



MINISTRY OF DEFENCE - REPUBLIC OF CROATIA
DEFENCE POLICY DIRECTORATE
ARMS POLICY SECTION



CONVENTION ON CLUSTER MUNITIONS

STOCKPILE DESTRUCTION PROGRESS REPORT

Geneva 16-19 April, 2012

Presented by:
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Norwegian People 's Aid SHADOW PROGRAM- 2011

- NPA Feasibility assessment and proposal (accepted by MOD)
- 26 June – 07 July, 2011 Reaserch & Development Phase

Goals and objectives:

The intention of the R&D phase was to disassemble at least one of each type of cluster munition (and their submunitions), with the following aims:

- Establish the precise internal structure of the weapons;
- Conduct experimental demolition processes;
- Determine what destruction options exist for a possible implementation phase;
- Create inert training aids to be used in future phases.

Aerial bomb - Disassembly

Pleso military airfield complex - Zagreb



The M93 DPICM submunition



Each submunition type was broken down into its component parts

Norwegian People 's Aid **SHADOW PROGRAM – R&D phase**

Demolition and burning trials conducted at the proving ground Slunj



Setting up the burning trial with submunition
bodies placed in soil-filled crates

Norwegian People 's Aid SHADOW PROGRAM – R&D phase



BL-755 bodies, completely burned out.
The PTAB-2.5M burn was also
successful



The trial failed to ignite the explosive in
the AO-1SCh and KB-1 bodies
Demolition – better option unless
different burning technique is identified

Norwegian People 's Aid SHADOW PROGRAM – R&D phase

CONCLUSIONS

The R&D phase was a great success with each type of cluster munition and submunition disassembled and some valuable insights from the demolition trials.

Viable destruction options were identified

Disposal techniques SOP's will act as the basis for planning of the final disposal stage on large scale and assist in financial and timeline considerations.

September 13th 2011 Storage Complex Padene



CM stocks destroyed

5 km radius affected

Exploded & unexploded
ordnance

RESULT OF THE INCIDENT

Among other munitions and ordinance destroyed all declared non-perspective for future use

- 68 Aerial bombs BL-755
- 77 Aerial bombs RBK-250 PTAB-2,5M
- 8 Aerial bombs RBK-250 ZAB 2,5M (incendiary)

An area of 5 km radius contaminated

Support Command, AF & AD units and Engineering Battalion personnel are sanitizing the area

No casualties due to the incident

CLUSTER MUNITIONS STOCKPILE DESTRUCTION - 2012

- All Cluster munitions will be transferred to 3 locations
- Safety, capability for disassembly and closer proximity to the actual disposal site
- 14 pcs. for training and static displays at the military museums will be disassembled and all explosive parts disposed - Article 3 (6)
- Development of SOP's for the final stage of CM destruction

RETENTION OF DISARMED CLUSTER MUNITIONS FOR TRAINING PURPOSES AND STATIC DISPLAYS AT THE MILITARY MUSEUMS

Form C Cluster Munitions retained or transferred

Article 3.8. States Parties retaining, acquiring or transferring cluster munitions or explosive submunitions for the purposes described in paragraphs 6 and 7 of this Article shall submit a detailed report on the planned and actual use of these cluster munitions and explosive submunitions and their type, quantity and lot numbers. If cluster munitions or explosive submunitions are transferred to another State Party for these purposes, the report shall include reference to the receiving party. Such a report shall be prepared for each year during which a State Party retained, acquired or transferred cluster munitions or explosive submunitions and shall be submitted to the Secretary-General of the United Nations (...)."

State [Party]: THE REPUBLIC OF CROATIA reporting for time period from JAN 01, 2011 to DEC 31, 2011

2. Type of cluster munitions or explosive submunitions RETAINED in accordance with Article 3(6)

Cluster munition type	Quantity	Lot number	Explosive submunition type	Quantity	Lot number	Planned use	Supplementary information
MRLS M87 ORKAN 262mm	2 (X288)		KB-1			The Croatian Armed Forces are planning to keep a total of 14 bombs for training and educational purposes, including some for the static display at the military museum. All cluster bombs will be disassembled and disarmed, with all explosive components removed during the stockpile destruction process.	
Air bomb BL-755	3 (X147)		MK-1				
Air bomb RBK-250 PTAB-2,5M	3 (X42)		PTAB-2,5M				
Air bomb RBK-250 275 AO-1 SČ	3 (X150)		AO-1 SČ				
Air bomb RBK-250 ZAB-2,5M	3 (X48)		ZAB-2,5M			NOT ACTUAL RETENTION	
Total:	14		Total:			These Cluster munitions are already Included in Form B	

PLANING THE FINAL STAGE OF STOCKPILE DESTRUCTION PROGRAM

- Large scale disposal (remaining stocks)
- Approximately 110 tons in total
- MOD and NPA officials searching for financial resources needed (300.000 euros)
- MOD and General Staff alternative plan for period 2013 – 2018 to destroy all CM stocks with own resources