Lebanon Mine Action Center

Brigadier General Mohamed Fehmi

LMAC Presentation June 2011
Orientation
Presentation Overview

- Mine Action Structure
- LMAC Structure, Vision, Mission & Objectives
- Scope of Mines, CBs & UXOs Problem
- Clearance Update, Operational teams & Clearance statistics.
- Mines, CBs & UXO Types
- Technical and Non-Technical Survey
- Demining Assets
- Mine Risk Education
- Mine Victims’ Assistance
- Work plan for 2011
- SWOT Analysis
- Lebanese Government Support
National Mine Action Structure

Authority Level

Management Level

Implementation Level

LMAA

لسلطة اللبنانية

للأعمال المتعلقة بالألغام

LMAC

Lebanon Mine Action Center

المركز اللبناني للأعمال المتعلقة بالألغام

Engineering Regiment - LAF

فوج الهندسة في الجيش اللبناني

International NGOs and CCs

منظمات غير الحكومية الدولية

National NGOs and CCs

منظمات غير الحكومية الوطنية

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Chain of Command

- Ministry of National Defense
- LAF Headquarters
- Lebanon Mine Action Center

Established April 1998
LMAC Structure
Vision

Lebanon free from:
- Landmines
- Explosive Remnants of War

2015

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Mission

Manage the Humanitarian Mine Action activities according to the National and International Standards through:

- Clearance.
- Mine-Risk Education.
- Mine Victim Assistance.
- Advocacy.
Objectives

- **Humanitarian Demining**: Reduce the impact of high and medium impacted communities by 100%.
- **Mine Risk Education**: Design, plan, provide and implement a risk education system that reaches all affected areas within Lebanon.
- **Mine Victim Assistance**: Provide assistance to ERW victims in all aspects and support activities that provide them with full legal rights.
- **Advocacy and Regulatory Functions**: Achieve the End-State Strategy through the creation of strategic and transparent policies and plans.
- **Resource Mobilization**: Adopt a dynamic strategy and a door to door transparent policy for effective resource mobilization.
- **Communications and Public Relations**: Boost image and goodwill through the adoption of a coherent public outreach system at the international and national level.
Phases of Contamination

Three Phases of Contamination

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Post 1990</td>
<td></td>
</tr>
<tr>
<td>Post 2000</td>
<td></td>
</tr>
<tr>
<td>Post 2006</td>
<td></td>
</tr>
</tbody>
</table>

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Data and Information

Current Clearance achieved as of June 15th 2011.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total</th>
<th>Cleared</th>
<th>Remain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mines</td>
<td>550,000</td>
<td>140.202</td>
<td>409,868*</td>
</tr>
<tr>
<td>Minefields</td>
<td>3,226</td>
<td>1,570</td>
<td>1,656 **</td>
</tr>
<tr>
<td>CBU’s ***</td>
<td>54.7 Sq km</td>
<td>36.6 Sq km</td>
<td>18.1 Sq Km</td>
</tr>
</tbody>
</table>

* 360,868 mines situated on the border between Lebanon / Palestine.
** 977 minefields remain on the border between Lebanon / Palestine.
*** 1,226 Confirmed CBU strike Locations.
Clearance:

Current Clearance as of June 15th 2011

- **Mine/ERW**
  - Originally contaminated /279.4/ million m²
  - Cleared Area 145.5 million m²
  - Uncleared Area 133.9 million m²

- **Cluster Bombs**
  - Originally contaminated /54.7*/ million m²
  - Cleared Area 37 million m²
  - Remaining Area (post 2006) 16.8 million m²
  - Remaining Area (before 2006) 1 million m²

* Total contaminated area as result of 1982 and 2006 hostilities
Cluster Munitions Threat

USA M77 Cluster Munition

Israeli M85 with Self Destruct

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CBU Old Stock
Current Capacity

HMA Capacity in Lebanon

<table>
<thead>
<tr>
<th></th>
<th>LMAC</th>
<th>UNIFIL</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAC</td>
<td>25</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>MCT</td>
<td>9</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>Mech</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>TS</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>EOD/EOR</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>TOTAL</td>
<td>37</td>
<td>21</td>
<td>58</td>
</tr>
</tbody>
</table>
HMA Assets

Manual Clearance

Mine Detection Dogs

Mechanical Assistance
The National Technical / Non Technical Survey

Supported by U.S. Department of States, Office of Weapons Removal and Abatement.

The goal is to confirm the initial information about the contaminated land and release the non-contaminated areas in order to reduce the dangerous areas to the actual hazard through the Area Reduction process.

Once defined, all Suspected Hazardous Areas will be marked and fenced.

The survey teams will develop the clearance plans for each surveyed site.

All new information will be entered into IMSMA database.

<table>
<thead>
<tr>
<th>Result</th>
<th>km²</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.2</td>
<td>have been tasked</td>
</tr>
<tr>
<td>164.3</td>
<td>have been surveyed</td>
</tr>
<tr>
<td>125.3</td>
<td>have been marked for area reduction or cancellation</td>
</tr>
<tr>
<td>38.8</td>
<td>have been scheduled for clearance</td>
</tr>
</tbody>
</table>
Mine Risk Education

Aim to:

➢ Reduce:
  ➢ The Casualties’ number.
  ➢ The socio - economical impact of landmines and other ERW.

➢ Support the development by:
  ➢ Targeting all community sections (Students, villages, Shepherds …) with awareness messages.
  ➢ Identify affected areas and help citizens to avoid them.
MRE Media Awareness

Awareness messages are distributed through the use of:
MRE Campaign

International Arabic Book Exhibition
Tripoli
6500 visitor

Check Point
48750 flyers / 54 villages

Back to School Awareness Campaign
4254 students / 33 Villages

Plays
MRE – Plant a Tree initiative April 4th 2010
MRE Activities Post August 2006

<table>
<thead>
<tr>
<th>Region</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beirut</td>
<td>72501</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>72501</td>
</tr>
<tr>
<td>Bekaa</td>
<td>11227</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11227</td>
</tr>
<tr>
<td>Mount Lebanon</td>
<td>45749</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45749</td>
</tr>
<tr>
<td>Nabateh</td>
<td>413064</td>
<td>45749</td>
<td></td>
<td></td>
<td></td>
<td>457913</td>
</tr>
<tr>
<td>North</td>
<td>8812</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8812</td>
</tr>
<tr>
<td>South</td>
<td>267202</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>267202</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>919595</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>919595</td>
</tr>
</tbody>
</table>
Mine Victims’ Assistance

Aim to:

- Support Landmine / ERW survivors in:
  
  - **Medical aspects**: Ensuring provision of prosthetic devices & related maintenance, rehabilitation services and home adaptation.
  
  - **Economical aspects**: Promoting income generating initiatives & provision of facilitated loans
  
  - **Psychological aspects**: Empowering landmine survivors & building their capabilities to reintegrate them into the society.

- Survey & update victims database continuously.
- Advocate the rights of the Victims & support the process of the international convention on their rights.
**Mine Victims Data**

Reported Data Since 1975 (LMAC Survey still ongoing)

- **Killed**: 900
- **Injured**: 2946
- **Total**: 3846

*LMAC Presentation 2011*
Mine Victims since 2000

<table>
<thead>
<tr>
<th>Year</th>
<th>Victims</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>96</td>
</tr>
<tr>
<td>2001</td>
<td>99</td>
</tr>
<tr>
<td>2002</td>
<td>30</td>
</tr>
<tr>
<td>2003</td>
<td>13</td>
</tr>
<tr>
<td>2004</td>
<td>14</td>
</tr>
<tr>
<td>2005</td>
<td>20</td>
</tr>
<tr>
<td>2006 Until July 12</td>
<td>3</td>
</tr>
<tr>
<td>2006 Aug 14 till Dec 31</td>
<td>209</td>
</tr>
<tr>
<td>2007</td>
<td>95</td>
</tr>
<tr>
<td>2008</td>
<td>42</td>
</tr>
<tr>
<td>2009</td>
<td>32</td>
</tr>
<tr>
<td>2010</td>
<td>24</td>
</tr>
<tr>
<td>2011</td>
<td>5</td>
</tr>
</tbody>
</table>
Mine Victims Data Since Aug 14, 2006

<table>
<thead>
<tr>
<th>Year</th>
<th>Injured</th>
<th>Killed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>183</td>
<td>26</td>
<td>209</td>
</tr>
<tr>
<td>2007</td>
<td>82</td>
<td>13</td>
<td>95</td>
</tr>
<tr>
<td>2008</td>
<td>40</td>
<td>2</td>
<td>42</td>
</tr>
<tr>
<td>2009</td>
<td>29</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>2010</td>
<td>19</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td>2011</td>
<td>3</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>
## Casualties since August 14, 2006

<table>
<thead>
<tr>
<th>Gender</th>
<th>Injured</th>
<th>Killed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child (male) 0 - 12 yrs</td>
<td>32</td>
<td>4</td>
<td>36</td>
</tr>
<tr>
<td>Child (female) 0 - 12 yrs</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Adolescent (male) 13 - 18 yrs</td>
<td>67</td>
<td>5</td>
<td>72</td>
</tr>
<tr>
<td>Adolescent (female) 13 - 18 yrs</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Adult (male) 19 + yrs</td>
<td>233</td>
<td>41</td>
<td>274</td>
</tr>
<tr>
<td>Adult (female) 19 + yrs</td>
<td>17</td>
<td>1</td>
<td>18</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>356</td>
<td>51</td>
<td>407</td>
</tr>
</tbody>
</table>
MVA 2010 Events

Swimming Tournaments

Survivors Guiding workshop
80 persons

Prosthetics Delivery
10 Victims

Football
Survivors Vs. Embassy
(Australia, Norway, UK)

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MRE & MVA Steering Committee

Landmine Resource Center – Balamand University (LMRC)

World Rehabilitation Fund (WRF)

UNICEF

Norwegian People’s Aid (NPA)

Ministry of Social Affairs

Al Jarha Association

Lebanese Welfare Association for the Handicapped (LWAH)

Empowerment Association for Independent Living

Vision Association for Development, Rehabilitation and Care

Islamic Risala Scout

Islamic Health Council

JAD Anti Drugs

National Rehabilitation and Development Center (NRDC)

Lebanese Association for Health and Social Care

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Work plan for 2011

- Clearances in 2011 will be conducted according to the national priorities.
- Communities affected by cluster munitions in south Lebanon will be the highest priority for 2011.
- High/medium impacted communities in central and northern Lebanon are scheduled for clearance and started on November 2010.
- Current planning for clearance will assume that there will be sufficient international funding to support the mitigation of all high & medium impacted communities over a 3 year period (2011-2013), in accordance with the End – State Strategy priorities.
## SWOT Analysis

### Strengths
- Lebanon Mine Action Program managed by LAF
- Determination, Knowledge and Expertise.
- LAF, UNIFIL & NGOs.
- International Recognition (Nansen Award)

### Weaknesses
- Lack of:
  - Funding.
  - Medical assistance and rehabilitation services to victims, including job skills training and employment opportunities.

### Opportunities
- Different sources of Funding.
- Divers Actors: UN Agencies, UNIFIL Troops, International & National NGOs and CCs.
- Gender in Mine Action Activities and Civilian Employees.
- Hosting the 2nd MSP - Sep 2011

### Threats
- Competition with other Regional Mine Action Programs for resource funding.
- Unpredictable Aggressions, Hostilities and acts of terrorism.

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Needs

- Continuous financial support to Lebanon Mine Action Program.
- Developing programs that meet the specific needs of landmine survivors.
- Continuous support in personnel (Operation, QA/QC …)
- Armored excavators and dozers.
Lebanon Mine Action Center

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