



**HRVATSKI CENTAR ZA RAZMINIRANJE**

**The Convention on the Prohibition of the Use,  
Stockpiling, Production and Transfer of Anti-  
Personnel Mines and on Their Destruction**

## **REQUEST**

**for an extension of the deadline for  
completing the destruction of anti-  
personnel mines in mined areas in  
accordance with Article 5,  
paragraph 1**

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## 1. Origins of the Article 5 implementation challenge

- Origins of the problem
  - War between 1991-1995
  - II World War
  - 14 out of 21 county
  
- Mine Ban Convention
  - signed December 4, 1997
  - Entered into force March 1, 1999
  - deadline March 1, 2009

## 2. Nature and extent of Croatia's challenge: quantitative aspects

- 1996 – UNMAC estimation 13.000 km<sup>2</sup>
- 1998 – CROMAC established 5.980 km<sup>2</sup> (11.228 minefield records)
- 2000 – National Plan 4.000 km<sup>2</sup>
- 2003 – CROMAC SOP's 1.350 km<sup>2</sup>
- 2005 – General survey 1.147 km<sup>2</sup>
- 2007 – Revision of GS 997 km<sup>2</sup> (14.526 warning signs)

### 3. Nature and extent of Croatia's challenge: qualitative aspects

- Mine incidents
  - 1991-1995
  - 1996-1998
  - 1999-2007
  
- Priorities in previous periods
  - houses for reconstruction
  - infrastructure
  - turistic destinations
  - agricultural land

## 4. Methods used to identify areas containing AP mines and reasons for suspecting the presence of AP mines in other areas

- CROMAC database + data collected from MoD, MoI, AKD Mungos, UNMAC
  - General Survey
  - Technical Survey
  - Demining
  
- Result of these activities
  - The size and dispersion of MSA
  - The structure of MSA
  - Information on minefields placed
  - The structure of MSA according to method of conducting demining activities

## 5. National demining structures

- 1991-1995 – Croatian Army, MoI
- 1996-1998 – UNMAC, AKD Mungos (Law on demining)
- 1998 – CROMAC
  - collecting and processing data
  - planning of demining operations and organizing public tenders,
  - MSA marking,
  - drafting of demining and technical survey projects,
  - quality assurance and quality control,
  - issuance of demining certificates,
  - co-ordination of MRE and MVA activities,
  - international co-operation.
- 2000 – National Mine Action Program

## 6. Nature and extent of progress made: quantitative aspects

- Demined
  - 1991-1997 – 40 km<sup>2</sup>
  - 1998-2007 – 226,5 km<sup>2</sup>
- Destroyed 1999-2007
  - APM 26.570
  - ATM 19.860
  - UXO 202.166
- Reduced with General & Technical Survey
  - 583,1 km<sup>2</sup>

## 7. Nature and extent of progress made: qualitative aspects

- 40 road and railway bridges
- 200 km of highway
- 350 km of state and county roads
- 200 km of railway lines with 21 railway stations
- 300 km of channels and dikes
- Water supply system
- Electro-distribution network
- Oli pipelines
- Telecommunication facilities
- Turistic destinations
- Parts of the National Parks and Parks of Nature
- 14.500 big warning signs
- 187 mine victims

## 8. Methods and standards used to release areas known or suspected to contain anti-personnel mines

- General Survey
- Technical Survey
- Demining
  - Mine clearance
    - Manual mine detection
    - Using mine clearance machines
    - Using mine detection dogs
  - Mine searching
    - Manual mine detection
    - Using mine clearance machines
    - Using mine detection dogs

## 9. Methods and standards of controlling and assuring quality

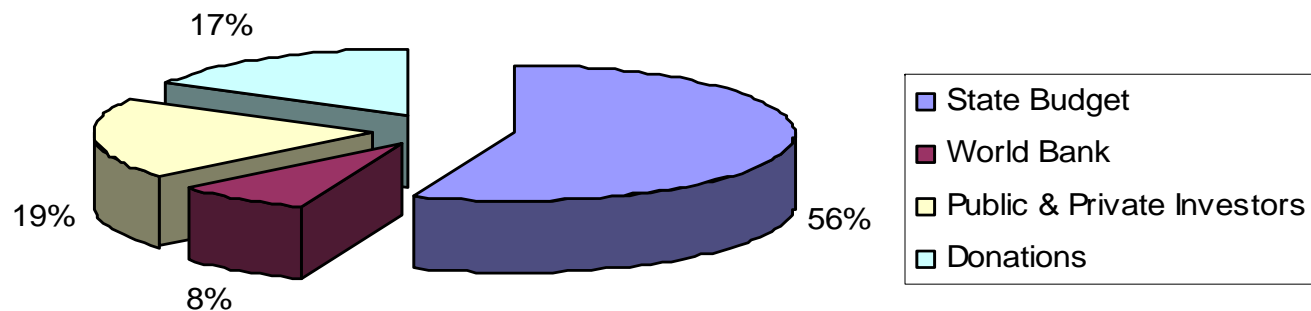
- CROMAC
  - 1998 – 5 QA inspectors (sampling 0,5%)
  - 2003 – 9 QA inspectors, 9 QA officers
  - 2007 – 11 QA inspectors, 23 QC monitors (sampling 1%)
  - Company accreditation
- CROMAC CTDT
  - Testing and certification of:
    - Demining machines
    - MDD
    - methaldetectors
    - Protective equipment
- Ministry of Interior
  - Administrative and inspection supervision

## 10. Efforts undertaken to ensure the effective exclusion of civilians from mined areas

- Marking and fencing of MSA
  - CROMAC
- Mine risk education
  - CROMAC
  - Ministry of Foreign Affairs
  - Croatian Red Cross
  - International organizations (UN, ICRC, UNHCR)
  - NGO's
  - Other ministries

## 11. Resources made available to support progress made to date

- State budget €183.8 mill.
- Private investors €63.7 mill.
- Donors €55.7 mill.
- World Bank loans €27.8 mill



## 12. Circumstances that impede compliance in a 10 year period

- 1999 - size of mine problem 5.980 km<sup>2</sup>
- Average price 1,86 €/m<sup>2</sup>
- 11,1 billion €
- No minefield records
- Big UXO problem
- Prime task – setting the priorities

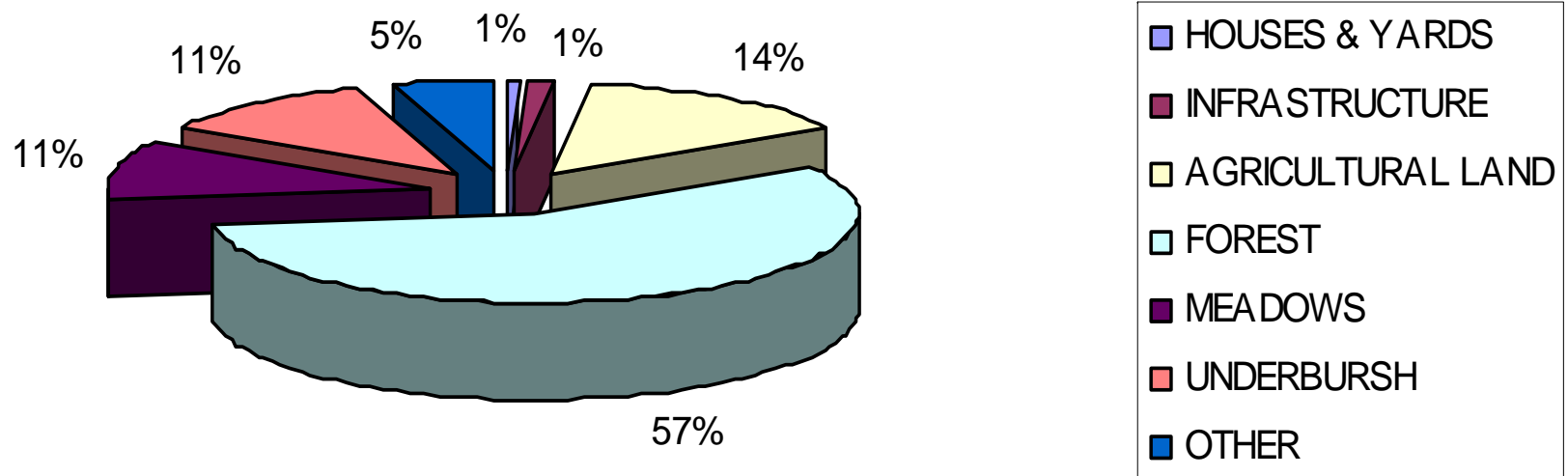
## 13. Humanitarian, economic, social and environmental implications

| Group          | I Subgroup                      | II Subgroup                         | III Subgroup                         |
|----------------|---------------------------------|-------------------------------------|--------------------------------------|
| SAFETY         | Schools, hospitals, playgrounds | Areas near settlements              | Forests near settlements             |
|                | Settlements                     |                                     |                                      |
|                | Turistic destinations           |                                     |                                      |
|                | Safety area near factories      |                                     |                                      |
|                | All known minefields            |                                     |                                      |
| SOCIO-ECONOMIC | Houses for reconstruction       | Agricultural land II category       | Agricultural land III category       |
|                | Agricultural land               | Infrastructural objects II category | Infrastructural objects III category |
|                | Infrastructural objects         | Parts of forests                    | Parts of forests                     |
|                | Parts of forests                |                                     |                                      |
| ECOLOGY        | Nacional parks                  | Parts of parks of nature            | Parts of parks of nature             |
|                | Wild depos                      | Forests for special purposes        |                                      |
|                | Fire protection                 |                                     |                                      |

## 14. Nature and extent of the remaining Article 5 challenge: quantitative aspects

- MSA 997 km<sup>2</sup>
- 12 counties – 112 municipalities
- 834.000 affected citizens
- 7.247 minefield records
- 237.939 mines
- Unknown number of UXO

## 15. Nature and extent of the remaining Article 5 challenge: qualitative aspects



## 16. Amount of time requested and a rationale for this amount of time

- Size of MSA
- Available financial resources
- Demining capacities
- 10 years

## 17. Detailed work plan for the period of the requested extension

- Demining of all registered minefields and the ones yet to be discovered in the future period,
- Completely remove mine danger from areas for the reconstruction of houses and infrastructure, agricultural areas, meadows and pastures,
- Maintain marking of mine suspected area through all phases,
- Mine risk education programs should cover the entire population living and/or working in mine suspected areas or gravitate towards them,
- Continue providing care and rehabilitation including psycho-social rehabilitation and economic reintegration to all mine victims.

## 18. Institutional, human resource and material capacity available



✓ 29 Commercial companies

✓ 1 NGO

✓ Deminers – 568

✓ Demining machines - 45

✓ Mine detection dogs – 76

✓ Metal detectors - 708