

















## Cambodia sincerity and commitment for Mine Ban Convention

- Law on Prohibition of the Use of Anti-Personnel Mines (ratified by the Assembly on 28 April 1999)
- Sub-Decree on the Management and Control of Import, Production, Sales, Trade, Distribution and Use of all Types of Weapons and Ammunitions (30 April 1999)
- Law on the Control of Weapons, Explosives and Ammunitions (01 June 2005)
- Sub-Decree on Socio-Economic Management of Mine Clearance Operations (20 October 2004)
- Five-Year Mine Action Plan of the Royal Government of Cambodia 2005-2009

#### Main Players for Mine Action in Cambodia

- All Government Authorities from Centre Government to Village Levels
- Coordination Body: Cambodian Mine Action Authority (CMAA)
- Demining Operators, Namely:
  - The Cambodian Mine Action Centre (CMAC)
  - The Halo Trust
  - Mine Advisory Group (MAG)
  - The Royal Cambodian Armed Forces (RCAF)
  - Japan Mine Action Service (JMAS), and
  - Private Demining Companies
- Development Partners:
  - Auscare, Care International, World Vision, EC, HIB, NPA, Adopt-A-MineField, other NGOs
  - UN Corps: UNDP, UNICEF, UNHCR, UNMAS, UNOPS
  - GICHD, ITEP, and
  - Others
- Donor Community: Australia, Belgium, Canada, EC, Germany, Japan, Norway, Sweden, Spain, USA, UK

Activities Related to Mine Ban Convention
<ul> <li>Article 5 (Destruction of AP mines in mined areas):</li> <li>Extension request is being prepared and will be submitted in April this year for an extension of 10 years.</li> </ul>
<ul> <li>Article 7 (Transparency Measures):</li> <li>Cambodia submits transparency reports on a regular basis in accordance with the Convention requirements</li> </ul>

# Mine Risk/ERW Education

#### **Community-Based Focal Points for Mines and UXO:**

- To establish an effective and sustainable community-based mine risk reduction network at district, commune & village levels.
- 26 x Districts of Community-Based Mine Risk Reduction (CBMRR)
- 37 x Districts of Community-Based UXO Risk Reduction (CBURR)
- Volunteer Network Villagers: 434 in 139 villages



- Mine/UXO risk education
- Liaison with the local authorities
- Information collection and update
- CMAC's focal point for District
- Close collaboration with Mine Action Teams
- Village map update
- Mine action planning
- Community development planning

### Mine/UXO Risk Education and Reduction Teams

quick response multi-skill mine risk education and reduction team which is deployed to prevent mine and UXO accidents and to alleviate risk to the affected community through:

- Mine/UXO risk education
- Battlefield clearance
- UXO disposal
- Very effective quick response
- Very mobile
- High demand
- Suitable for small and medium tasks
- Very effective UXO risk reduction
- Work closely with CBURR











#### Land Release Through Full Clearance (by Mine Detection Dog Teams)

- 14 Landmine Detection Dog Teams
- 04 UXO Detection Dog Teams (deep search)
- Total: 87 Dogs
- MDD sniffs for explosives •
- Area Reductions
- Hard Ground and heavy fragmentations



















#### UXO Clearance By Cambodia EOD TEAM CMAC, RCAF, Halo Trust and MAG

-Collected Information related to UXO -Destruction all types of UXOs \*\*\*\* Explosive Harvesting Programme











CMAC's Mine/UXO Clearance Achievement (1992	2- Feb 2009)	ISO 9001:2000
- Area Cleared (Minefields & UXO Fields)	: 233 km <sup>2</sup>	
- Anti-Personnel Mines Found	: 408,816	
- Anti-Tank Mines Found	: 7,845	
- UXO Found	: 1,397,045	
- EOD Tasks Responded (2006-2008)	: 29,981 tasks	
Total mines/UXO destroyed by CMAC = 1,813,700 Nationwide Mine/UXO Clearance Achievement (1	<ul> <li>Iandmine/UXOs</li> <li>992- Feb 2009)</li> </ul>	
- Area Cleared (Minefields & UXO Fields) :	> 500 km <sup>2</sup>	
- Anti-Personnel Mines Found/Destroyed :	820,911	
- Anti-Tank Mines Found/Destroyed	: 19,196	
- ERW Found/Destroyed	: 1,756,914	
Total mines/UXO Destroyed nationwide : 2,597,0	<b>)21</b> landmine/U	XOs





# National Strategic Plan for Landmine/ERW

Domestic Policy framework:

- The Millennium Development Goals (UN and Cambodia-specific)
  - Goal 1: Eradicate extreme poverty and hunger
  - Goal 2: Achieve universal primary education
  - Goal 3: Promote gender equality and empower women
  - Goal 4: Reduce child mortality
  - Goal 5: Improve material health
  - Goal 6: Combat HIV/AIDS, malaria and other diseases
  - Goal 7: Ensure environmental sustainability
  - Goal 8: Develop a global partnership for development
  - Goal 9: De-mining, UXO and victim assistance (Cambodia-specific)



National Strategic Plan for Landmine/ERW						
To address the problem, Ca the life of Ottawa Mine B	mbodia is preparing to submit a Request for Extension of an Treaty for another ten years: 2010 – 2020. Article 5					
	Each State Party					
	<ul> <li>"shall make every effort to <u>identify all areas</u> under its jurisdiction or control in which anti-personnel mines are known or suspected to be emplaced."</li> </ul>					
	"shall as soon as possible" <u>ensure that these mined areas "are perimeter marked, monitored and protected by fencing or other means, to ensure the effective exclusion of civilians, until all anti-personnel mines contained therein have been destroyed."</u>					
	<ul> <li>"undertakes to destroy or ensure the destruction of all anti- personnel mines in mined areas under its jurisdiction or control, as soon as possible but not later than ten years after the entry into force of this Convention for that State Party."</li> </ul>					
	Each State Party may					
	if it believes that it will be unable to destroy or ensure the destruction of all anti-personnel mines in ten years, submit a request for an extension of the deadline for completing the destruction of such AP mines, for a period of up to ten years.					



National Strategic Plan for Landmine/ERW							
Remaining problem:	Size (km²)	Size (km²) Remarks					
1. Remaining problem based on Level 1 Survey							
Original problem	4,466	L1S					
Progress	500	All operators					
Remaining	3,966						
2. Classification of remaining	problem based on calc	ulated estimation					
Confirmed	685	For full clearance					
Suspected + residual	1,806	For further technical survey and NTS					
3. Ways of addressing the re	maining problem						
LR (full clearance)	956	Confirmed +15% of Suspected & Residual area	as				
LR (TS+NTS)	1,535	35 15% goes to full clearance					
LR (GS)	1,475	Cancelling L1S from database					
Total:	3,966						
4. Cost of addressing the remaining the remaining problem							
Description	Outputs (m <sup>2</sup> )	Total Cost (\$)	Remarks				
Full Clearance	959,790,000	479,895,000					
Survey	3,010,100,000	17,760,000					
Equipment		99,531,000					
Management		39,812,400					
TOTAL:	3,969,890,000	636,998,400					





NATIONAL STRATEGIC PLAN: FUTURE LAND CLASSIFICATION AFTER BASELINE SURVEY								
Definition	Criteria	Sub-Category						
Classification A Mined Area Land that presents evidence of mines	<ul> <li>Presence of high density mine concentrations, lines, clusters (including but not restricted to border mine belts, mined defensive positions, mined road alignments)</li> <li>Historical information of mine laying, ideally from multiple sources</li> <li>Verifiable or confirmed incidence of casualties inside area Any in-use or abandoned route alignment presenting a possible threat of anti-tank mines, regardless of density, and regardless of the presence or absence of anti-personnel mines</li> </ul>	A1       Land containing dense concentration of AP mines         A2       Land containing mixed AP and AT mines         A3       Land containing AT mines         A4       Land containing AT mines         A4       Land containing scattered or nuisance presence of AP mines						
Classification B Residual Threat Land Land that presents ERW or an indeterminate presence of mines	Possible or unconfirmed presence of mines     Confirmed presence of mines in low 'nuisance' densities     only     Evidence of regular use of ground by local people, whether     for transit, resource collection, livestock grazing or     agriculture production, and where there are    few, none or an unverifiable incidence of casualties in     area     Presence of ERW possibly justifying formal BAC only	B1         Land containing ERW (not including mines)           B2         Land with no verifiable mine threat						
Classification C End State Land Land that presents no obvious threats	<ul> <li>Land formally cleared by accredited operators and handed back to local authorities</li> <li>Land put back into productive use, where there has been no accident or evidence of mines in the past three years (as per CMAA Area Reduction Policy)</li> <li>Land with no indication from communities or previous survey to have any mine threat</li> </ul>	C1 Reclaimed land C2 Threat reduced land C3 Cleared land C4 Unmined Land						

National Strategic Plan for Landmine/ERW Technology Employed     Manual deminers with mine and UXO detectors     Mine and UXO detection dogs     Mechanical vegetation cutting machines (Brush Cutters)     Landmine clearance machines (Demining machines)     Integration of toolboxes:     Combination of MDD with manual deminers     Combination of mechanical systems with MDD     Combination of mechanical systems with manual deminers										
Teams	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Survey	40	40	40	45	45	45	45	40	20	10
MP	60	130	150	150	150	150	150	130	100	50
SLD	10	15	15	20	20	20	15	15	10	10
LLD	4	10	10	10	10	10	10	10	8	5
EDD	4	6	6	6	6	6	6	6	6	6
CMC	13	20	25	25	25	25	25	20	15	10
CBD	5	4	4	4	4	4	4	4	4	4
DM	4	20	25	25	25	25	25	20	15	10
BC	23	35	50	50	50	50	40	30	25	10
MRE	6	6	6	6	6	6	6	6	6	6
EOD	24	30	30	30	30	30	30	30	30	30
CBM	26	33	33	20	20	20	20	20	20	20
CBU	37	40	50	60	60	60	60	60	60	60
ERC	12	12	12	12	12	12	12	12	12	10
BAC	15	15	15	15	15	15	15	15	10	10













# **MINE DETECTOR - GRYPHON**

![](_page_24_Picture_1.jpeg)

![](_page_24_Picture_2.jpeg)

![](_page_25_Picture_0.jpeg)

![](_page_25_Picture_1.jpeg)

![](_page_26_Figure_0.jpeg)

![](_page_26_Picture_1.jpeg)

![](_page_27_Picture_0.jpeg)

![](_page_27_Picture_1.jpeg)

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