	STANDARD OPERATING PROCEDURE	SOP
	SURVEY OF MINE SUSPECTED AREAS AND/OR BUILDINGS	01.
	MARKING OF AREAS OF POTENTIAL UNEXPLODED ORDNANCE (UXO) DETECTION	01.02.01
HUMANITARIAN DEMINING		TO 523
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## INTRODUCTION

Marking of areas contaminated with unexploded ordnances (UXO) and monitoring of marking situation is a priority and primary task of the Croatian Mine Action Centre.

Marking, control of executed marking and improvements in marking of areas contaminated with UXO are being conducted continuously as separate operations or as part of implementation of other humanitarian demining operations.

In line with the above-mentioned, this standard operating procedure (SOP) represents an upgrade of the existing marking system and it stipulates the implementation of the following activities:

- placing UXO warning signs at the borderline or access roads to suspected areas when the terrains are inaccessible,
- removal of UXO warning signs upon the completed UXO removal and destruction operations aimed at enabling the use of areas.

This SOP about marking of locations where there is a possibility of detecting unexploded ordnances, puts a special emphasis on the timeliness in the execution of marking of the areas with UXO danger as well as realization of co-operation between CROMAC and local administration and self administration units and other beneficiaries of UXO contaminated areas in their mutual informing of the status, changes arisen and sustaining marking as joint responsibility.

Based on the developed marking system of UXO contaminated areas, this SOP is prescribed for the purpose of sustaining the system and more efficient informing of citizens about the areas of danger.

Sector for operations will be conducting an analysis of applicability of the SOP, recognizing the need for amendments and performing an approximation of the SOP with the laws regulating the operations similar to these.

# MARKING OF UXO CONTAMINATED AREAS

## 1. SCOPE OF APPLICATION

The SOP on marking the areas of the potential UXO detection prescribes the overall activities of marking operations and fencing of areas and facilities conducted by the Croatian Mine Action Centre.

The SOP prescribes the criteria for quality marking of areas and facilities contaminated with UXO and the ones where there is a possibility of UXO detection.

The document for marking of the area, its contents and instructions on filling in with relevant data is prescribed as the Appendix to the SOP.

## 2. REFERRING TO OTHER STANDARDS

This SOP is based on the Law on Humanitarian Demining and Rules and Regulations on Standard Operating Procedures of marking of mine suspected areas (SOP 01.02), class: 012-01/08-01/10, ref.no: 530-117-06/1-08-03 that entered into force on June 17, 2008.

## 3. GENERAL REQUIREMENTS AND MARKING METHODS

Marking of areas and facilities with the potential UXO detection is conducted by CROMAC by placing UXO hazard signs according to graphic presentation given in the Appendix A.

### UXO hazard sign

UXO hazard sign represents the basic way of marking the areas of potential UXO detection. UXO hazard sign is a clear visual warning of a serious UXO hazard as well as the way of warning the citizens of the potential UXO detection.

UXO hazard sign is placed at possible access points to the assumed UXO contaminated area (roads, paths and other areas used by people).

UXO hazard sign is placed in prominent positions and it must be visible and recognized from a distance of at least 50 m.

### Hazard sign layout

A UXO hazard sign is made of aluminum plate; its dimensions are 600 X 400 mm.

Bearing iron structure consists of a pipe (vertical sign pillar) 2000 mm long and two transversal metal pipes or laths 15x15x500 mm (see Appendix A).

Installation method and layout of hazard sign placed are presented in the Figure 1, Appendix A.

The background of the board is white.

The text is in the red frame (5 mm thick). The frame is 2 cm away from the sign edge. (see the Appendix). In the central part of the sign, there are white skull and crossbones on a red background. There are the photographs of a mortar shell and a rifle grenade on the left of a white skull with crossbones (black on white background) while the photograph of a cluster bomblet KB-1 is on the right of the white skull with crossbones (black on white background).

There is the red CROMAC logo on the right bottom of the sign.

Apart from being placed on an iron pillar, UXO hazard sign can also be placed on a building, column, rock, trunk of a tree etc.

Detailed sign layout with positioning of text and pictures is given in the Appendix of this SOP.

#### **4. PLANNING OF MARKING OPERATIONS**

In line with Rules and Regulations on Standard Operating Procedures of marking mine suspected areas, class: 012-01/08-01/10; ref.no: 530-117-06/1-08-03.

#### **5. EXECUTION OF MARKING OPERATIONS**

In line with Rules and Regulations on Standard Operating Procedures of marking mine suspected areas, class: 012-01/08-01/10; ref.no: 530-117-06/1-08-03.

#### **6. ANALYSIS, CONTROL AND VERIFICATION OF REPORT ON MARKING THE MSA**

In line with Rules and Regulations on Standard Operating Procedures of marking mine suspected areas, class: 012-01/08-01/10; ref.no: 530-117-06/1-08-03.

#### **7. MSA MARKING CRITERIA**

In line with Rules and Regulations on Standard Operating Procedures of marking mine suspected areas, class: 012-01/08-01/10; ref.no: 530-117-06/1-08-03.

#### **8. MARKING SYSTEM MAINTENANCE**

In line with Rules and Regulations on Standard Operating Procedures of marking mine suspected areas, class: 012-01/08-01/10; ref.no: 530-117-06/1-08-03.

#### **9. REPORTING AND REGISTERING INTO MIS**

In line with Rules and Regulations on Standard Operating Procedures of marking mine suspected areas, class: 012-01/08-01/10; ref.no: 530-117-06/1-08-03.

#### **10. APPENDIX TO THE SOP**

Appendix A: Sign layout

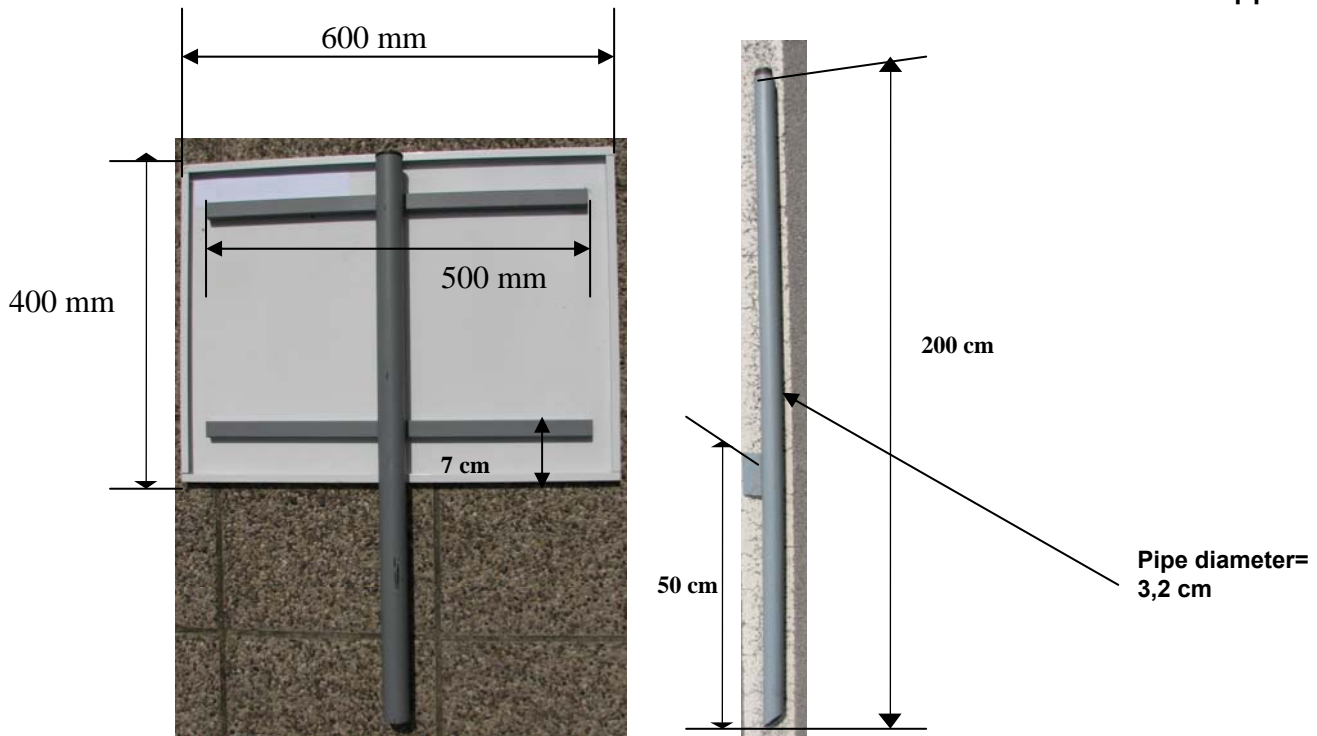


Figure 1: Layout of sign background and pillar



Figure 2: Dimensions and positions of text and pictures on the sign