Rural Cultivation & Atmospheric Emulation Application (RCAEA) URS document

**Rural Cultivation and Atmospheric Emulation Application**

Document: URS

Author: Raima Khan,

Tsanko Hadzhiev,

Richard Dyer,

Mihail Hadzhinikolov,

Zisis Damianidis,

Al Al-Mohaiminul Islam Khan

Creation Date: 12/09/16

Last Revised: 12/09/16

Group Name: Tanks & Co.™

Version: 0.1

TABLE OF CONTENTS

INTRODUCTION 2

Purpose of URS 2

PRODUCT dESCRIPTION 3

Background information 3

Performance 3

Users 3

Assumptions

User Interface 4

Requirements 5

Functional requirements 5

Non-Functional requirements 6

APPROVALS 13

Sign-off Sheet 13

INTRODUCTION

Purpose of URS

This document is the definitive specification of the user requirements for RCAEA Project to be developed by Tanks & Co.™

**The URS document defines the following:**

* Introduction
* Project description
* Requirements

PRODUCT DESCRIPTION

Background Information

SIM Software Inc. is interested in adopting simulation applications and has asked for project proposals. Tanks & Co™ has a simulation proposal and they met with A representative from SIM Software’s board of management, Mr. Johnson. He has accepted their proposal for “ Rural Cultivation and Atmospheric Emulation Application”.

Mr. Johnson will be the mediator and ultimately make the decision software.

Performance

In this project we will create an application to simulate cultivating specific crop(s) in an area of land during specific time. This application will allow user to grow choose type of crop for specific field. If someone is growing “ Cucumber “ in winter season ,system will notify the user that “cucumber needs high temperature to grow, better is to choose summer season for cultivating cucumber”.// some more functionalities should be added

Users

This application can be used by individual production planners as well as by multi-national enterprises, primarily to strategically plan layout, control logic and dimensions of large, complex production investments. Farmers can also use this application for deciding which crop is more beneficial for them before cultivation.

Assumptions

Following are some assumptions for this project made by us:

* Fields for cultivation are already bought by users.
* Risk for encountring any crop disease is 0%.
* We assume that the weather will follow recent years’ patterns.

User Interface

REQUIREMENTS

Functional requirements

APPROVALS

Sign-off Sheet