



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



CONVENTION ON CLUSTER MUNITIONS

STOCKPILE DESTRUCTION PROGRESS REPORT

Geneva 15 April, 2013

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Norwegian People's Aid

SHADOW PROGRAMME - 2011

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

Goals and objectives:

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

- Establish the precise internal structure of the weapons;
- Conduct experimental demolition processes;
- Determine which are 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 submunitions type was broken down into its component parts

Norwegian People's Aid *SHADOW PROGRAMME – 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 PROGRAMME – 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 techniques are identified

Norwegian People's Aid

SHADOW PROGRAMME – 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.

September 13, 2011

Storage Complex Pađene



- CM stocks destroyed
- 5 km radius area was affected and contaminated with UXO's
- Exploded & unexploded ordnances

RESULT OF THE INCIDENT

Among other munitions and ordnances 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)
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- An area of 5 km radius affected and contaminated
 - Support Cmd, AF & AD units and Engineering Battalion personnel are sanitizing and cleaning the area (the plan is to clean the contaminated area up to the end of 2013.)
 - No casualties due to the incident

CLUSTER MUNITIONS STOCKPILE DESTRUCTION - 2013

- *All Cluster munitions:* are transferred to 2 locations
- *14 pcs of CM:* 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 disassembly and destruction during 2013 -2014 by techniques OB/OD (open burning and open detonation) and industrial demilitarization

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, 2012 to DEC 31, 2012

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

Cluster munitions type	Quantity	Lot number	Explosive submunition type	Quantity	Lot number	Planned use	Supplementary information
MRLS M87 ORKAN 262mm	2		KB-1	(2X288)		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		MK-1	(3X147)			
Air bomb RBK-250 PTAB-2,5M	3		PTAB-2,5M	(3X42)			
Air bomb RBK-250 275 AO-1 SČ	3		AO-1 SČ	(3X150)			
Air bomb RBK-250 ZAB-2,5M	3		ZAB-2,5M	(3X48)		NOT ACTUAL RETENTION	
Total:	14					These Cluster munitions are already Included in Form B	

PLANNING THE FINAL STAGE OF STOCKPILE DESTRUCTION PROGRAMME

- Large scale disposal (remaining stocks)
- Approximately 110 tons in total
- Most of remaining CM are cluster mortar mines
- MoD and GS will destroy with own resources the remaining quantity of CM with OB/OD techniques and industrial demilitarisation (cluster mortar mines). Their alternative plan for period 2013 – 2018 is the destruction of all CM stocks with own resources supported by industrial capacities in Croatia (*Sprewerk d.o.o. Gospić*).