



CONVENTION
ON CLUSTER MUNITIONS

Last updated: 13 June 2019

	<p style="text-align: center;">Germany Signed: 3 December 2008 Ratified: 8 July 2009 Entered into force: 1 August 2010</p>	
<p>Article 3 - Stockpile destruction and retention</p> <p>Completed destruction of its cluster munition stockpiles in November 2015</p> <p>Has retained some cluster munitions for training purposes in accordance with Article 3.6</p>		
<p>Article 4 - Clearance and risk reduction education</p> <p>Clearance obligation deadline: 1 August 2020</p> <p>Estimated contaminated area: 11 million m²</p> <p>Total of 1.452 million m² cleared in 2017 and 2018</p> <p>Submitted extension request to be considered at 9MSP</p>		
<p>Article 5 - Victim assistance</p> <p>Does not have cluster munition victims</p>		
<p>Article 6 - International cooperation and assistance</p> <p>Provided financial assistance in 2018 for mine action (including cluster munitions) to: Afghanistan, Bosnia and Herzegovina, Cambodia, Colombia, Iraq, Myanmar, Somalia, South Sudan, Syria, Ukraine, Western Sahara, and Yemen</p>		
<p>Article 7 - Transparency measures</p> <p>Initial transparency report submitted on 27 January 2011</p> <p>Annual reports submitted covering: 2011, 2012, 2013, 2014, 2015, 2016, 2017, and 2018</p>		
<p>Article 9 - National implementation measures</p> <p>Inserted prohibitions on cluster munitions into the War Weapons Control Act in 2009 that includes penal sanctions as required by the CCM</p>		
<p>CCM Coordination Committee membership 2017-2019</p> <p>Coordinator on General Status and Operation of the Convention</p>		
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Declaration of Compliance with Article 3 of the Convention on Cluster Munitions

Submitted by Germany

4 July 2016

I. Declaration of Compliance

1. At the First Review Conference of the Convention on Cluster Munitions, States Parties agreed on the Dubrovnik Action Plan (DAP), contained in the Final Report of 13 October 2015 (CCM/CONF/2015/7).
2. The DAP encourages States Parties that have fulfilled obligations under Article 3 to increase the exchange of information amongst themselves and expert organisations on good and cost-effective stockpile destruction practices, including safety, environmental impact and efficiency (Action 2.2), and to make an official declaration of compliance with Article 3 obligations to Meetings of States Parties or Review Conferences of the Convention (Action 2.4).
3. On 25 November 2015, the Federal Republic of Germany declared that it had – apart from retentions in accordance with Article 3(6) – destroyed all its cluster munition and explosive submunition stockpiles and had thereby fulfilled its obligations in accordance with Article 3 of the Convention approximately two and a half years ahead of schedule.

II. Scope of Declared Stockpiles

4. In its initial report in accordance with Article 7(1) of the Convention, Germany declared in early 2011 that with the entry into force of the Convention, its aggregate stockpiles of cluster munitions included 14 different types and amounted to a total of 238,046 items or 39,348.605 explosive submunitions respectively (with another 281,772 items or 23,948,928 explosive submunitions already destroyed before the Convention's entry into force).

Cluster munition type	Quantity	Explosive submunition type	Quantity
155 mm ICM DM602	260	Bomblet DM1348	16,380
155 mm ICM DM632	121,201	Bomblet DM1385	7,635,663
155 mm ICM DM642	34,144	Bomblet DM1383	2,151,072
155 mm ICM DM642A1	66,206	Bomblet DM1383	4,170,978
155 mm ICM DM652	9,407	Bomblet DM1383	460,943
203 mm ICM DM602	240	Bomblet DM1385A1	28,800

Cluster Bomb BL755	13	Bomblet Mk.1	1,911
Cluster Bomb CBU-2CA	6	Bomblet BLU-3/B	2,454
Dispenser MW-1 DM11	6	Bomblet MUSA	4,008
Dispenser MW-1 DM12	1	Bomblet KB44	4,536
Dispenser MW-1 DM22	106	Bomblet STABO	21,200
Dispenser MW-1 DM31	30	Bomblet MUSA Mine MUSPA Mine MIFF	20,760
Dispenser MW-1 DM32	1	Bomblet K44 Mine MIFF	2,632
MLRS Rocket Pod Container M26	6,425	Bomblet M77 DPICM	24,826,200
		Bomblet BLU 3/B	1,068
Total:	238,046	Total:	39,348,605

Source:

[http://www.unog.ch/80256EDD006B8954/%28httpAssets%29/1F32983CEBD63740C1257829005D2098/\\$file/Germany+I.pdf](http://www.unog.ch/80256EDD006B8954/%28httpAssets%29/1F32983CEBD63740C1257829005D2098/$file/Germany+I.pdf)

5. Those more than half a million items containing more than 60 million explosive submunitions were destroyed during a period of roughly 14 years, mostly by privately owned destruction companies in Germany with experience in destroying the munitions of the former East German army following German reunification.
6. The total cost of the destruction of cluster munitions since 2001 amounted to approximately 44 million euros.

III. Methods

7. The process of disposing cluster munitions and explosive submunitions was generally based on the same principle as that applicable to conventional ammunition. Moreover, the procedures for the individual types of cluster munitions and explosive submunitions did not differ greatly.
8. The individual disposal steps were more or less automated, depending on the number of items of the individual munition types. Dangerous disposal steps, such as mechanical operations on initiating devices, were generally performed with safety precautions in place and in specially protected buildings.
9. Cluster munition and explosive submunition destruction was carried out in an environmentally responsible manner by way of a detailed multistage procedure of disassembly, recycling and combustion consisting of the following individual disposal steps:
 - Removing the igniters/initiating devices (rocket fuses, fuses, ejection charges)
 - Separating munition components (fully automated)
 - No personnel present during mechanical operations on munitions (defusing; separation of explosive materials)

- Recycling or thermal destruction of munition components containing explosives
- Recycling of residual metal parts, which remained in large amounts because of metal casing and packaging

IV. Challenges

10. A special challenge in the disposal of cluster munitions and explosive submunitions is posed by the high number of items, as approximately 62 million explosive submunitions in the Bundeswehr stockpiles in 2001 had to be disposed of. Furthermore, bomblets vary considerably in terms of manufacturing quality. Variations in material properties, such as hardness and resistance of steel, have also led to problems during demilitarisation.
11. Given that explosive submunitions were not intentionally constructed for the purpose of their disassembly, there were numerous possible flaws that had also to be taken into account when devising disposal technology. Safety analyses needed to focus particularly on the mechanical stresses which occur when the fuses are separated from the shell bodies.
12. Constructional precautions had to be taken to ensure that explosive reactions did not cause mass detonations during demil operations.

V. Lessons Learnt

13. Large quantities of explosive submunitions to be destroyed pose particular risks. A thorough risk analysis, which takes into account all possible construction – and material-related flaws, as well as fully automated demil operations conducted with adequate safety precautions, reduce the risk of spontaneous ignition and, in worst case, dangerous mass detonations.
14. Furthermore, a separation by stock-keeping units (SKU, assorted by production lot number) in the demilitarisation process was the preferred way to avoid temporary overflow of facilities' storage capacity. This also simplifies the accounting for the military customer units and the national logistics bases.
15. More detailed information on the lessons learnt such as sophisticated arrangements and technical approaches, which cover environmental issues, accident prevention, worksite safety, transport, explosives handling, weapons control and foreign trade are available at the privately owned destruction companies in Germany (in alphabetical order): (1) Muni Berka GmbH, Am Frohen Busch 1, 06536 Südharz, Ortsteil Dietersdorf, (2) Nammo BUCK GmbH, Industrie- und Gewerbegebiet, 16278 Pinnow, (3) Spreewerk Lübben GmbH, Börnichen 99, 15907 Lübben.

VI. Contact information

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