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**CAMBODIAN MINE ACTION & VICTIM  
ASSISTANCE AUTHORITY**

**12<sup>TH</sup> MEETING OF STATES PARTIES  
GENEVA, 4<sup>TH</sup> DECEMBER 2012**

**PROGRESS IN IMPLEMENTING THE ARTICLE  
5 EXTENSION REQUEST**

Thanks ..... Co-Chairs for the floor to update Cambodian progress in  
implementing the article 5 ER



## **OUTLINE OF THE PRESENTATION**

- **Royal Government of Cambodia's efforts to implement Article 5;**
  - **Baseline Survey (BLS)**
  - **Land Release (LR)**
  - **National Mine Action Strategy (2010-19) implementation;**
  - **NPMEC Accreditation;**
  - **Planning and Prioritization**
- **Land Released through Technical Survey and Full Clearance**
- **Remaining contaminated areas (BLS)**
- **Annual Clearance Workplan**
- **Information Management**
- **Resources to implement Article 5.**

Cambodia will update on the Government efforts to implement the Article 5 such as:

- Baseline Survey (BLS)
- Land Release (LR)
- National Mine Action Strategy (2010-19) implementation;
- NPMEC Accreditation;
- Planning and Prioritization
- 2. Land Released through Technical Survey and Full Clearance
- 3. Remaining contaminated areas (BLS)
- 4. Annual Clearance Workplan
- 5. Information Management
- 6. Resources to implement Article 5.

## BASELINE SURVEY UPDATE

Period	Operators	Achievement	Total
August 2009 - Oct 2012	CMAC	67 Districts	112 Districts have been surveyed
	HALO Trust	33 Districts	
	CMAC&HALO	3 Districts	
	MAG	9 Districts	

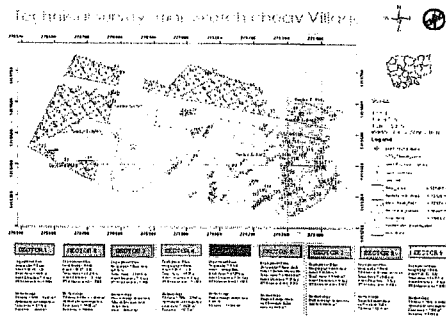
Period	Operators	Planned	Remark
Jan 2012- Aug 2012	CMAC	42 Districts	CFR-II=36; APOPO=6
	HALO Trust	12 districts	CFR-II=10
	MAG	3 Districts	

BLS update: From August 2009 to Oct 2012, 112 Districts have been surveyed. With additional support from APOPO, we expect to complete all the 124 Districts contaminated by mine/ERW by the end of this year.



## LAND RELEASE APPLICATION

- This year is the second year of LR application,
- Land release is to focus on BLS polygons,
- LR methodologies based on land classification and pre-deployment assessment,
- Land release increases output about 45%.



Before 2011, an operators conducted trial on LR and subsequently implemented it officially. In 2012, another operator is conducting LR and will officially apply it in the near future.

The result of LR is to be considered when it is applied on BLS polygons prioritized by the affected communities under MAPU coordination. Application of LR outside of BLS polygons will not be considered and reported.

The methodologies used to release land will be based on BLS land classification and result of pre-deployment assessment,

Since the application of LR, the result shows that clearance output has been increased about 40-45%.



## **NMAS (2010-19) IMPLEMENTATION**

- **2012 is the third year of NMAS implementation:**
  - All required agendas are mostly on track (BLS, LR, PP, Clearance, NPMEC Accreditation. etc.);
  
- **The NMAS M&E framework with indicators have been developed and included in the NMAS.**
  
- **NMAS implementation will be evaluated in 2013.**

This year is the third year of the NMAS implementation and the main activities such as BLS, LR, PP, Clearance and NPMEC Accreditation are mostly on track. The first review of NMAS implementation is planned in early next year. .



## **NPMEC ACCREDITATION**

- **13 MPs & 2 EOD team from NPMEC have been accredited:**
  - **4 MPs & 1 EOD in 2010;**
  - **5 MPs & 1 EOD in 2011;**
  - **4 MPs in 2012.**
- **All these teams are currently working under CMAA supervision;**
- **These teams will contribute to the achievement of NMAS;**
- **Cambodia encourages DPs to continue considering support to NPMEC at the same level as other operators for humanitarian works.**

Up to now 13 mobile platoons and 2 EOD teams from National Peace Keeping Force and Mine/ERW Clearance Center (NPMEC) have been accredited.

All these teams are currently working under the CMAA QA/QC supervision. These teams efforts have contributed to the achievement of the NMAS, therefore, we encourage DPs to consider supporting the NPMEC works at the same level as other operators on this humanitarian works.



## **PLANNING AND PRIORITIZATION**

- **Planning and Prioritization Guidelines had been revised and issued for implementation since September 2011.**
- **PP is based on two criteria to identify priority communities: BLS polygons & casualty rate in the last 5 years;**
- **MAPU, PMAC and Operators have been briefed on new guideline**
- **The full implementation on this guideline is starting this year and the clearance next year will follow this new mechanism;**
- **Cambodia expects to reduce more casualties if this guideline are properly applied;**

- The new guidelines on Planning & Prioritization have been revised and implemented since Sep 2011. The purpose of the revision of the Guidelines is to align mine clearance planning with the Commune Investment Planning Process and target majority of clearance assets on most impacted communities that are identified based on casualty data and BLS data.
- MAPU, PMAC and Operators have been implementing this guideline this year.
- Cambodia expects to reduce more casualties if this guideline is properly applied.



## LAND RELEASED THRU TS & FULL CLEARANCE

Period	Operator	S.q. Meter	APM	ATM	UXO
1992-Oct 2012	CMAC	424,859,040	467,070	9,379	1,769,590
	HALO	84,389,873	253,759	3,370	154,996
	MAG	34,719,297	64,121	1,146	185,163
	RCAF/NPMEC	321,001,461	165,085	8,377	129,467
	<b>TOTAL</b>	<b>864,969,671</b>	<b>950,035</b>	<b>22,272</b>	<b>2,239,216</b>

Period	Operator	S.q. Meter	APM	ATM	UXO
2010-Oct 2012	CMAC	159,847,215	43,079	1,175	266,395
	HALO	26,026,538	35,620	659	18,317
	MAG	5,378,703	9,004	468	23,391
	NPMEC	135,843,284	2,155	22	24,581
	<b>TOTAL</b>	<b>327,095,740</b>	<b>89,858</b>	<b>2,324</b>	<b>332,684</b>

The upper table shows you the achievement from 1992-Oct 2012 by CMAC, HALO Trust, MAG and RCAF with a total of more than 864 KM2 have been released, found and destroyed 950,035 APM; 22,272 ATM and 2,239,216 UXO.

From the beginning of the Cambodian ER (Jan 2010 up to Oct 2012), the 5 operators have released 327 KM2, found and destroyed 89,858 APMs, 2,324 ATMs and 332,684 UXO. Please note that the figures we are showing in the table below are based on the polygon shapefile provided by operators, from 2010 to Oct 2012.





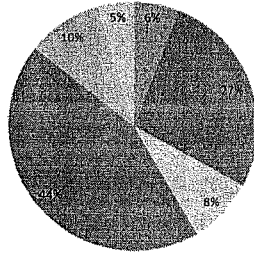
## REMAINING CONTAMINATED AREAS UP TO SEPTEMBER 2012

	Polygons	Contaminated areas
A1	838	50,422,584
A2	3,860	281,924,416
A3	1,240	63,181,764
A4	6,327	634,506,922
B1	1390	567,929,746
B2	672	60,347,179
<b>Total</b>	<b>14,327</b>	<b>1,658,312,609</b>

According to the BLS result from August 2009 up to September 2012, 14,327 polygons have been recorded as contaminated by APM, ATM and ERW with the total of 1,658,312,609 M2. The calculation of the remaining areas contaminated by Mine/ERW will be updated by early next year when we complete our BLS.

## BLS CONTAMINATION PER LAND CLASSIFICATION IN SQM

Level of suspected contamination across BLS completed Districts



- A1: Land containing dense concentration of AP mines
- A2: Land containing mixed AP and AT mines
- A3: Land containing AT mines
- A4: Land containing scattered or nuisance presence of AP mines
- B1: Land containing ERW
- B2: Land containing no verifiable mine threat

	A1	A2	A3	A4	B1	B2	Total
	Dense APM	APM & ATM	ATM only	Scatter APM	ERW only	No verifiable threat	
Number of polygons	838	3,859	1,240	6,327	1,390	672	14,327
Area (m2)	50,422,584	281,924,416	63,181,764	634,506,922	567,929,746	60,347,179	1,658,312,609

It is important to note that areas identified through BLS remain suspected until the exact contamination has been confirmed through further technical survey. In addition, BLS suspected areas may contain APM, ATM and/or ERW. As such, BLS data can not be compared with the estimated 648.8 square kilometers of APM affected areas ALONE that requiring full clearance indicated in the Extension Request.



## **ANNUAL CLEARANCE WORKPLAN**

- **75% of assets allocated to the priority communes identified through the Planning and Prioritization process led by MAPUs**
- **25% of assets remain available for other needs.**
- **Full picture on the demining plan will be developed by early next year and SPs will be informed.**

- Based on the CMAA new instruction and PP guideline, 75% of assets allocated to the priority communes identified through the Planning and Prioritization process led by MAPUs, while 25% remain available for other needs.
- Full picture on the demining plan will be developed by early next year when BLS activity completed and SPs will be informed accordingly.



## **INFORMATION MANAGEMENT**

**Successful deployment of IMSMA ng as national database management tool at CMAA**

**Installing IMSMA ng and supporting to all accredited demining organizations (NPMEC included)**

**Main MA information was integrated into the national database: BLS, accident, Land Release...**

**Planning to further integrate other data: MRE, PCM, Victim Assistance and QA/ QC**

**Using information from IMSMA ng for various reporting**

The IMSMA-ng have been successfully deployed as national database management tool at CMAA since last year;

CMAA/Database Unit have installed IMSMA-ng and support to all accredited demining organizations including NPMEC;

Now main MA information was integrated into the national database: such as BLS, accident, Land Release...

We plan to further integrate other data: such as MRE, PCM, Victim Assistance and QA/ QC by using information from IMSMA-ng for various reporting.



## RESOURCES NEEDED TO IMPLEMENT ART.5

Years	Clearance Productivity (sq. meter)		Costs (USD)			
	Annual	Cumulative	BLS Annual (A)	Clearance Annual (B)	ER Request Annual A + L	ER Request Cumulative
2009	38,627,520		1,550,502	20,464,675	22,015,177	
2010	39,400,173	78,027,693	1,581,512	21,897,202	23,478,714	45,493,891
2011	40,188,176	118,215,869	1,613,142	23,430,006	25,043,148	70,537,039
2012	40,990,940	159,206,809	1,645,405	25,070,107	26,715,512	97,252,551
2013	41,810,778	201,017,587		26,825,014	28,540,526	125,793,077
2014	42,648,014	243,665,601		28,702,765	30,413,291	156,206,368
2015	43,500,974	287,166,575		30,711,959	32,425,250	188,631,618
2016	44,370,994	331,537,569		32,861,796	34,587,046	223,218,664
2017	45,258,414	376,795,983		35,162,122	36,949,168	260,167,832
2018	46,165,582	422,961,565		37,623,470	39,472,638	299,640,470
2019	47,086,384	470,047,949		40,257,113	42,130,751	329,396,790

Finally Co-Chairs, in order to successfully implement our ERW action plan, Cambodia will need USD 455 million for full clearance of 648,000 km<sup>2</sup> plus USD 12 million per annum to address the ERW issue by clearing at least 120,000 km<sup>2</sup> annually and RE activities approximately USD 0.6 million per year. There will be additional funds needed for VA. However, the situation in Cambodia, in terms of contamination and resources needed, will be re-evaluated next year and will be presented to the Parties at the MSP next year together with the findings of the RGC review. May I express my deep gratitude to all DPs and the RGC for their continued commitment to fund to mine action sectors in Cambodia.

ERW action plan, MAS 2010-2019, 12 plus USD 12 million per annum to address the ERW issue by clearing at least 120,000 km<sup>2</sup> annually and RE activities approximately USD 0.6 million per year. There will be additional funds needed for VA. However, the situation in Cambodia, in terms of contamination and resources needed, will be re-evaluated next year and will be presented to the Parties at the MSP next year together with the findings of the RGC review. May I express my deep gratitude to all DPs and the RGC for their continued commitment to fund to mine action sectors in Cambodia.

Thank you for your attention!