Implementation of the National Program

to meet the requirements of the

“CONVENTION ON THE PROHIBITION OF THE USE,
STOCKPILING, PRODUCTION AND TRANSFER
OF ANTIPERSONNEL MINES
AND ON THEIR DESTRUCTION”

COL STOITCHKOV – Chief of Engineer Department, J3

ANTI-PERSONNEL MINES

PRODUCED IN THE REPUBLIC OF BULGARIA...

PM-79
POMZ-2
MON-100
MON-200
PSM-1
ANTI-PERSONNEL MINES
IMPORTED TO THE REPUBLIC OF BULGARIA...
FROM OTHER COUNTRIES

PMN
OZM-3
SHr-II
PM-79
PSM-1
SHr-2
OZM-3
PMN
MON-50
OZM-3
SHr-II
PM-79
PSM-1
SHr-2
OZM-3
PMN
MON-50
MON-200
MON-100

STOCKPILES OF ANTI-PERSONNEL MINES
BEFORE AND DURING THE EXECUTION OF THE NATIONAL PROGRAM...

Availability of different kinds of APMs in the beginning of each annual period (x 1000)
**RATIFICATION** (29.07.1998)

**RESULT:** Departmental (Bulgarian Armed Forces) Program for implementation of the Mine Ban Convention

**RESULT:** National Program for implementation of the Mine Ban Convention (16.09.1999)

**EXECUTION:**
- “TEREM” LTD – Kostenec
- “DUNARIT” LTD - Rouse

Report according to §7 of Mine Ban Convention to the UN SG

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**National Program of the Implementation of the Mine Ban Convention**

CHAPTER I

The Convention and the responsibilities of the Republic of Bulgaria for its implementation

CHAPTER II

Main tasks and a project to meet the obligations of Bulgaria connected with Convention implementation

APPENDIXES:

1. Technical description of all antipersonnel land mines stockpiled in Bulgarian Armed Forces;
2. General description of the process of dismantling APM;
3. Methods for destruction and utilization of APM using available factory technologies;
4. Safety measures for APM destruction;
5. Environmental protection measures.
METHODS OF NEUTRALIZATION THE APMs:

RESULTS:

NEUTRALIZED APMs (quantity):
- TOTAL - 885 872
  - OF WHICH:
    - DISCHARGED - 832 000
    - DETONATED – 53 872 (MON-50; PFM-1C and charges of PSM-1)

FINANCIAL RESOURCES ($ USD):
- PLANNED IN THE NATIONAL PROGRAM - 1 398 100
- ACTUALLY EXPENDED - 1 553 400
- AVERAGE EXPENDITURES (FOR ONE NEUTRALIZED MINE) - 2.50 - 4.00
- RETURN FROM REUSED MATERIALS - 8% - 9%
AVAILABLE STOCKPILES OF APMs

PERMITTED – ACCORDING TO ARTICLE 3 OF THE MINE BAN CONVENTION

Available stockpiles of different kinds of APMs in the beginning of each annual period

STRUCTURE OF EDUCATION

Defence and Staff College
National Military University
BU Army

SFIR
KFOR
EUFOR
SFOR
**MAIN TENDENCIES OF EDUCATION**

STUDY OF THE MINE BAN CONVENTION
and CORRESPONDING STANDARDIZATION DOCUMENTS

DETECTION of APMs

MARKING and DOCUMENTATING APMs FIELDS

DEMINING APMs FIELDS
DESTRUCTING APMs

**WHAT IS DIFFERENT...?**

Prior to ratification of the Convention...

- AWARENESS OF THE APMs IN USE IN THE BAF AND
  TECHNIQUES FOR DEPLOYING VARIOUS AP-MINEFIELDS;
- AWARENESS OF THE APMs USED BY THE POTENTIAL
  ENEMIES AND TECHNIQUES FOR DEALING WITH THE
  DEPLOYED THEIR AP-MINEFIELDS.

Subsequent to ratification of the Convention...

- AWARENESS OF THE APMs USED IN THE AREAS OF THE
  MISSIONS IN A VIEW TO FORCE PROTECTION;
- AWARENESS OF APPLICATION TECHNIQUES FOR DEMINING
  AP-MINEFIELDS LEFT AFTER MOs DURING PKOs;
  DEFUSING SINGLE MINES AS A KIND OF UXO, AND APMS
  USED AS A COMPONENT OF IED.
PARTICIPATION IN HUMANITARIAN OPERATIONS and EOD-activities

SFOR – Bosnia and Herzegovina
CROMAC - Croatia
EOD

NEW DETECTION METHODS AND DEVICES

PERSONAL DEVICE FOR EXPLOSIVES LOCALIZATION - SNIFFEX®

TECHNICAL CHARACTERISTICS:

- Quantity of detected explosives:
  - minimum: ≥ 50 g.;
  - maximum: Unlimited

- Detection distance, m:
  - minimum: ≤ 2;
  - maximum: ≥ 5-10

- Detection rate: ≥ 80 %

- False rate: ≤ 20 %

- Weight of the Personal Device: ≤ 600 g

- Storage temperature: -30°С ÷ + 65°С

- Operational temperature: -20°С ÷ + 50°С

- Overall dimensions of the Personal Device, mm:
  - length: ≤ 130;
  - width: ≤ 38;
  - height: ≤ 28

- Antenna length in folded position: 120
- Antenna length in operating position: 450

Detect:
- Gun powder;
- RDX (Semtex);
- C4;
- TNT;
- Dynamite;
- Nitro Glycerin;
- PENT;
- Ammonium Nitrate/Diesel (500 g);
- Ammonium Nitrate.
INTERNATIONAL PROJECT

“TECHNOLOGIES FOR DISCHARGING, EXTRACTION AND UTILIZATION OF USEFUL MATERIALS FROM AVIATION, MATITIME, ENGINEER AND ARTILLERY AMMUNITIONS, LOCATED ON THE TERRITORY OF THE REPUBLIC OF BULGARIA”

NATO code: sfp - 0544

CONCLUSION

REPUBLIC OF BULGARIA:

1. ... both financed and implemented the National Program independently

2. ... did not rely on any support from other countries, and did not ask assistance from regional and international forums connected with the implementation of the Convention;

3. ... destroyed the stockpiles of APM, and it does not produce and transfer any APMs;

4. ... has a technology for “discharge” of APMs and other explosives;

5. The officers of the Bulgarian armed forces are taught on the Convention... and how to exercise control on the subordinate structures to execute tasks on APMs;

6. The Engineer Specialists of the Bulgarian armed forces (sappers; sappers reconnaissance; EOD and IEDD specialists) are trained to execute activities related to APMs;

7. ... The quality of the training of the officers and specialists at each level and the qualification level they attain permit them to participate successfully in missions
QUESTIONS ?

THANK YOU FOR YOUR ATTENTION !!!