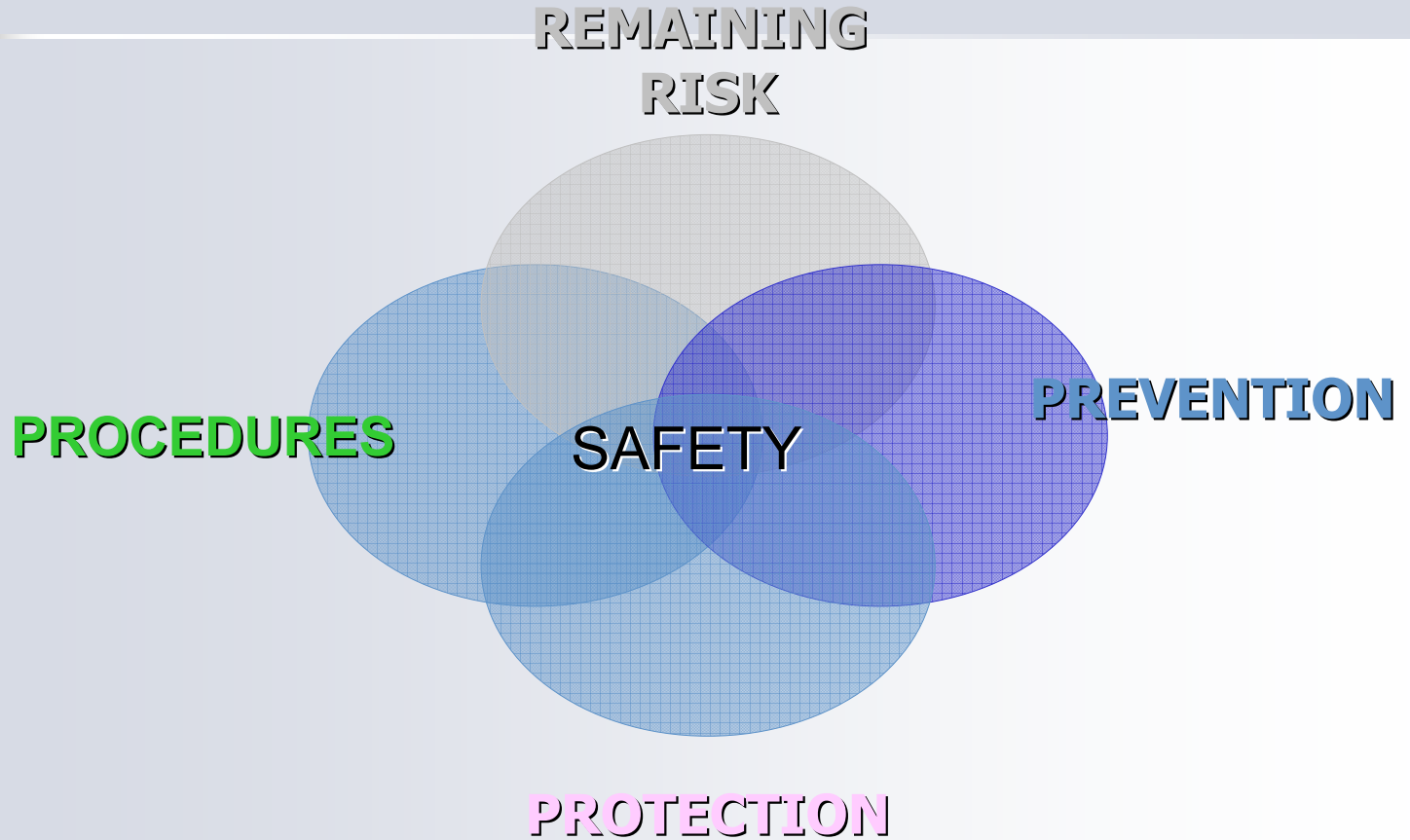
Worksite leader

Investigating judge

D

SOP

## 5. CONCLUSION





**HRVATSKI CENTAR ZA RAZMINIRANJE**

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