

Chile's response to the Observations and Comments of the CCM Article 4 Analysis Group on the Extension Request submitted by Chile on 13 December 2024

Santiago, March 31, 2025.

Chile welcomes the timely submission of the Analysis Group's Observations and Comments on the extension request on December 13, 2024. Chile recognizes the Group's efforts to monitor and evaluate progress in the inspection, clearance, and destruction of cluster munition remnants since the Convention's entry into force. To facilitate a thorough assessment of the proposed extension request, we wish to clarify the following points:

- 1. Area addressed since entry into force disaggregated by cancellation through NTS, reduction through TS, or through clearance:** For clarity, it would be helpful to include a table summarizing the status of the three remaining areas, and which could also include the fourth area already released. This table should include the area cancelled through the NTS process, the area reduced through the TS process, and the area released through clearance activities (up to the end of 2024).

Chile's response:

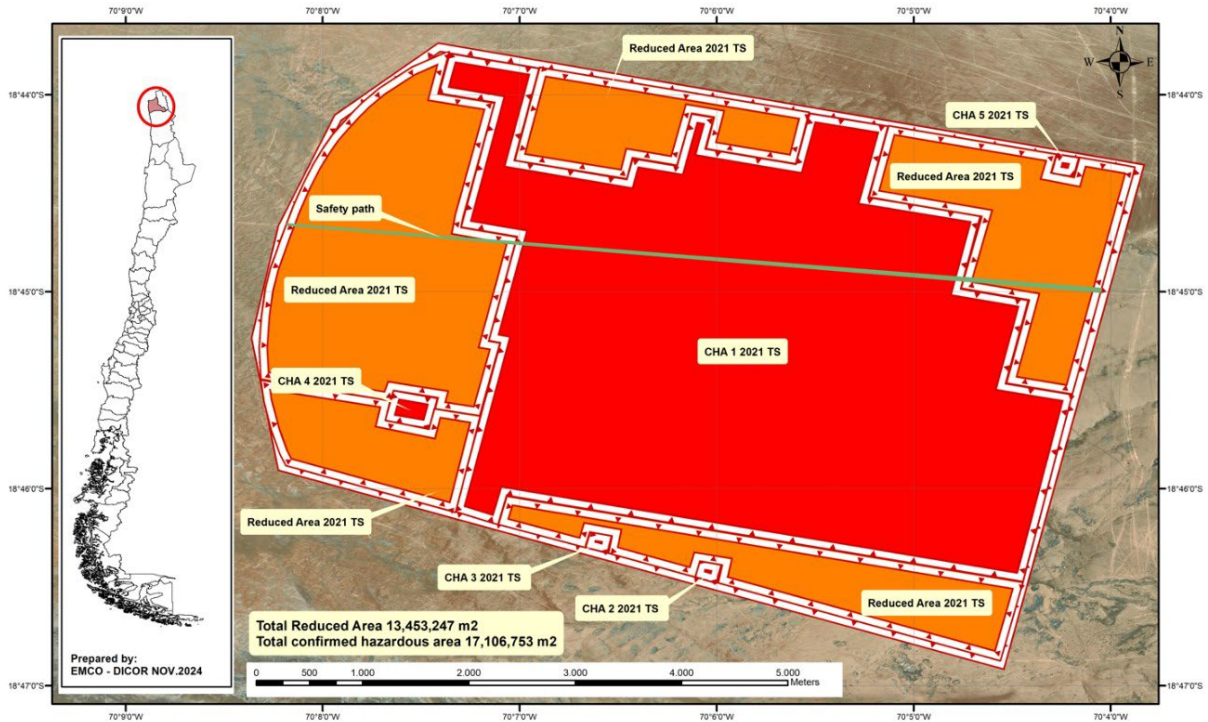
<i>Contaminated terrain</i>	<i>Area addressed since entry into force CCM m²</i>	<i>Cancellation through NTS year 2019 m²</i>	<i>Reduction through TS year 2021 m²</i>	<i>Reduction through clearance year 2023 m²</i>	<i>Reduction through TS year 2024 m²</i>	<i>Remaining area to be cleared m²</i>
<i>Pampa Chaca</i>	<i>33.710.000</i>	<i>3.150.000</i>	<i>13.453.247</i>	<i>0</i>	<i>0</i>	<i>17.106.753</i>
<i>Delta</i>	<i>35.750.000</i>	<i>7.458.437</i>	<i>16.967.244</i>	<i>0</i>	<i>8.088.374</i>	<i>3.235.945</i>
<i>Barrancas</i>	<i>20.905.000</i>	<i>18.235.458</i>	<i>1.763.478</i>	<i>0</i>	<i>0</i>	<i>906.064</i>
<i>Punta Zenteno</i>	<i>6.518.600</i>	<i>3.428.581</i>	<i>1.654.147</i>	<i>1.435.872</i>	<i>0</i>	<i>0</i>
<i>TOTALS</i>	<i>96.883.600</i>	<i>32.272.476</i>	<i>33.838.116</i>	<i>1.435.872</i>	<i>8.088.374</i>	<i>21.248.762</i>

- 2. Estimated area remaining to be addressed (specify SHA, CHA):** Annex 2 includes maps of the three remaining areas. However, the Delta area map is duplicated, and the Pampa Chaca Este area map is missing.

Chile's response

Contaminated terrain	CHA to be cleared m²
Pampa Chaca	17.106.753
Delta	3.235.945
Barrancas	906.064
TOTALES	21.248.762

"Pampa Chaca Este" Military Shooting Range, Arica and Parinacota Region



- 3. Amount of time requested:** The request specifies a period of two years and four months. To avoid ambiguity, the Group recommends defining this period as from 1 June 2026 to 30 September 2028.

Chile's response:

The exact period of time requested It will depend on the availability of resources but from 1 June 2026 to 30 November 2028 will be more specific to avoid ambiguity.

- 4. Annual projections:** Chile has indicated that it has already conducted the NTS and TS. Including the following details would strengthen the document:

- a. Please include annual clearance targets in the submitted work plan for the extension period, similar to those provided in the previous extension request. This will assist in evaluating the feasibility of the proposed timeline.

Chile's response:

Detailed work plan for the entire requested extension, with measurable benchmarks, including the following:

First half of 2026.

- *Acquisition of UXOs detection equipment and personal protective equipment for EOD operators who will carry out cluster munition remnants clearance operations.*
- *Monitor the readiness and training status of personnel who will integrate the Army and Air Force EOD Units that will carry out cluster munition debris clearance operations. If necessary, the required EOD courses will be coordinated to increase the availability of trained personnel and ensure sufficient personnel for necessary relief and replacements.*
- *Through the Demining and Explosive Ordnance Destruction Training Center (CEDDEX), carry out the corresponding retraining and training in accordance with the "Procedures and Equipment for Clearing Areas Contaminated with Submunitions" Manual.*

Second half of 2026 to October 2028.

- Once the personal protective equipment and UXO detection equipment have been acquired and distributed, cluster munition remnant clearance operations will begin at the "Pampa Chaca Este" site in the Arica and Parinacota Region, and at the "Barrancas" site in the Tarapacá Region.

SCREENING OPERATIONS CLEAN UP CLUSTER MUNITION REMNANTS

Name of CHA	Year 1												Year 2												Year 3											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Pampa Chaca Este																																				
Barrancas																																				
Delta																																				

- The estimated work time was based on the fact that the Armed Forces' EOD Units have at least the following number of EOD specialist personnel, who will carry out the process of detecting, clearing, and destroying cluster munition remnants:
 - For the "Pampa Chaca Este" range, the Army EOD Unit will be comprised of 2 sections of 15 EOD Specialists (7 pairs and 1 unit commander) each, plus logistical, administrative, and personnel protection support, for a total of 50 military personnel.
 - For the "Barrancas" and "Delta" ranges, the Air Force EOD Unit will be comprised of one section of 13 EOD Specialists (6 pairs and 1 unit commander), plus logistical and administrative support personnel, for a total of 22 military personnel.
 - The start of the technical work is estimated to begin in the second half of 2026, rather than at the beginning of the calendar year. Therefore, the first year calculated corresponds to 6 months of operation for the "Pampa Chaca Este" site, 4 months of operation for the "Barrancas" site (July to October), and 2 months of operation for the "Delta" site (November and December) once operations in the "Barrancas" site are completed).
 - Cleanup work is expected to be carried out simultaneously in the "Pampa Chaca Este" site and the "Barrancas" site, once Barrancas is cleared continuing to the "Delta" site.
 - Once "Delta" site is concluded the Air Force EOD Section will cooperate the Army units to work on Pampa Chaca Este site.
 - Beginning in the second half of 2027, a third squad of 15 EOD specialists (7 teams and a squad commander) will be incorporated into the "Pampa Chaca Este" site. This EOD squad must be equipped with personal protective equipment and detection equipment, which is expected to be acquired during the first half of 2027, if means are available.
 - Final quality control will be performed progressively by the Demining and Explosives Destruction Training Center (CEDDEX) in those Confirmed Hazardous Areas (CHA) that have been cleared without observations throughout the entire clearance process for areas contaminated with cluster munition remnants.
 - The **minimum** organization of a Clearance Unit for areas contaminated with cluster munition remnants must include at least 6 tracking teams, in addition to an EOD team comprised of at least 2 EOD operators. The Cleaning Unit must also have the necessary medical support equipment and personnel, logistics and administrative staff, and transportation resources in the area of operations to ensure the continued operation.
 - Basic responsibilities of EOD Clearance Unit commanders:
 - EOD Section Commander.
 - Provides team training.

- Ensures team operations.
- Appoints Squad Commanders (most experienced).
- Responsible for preparing technical reports and regulatory documentation for the EOD Company Commander.
- Responsible for the destruction area according to planning.

EOD Squad Commander.

- Responsible for technical execution.
- All actions in the area of operation will follow solely the directives of the EOD Section Commander.
- Responsible for controlling the equipment used by his squad.
- The planned work schedule for the clearance and destruction of cluster munition remnants (Article 4 of the CMR) is determined based on the trained personnel and resources of the National Defense Institutions, which will prepare and deploy the human and technical resources to carry out the clearance and destruction of cluster munition remnants, starting the second half of 2026.
- The planned work times are calculated based on the average progress achieved by a manual unit, considering work periods, rest periods, camp transfers, in addition to the technical information provided in the Non-Technical Surveys and the Technical Surveys. The time required for the organization of work areas and security corridors, "Internal Quality Assurance" activities, and "External Quality Control" have also been considered.
- Operations to clear areas contaminated with cluster munition remnants will be carried out through visual inspection, detection, clearance, marking, neutralization, and/or destruction. This must be considered based on the physical condition of the munition found and the determinations of the lead EOD specialist in the area of operations.
- These technical tasks are within the functions of the Armed Forces and will be performed by EOD specialist personnel from the Chilean Armed Forces.
- The preparation and readiness of human and technical resources for the cleanup and destruction of cluster munition remnants has been planned. This includes the acquisition and subsequent delivery of personal protective equipment, equipment, accessories, and systems for UXO detection. Furthermore, considering the provisions of the "Procedures and Equipment Booklet for the Clearance of Areas Contaminated with Cluster Munition Remains" for 2023, EOD training will be provided to personnel who will integrate the EOD Units and retraining of personnel trained in landmine clearance so they can carry out EOD operations. Likewise, where appropriate, training will be provided in the planning and management of EOD operations and "Explosive Ordnance Risk Education" (EORE) activities.
- The execution of the operations to clear and destroy cluster munition remnants has been planned according to the following details:

"Pampa Chaca Este"

Activity	Weeks
Organization of work areas and security corridors	4
Detection	19
Clearance and Removal	60
Destruction	10

Activity	Weeks
Internal Quality Assurance	19
Certification (External Quality Control)	12
Complete Process	124

NOTE:

- Once "Delta" site is concluded the Air Force EOD Section will cooperate the Army units to work on Pampa Chaca Este site.
- Beginning in the second half of 2027, a third section of 15 EOD specialists (7 teams and a unit commander) will be incorporated into the "Pampa Chaca Este" site. This EOD section must be equipped with personal protective equipment and detection equipment, which is expected to be acquired during the first half of 2027, if means are available.

"Delta" site

Activity	Weeks
Organization of work areas and security corridors	1
Detection	1
Clearance and Removal	3
Destruction	1
Internal Quality Assurance	1
Certification (External Quality Control)	1
Complete Process	8

"Barrancas" site

Activity	Weeks
Organization of work areas and security corridors	1
Detection	1
Clearance and Removal	8
Destruction	1
Internal Quality Assurance	1
Certification (External Quality Control)	1
Complete Process	12

b. Chile's updated clearance plan, submitted as part of the 2022 Article 4 extension request, and its 2023 Article 7 Report indicated the complete clearance of the Barrancas Military Range by 2024. However, no clearance activities appear to have taken place. This prompts a few questions:

- **Barrancas military range clearance:** What factors prevented the planned clearance of the Barrancas Military Range in 2024? Was there a lack of financial resources allocated for essential items such as personal protective equipment (PPE) and demining equipment?

Chile's response:

The lack of governmental financial resources prevented the planned clearance of the Barrancas Military Range in 2024.

It was a lack of financial resources allocated for essential items such as personal protective equipment (PPE) and demining equipment and other operational costs.

- **Delta Zapiga technical survey:** Instead of clearing Barrancas, Chile conducted further technical survey (TS) in 2024 at Delta Zapiga, which resulted in a significant reduction of the remaining task. Was this additional TS necessary because TS had not been previously completed at this site?

Chile's response:

The previous TS was done by an army EOD unit, Delta is an Air Force facility. The Air Force decided to conduct the clearance with its own EOD unit, once finish the clearance of Barrancas site. That's why the new TS was done by the Air Force EOD unit.

- **Future TS:** To clarify whether Chile plans to release any further area through technical survey at any of the three remaining sites. If so, please provide details on the anticipated area to be released and the timeline for these surveys.

Chile's response:

To this date, Chile has no plans to release any further area through technical survey at any of the three remaining sites.

- c. Please provide details on the composition of demining teams, including the number of personnel (deminers), anticipated working days for clearance activities during the extension period, and the expected productivity rate.

Chile's response:

- **"Pampa Chaca Este" Range:** *The Army EOD Unit will be comprised of 2 squads of 15 EOD specialists each, corresponding to 7 teams and one squad commander. It will also include logistical, administrative, and protection support personnel, bringing the total to 50 military personnel.*
- *Beginning in the second half of 2027, a third squad of 15 EOD specialists (7 teams and 1 squad commander) is planned to be incorporated, if resources for equipment are available.*
- *The work schedule will be on weekdays, from Monday to Thursday. Friday is designated for equipment maintenance.*
- **"Barrancas" Range and "Delta" Range:** *The Air Force EOD Unit will be comprised of 1 squad of 13 EOD specialists (6 teams and one squad commander), plus logistical and administrative support personnel.*
- *The work schedule will be on weekdays, from Monday to Thursday. Friday is designated for equipment maintenance.*

- d. Please update the work plan. Note that the annual projections on page 5 extend to October 2028, while the requested extension deadline is also 1 October 2028. Therefore, any planned clearance activities within this extension period should be completed by the end of September to ensure the deadline is met.

Chile's response:

The exact period of time requested It will depend on the availability of resources but from 1 June 2026 to 30 November 2028 will be more specific to avoid ambiguity.

- *Based on the results obtained in the Technical Survey carried out during 2021 in the "Pampa Chaca Este" site and in the "Barrancas" site, and during 2024 in the "Delta" site, the*

following projection of operations has been made for the clearing and certification of areas contaminated with cluster munition remnants:

Projected Progress per Year

Contaminate Area	Total CHA (m2)	Area to clear 2026 (m2)	Area to clear 2027 (m2)	Area to clear 2028 (m2)	Months
Pampa Chaca Este	17.106.753	3.300.000	7.650.000	6.156.753	28
Barrancas	906.064	906.064			4
Delta	3.235.945	3.235.945			2
	21.248.762	7.442.009	7.650.000	6.156.753	

- The average monthly progress has been calculated based on the information obtained from the Technical Survey; however, this progress is subject to the availability of the aforementioned EOD specialist personnel and the necessary funding to sustain the cluster munition remnant clearance and destruction operations.
- The estimated operational time indicated above is based on the Armed Forces EOD Units having the following EOD specialist personnel, who will carry out the process of detecting, clearing, and destroying cluster munition remnants:

EOD Unit Personnel per site to be cleared

	specialist staff
Pampa Chaca Este	2 teams of 15 EOD specialists each. Starting in the second half of 2027, 1 team of 15 EOD specialists will be added, if resources are available.
Delta & Barrancas	1 Squad of 13 EOD Specialists.

- e. Please provide more information on Chile's clearance plans up to 1 March 2026.

Chile's response:

As explained, financial resources are lacking, so international assistance is being requested. Once we receive this assistance, the equipment will be purchased, and the corresponding retraining will begin.

5. Financial, technical, materiel, personnel needs per year:

a. **Financial requirements:**

- Chile has indicated a total budget cost of USD 1,722,269. Please confirm that this figure only includes the international financial support required and not national contributions.

Chile's response:

Yes, this figure only includes the international financial support required and not national funding.

- The current 3-year extension request (2023-2026) estimated USD 1.92 million for clearance, excluding USD 818,954 for new equipment, for which Chile intended to seek international support if needed. Could Chile please clarify how the USD 1,722,269 figure on page 8 relates to these previously stated budget requirements and whether it includes or excludes national contributions and the cost of new equipment?

Chile's response:

The current 3-year extension request (2023-2026) estimated USD 1.92 million for clearance, excluding USD 818,954 for new equipment. Since state funding was not available, a **minimum** budget of USD 1,722,269 was established for operation. Therefore, the current three-year extension request (2023-2026) was higher.

However, regarding the **optimal** equipment required, as the analysis group noted, which is appreciated, a total of 27 detectors would be needed to provide each couple with one.

This would increase the requested budget by USD \$1,305,073, leaving a new total of USD \$2,833,998. This excludes national contributions but includes the cost of new equipment.

- On page 8, Chile indicates a need for USD 967,604 to initiate work in 2025. Please clarify whether this amount is included within the total budget (USD 1,722,269) or is an additional requirement.

Chile’s response:

Yes, the USD 967,604 was the **minimal** to initiate work in 2025 was included within the total budget (USD 1,722,269).

But, if we increase the **optimal** number of detection equipment needed this amount will raise as follows:

Quantity of detection equipment	US\$ Unit	US\$ Total	US\$ Total request to complete clearance of CMR
4	\$48,336	\$193,344	\$1.722.269
6	\$48,336	\$290.016	\$1.818.940
27	\$48,336	\$1.305.073	\$2.833.998

- b. **Technical requirement:** Page 9 mentions an approximate quotation of USD 938,594 for detection equipment, which should be adjusted if a country contributes such equipment. This amount is not referenced elsewhere in the request. It would be valuable if Chile could provide clarification on the basis for this figure and its integration with the overall request.

Chile’s response:

Indeed, the requested amount corresponds to the **minimum** amount of detection equipment required, but was a mistake.

The existing detection equipment, which was used in antipersonnel mine clearance and destruction operations, is generally operational; however, it is technologically obsolete, and spare parts and IT support for its upgrade are currently lacking. It should be noted that optimal for this type of work would be to have one metal detector (UXO) per unit; however, as noted, the request corresponds to the very **minimum** necessary to operate these activities.

- c. **Material requirements:** To ensure clarity regarding equipment needs, the Group would appreciate confirmation of the number of detectors Chile requires and is budgeting for. While the budget appears to allocate for four (4) detectors, information on pages 6 and 9 suggests three EOD couples per team. Given 2 teams are operating, the request would benefit from clarification as to whether six (6) detectors would be more appropriate to allow all EOD couples to work concurrently.

Chile’s response:

Considering the magnitude of the EOD Units planned to be used in the process of clearing and destroying cluster munition remnants, the **optimal** metal detection equipment (UXOs) would be as indicated in the following table:

Optimal amount of Detection Equipment per site to be cleared

Site	Personnel	Detection Equipment
<i>Pampa Chaca Este</i>	<i>3 teams of 7 pairs each</i>	21
<i>Barrancas y Delta</i>	<i>1 team of 6 pairs each</i>	6
	TOTAL	27

If we purchase 6 detectors equipment the cost will raise in: USD \$96.672 (USD\$ 48.336 each).

If we purchase 27 detectors equipment the cost will raise in: USD \$1.111.729 (USD\$ 48.336 each).

6. National financial resources:

- a. The national budget in Chile is approved annually by the Chilean Congress. Has the 2025 budget been approved, and does it include the necessary national funding for equipment and PPE required for CMR clearance? If not yet approved, when is the budget expected to be approved/announced?

Chile's response:

The 2025 budget has been approved, and it does not include the necessary national funding for equipment and PPE required for CMR clearance

- b. The request indicates that Chile will cover personnel costs. Providing a breakdown of the yearly amounts Chile will contribute would be valuable.

Chile's response:

The costs corresponding to the salaries of the personnel involved in the cluster munition remnant clearance process correspond to the annual budgets of the Ministry of Defense and the Ministry of Foreign Affairs.

- 7. Resource mobilization plan:** Chile is encouraged to prioritize CCM clearance and secure national funding for CMR clearance. If national funding for PPE and demining equipment is unavailable, Chile should proactively communicate its assistance needs to ensure compliance with Article 4. Furthermore, the request would benefit from having:

- a. More details on resource mobilization efforts to date, including bilateral engagement with potential donors. While a communication strategy and monitoring system are noted, a more specific outline of the resource mobilization plan itself would be useful.

Chile's response:

On January 31, 2025, was held a meeting on the Ministry of Foreign Affairs with potential donors' countries and it was presented Chile's needs.

Furthermore, these discussions will continue at the 2025 Intersessional Meeting of the Convention on Cluster Munitions, which will be attended by a representative from the Ministry of Defense as part of the Chilean delegation.

- b. More clarity on the coalition mechanism of countries promoted by the CCM, as mentioned, and whether Chile is considering establishing a country coalition.

Chile's response:

For the moment, Chile is not considering establishing a country coalition mechanism promoted by the CCM.

Without prejudice to the foregoing, a conversation has been requested with the members of the country coalition mechanism promoted by the CCM at the 2025 Intersessional Meeting of the Convention on Cluster Munitions.

8. Gender Considerations in Survey Operations: Please clarify whether female personnel participated in the 2024 TS at Delta Zapiga, and if so, indicate the number and proportion of women involved.

Chile's response:

No female personnel participated in the 2024 TS at Delta Zapiga.

Further information pages 19 and 20 of the Extension Request.

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