

# TRANSPARENCY AND ACCOUNTABILITY NETWORK



## IMMC

### INTEGRATED MOSQUITO AND MALARIA CONTROL

A comprehensive integrated mosquito and malaria control program to reduce the incidence of malaria, and other insect spread diseases.

### BUSINESS PLAN

### THE IMMC STRATEGY

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DRAFT – FOR DISCUSSION ONLY

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# INTEGRATED MOSQUITO AND MALARIA CONTROL CONTEXT

**THIS DOCUMENT IS PART OF A SERIES THAT INCLUDES  
THE FOLLOWING:**

*EXECUTIVE SUMMARY – INTERNATIONAL*

*EXECUTIVE SUMMARY – LIBERIA*

*BUSINESS PLAN – INTEGRATED MOSQUITO AND MALARIA CONTROL  
COMPRISING:*

- A ... BP for IMMC – INTRODUCTION SECTION*
- B ... BP for IMMC – THE MALARIA CRISIS*
- C ... BP for IMMC – HISTORY OF SUCCESSES*
- D ... BP for IMMC – MOSQUITOES AND MALARIA*
- E ... BP FOR IMMC – THE IMMC STRATEGY*
- F ... BP for IMMC – PORTFOLIO OF IMMC INTERVENTIONS*
- G ... BP for IMMC – DATA AND MANAGEMENT INFORMATION*

*IMMC – ORGANIZATION AND MANAGEMENT  
(An Excel workbook/spreadsheet)*

*IMMC – REFERENCES, CONTACTS, ETC.  
(An Excel workbook/spreadsheet)*

*SIMULATION MODEL  
(An Excel workbook/spreadsheet)*

*IMMC – BEHAVIOR OF COSTS  
(An Excel workbook/spreadsheet)*

*IMMC – FINANCIAL PROJECTIONS – MACRO OVERVIEW  
(An Excel workbook/spreadsheet)*

*IMMC – FINANCIAL PROJECTIONS – COUNTRY VERSION  
(An Excel workbook/spreadsheet)*

*IMMC – FINANCIAL PROJECTIONS – DISTRICT VERSION  
(An Excel workbook/spreadsheet)*

*SLIDE PRESENTATIONS  
Components of IMMC (21 slides)  
History of Malaria Eradication (24 slides)  
Economics of Malaria (17 slides)  
Organization of IMMC (24 slides)*

## A STRATEGY TO MAKE IMMC SUCCESSFUL A LEARNING ORGANIZATION

THIS NEEDS A LOT MORE WORK

### **Basic assumptions**

There are many different mosquito and malaria interventions that are being used at the present time to control mosquitoes and malaria.

A key assumption is that there is an optimum way of implementing these interventions, mainly in combination with other interventions, that will give best results at lowest cost. At the moment we do not know what these combinations are.

It is understood that some studies have been done that have shown that multiple interventions increase costs but do not improve results, but these studies have not been seen. TO DO: LOCATE THESE STUDIES AND REVIEW

An IMMC simulation model that has been developed seems to indicate that multiple interventions are very effective, and that timing is critical to get the best possible results are least cost. The simulation model already shows the critical importance of a day in changing the outcome of mosquito control interventions, and therefore the scale of the transmission.

### **It does not matter who is funding and doing the intervention**

There is already a lot of IMMC intervention activity going on, and in most cases the funding and the implementation are focused on a single type of intervention.

There may be opportunities to cooperate with these projects in order to get critical information about malaria prevalence trends, the reach of the interventions and the related costs.

There may be opportunities to add other interventions so that the total program has better results at least possible cost.

### **Helping to optimise**

The development of a reliable simulation model will help to optimise in a variety of different community situations. The simulation model is being developed so that it can be adapted easily to a wide range of different situations.

### **Getting comprehensive interventions to a community**

Each and every community needs to have the IMMC interventions that are needed to address the mosquito and malaria problem in the community. The best mix of interventions is not always the same.

A flow of information from the community into the IMMC information system will make it possible for the simulation model to help plan interventions. These simulations can be used to help mobilize resources and get the interventions implemented.

### **Helping to collect data**

Collecting data is labor intensive, and ideal for community groups provided they

know specifically what is needed. This requires training so that the data being collected, and the analysis being done produces reliable information that can be used to build a solid foundation of planning information.

### **Aerial operations**

Aerial operations are low cost when done on the right scale and in response to specific mosquito situations. Aerial operations need expensive equipment that has a very low cost per acre when used efficiently. An IMMC regional aerial operations unit provides communities, districts and countries with a way to access efficient aerial operations easily.

HISTORY OF SUCCESS IN REDUCING MALARIA  
IT WAS POSSIBLE 50 YEARS AGO, WHY NOT NOW?

**Global prevalence of malaria**