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# **GENESIIS**

**UNIDO PROJECT NO. TF/SRL/04/001**  
**SOFTWARE DEVELOPMENT WORK –**  
**SYSTEM FOR UPDATING THE INDUSTRIAL**  
**REGISTRY FOR THE DEPARTMENT OF**  
**CENSUS AND STATISTICS, SRI LANKA**

**FINAL REPORT**

**01 MAY 2005**

**VERSION 2.0**

**BY: GENESIIS SOFTWARE**

# Table of Contents

1	DOCUMENT CONTROL .....	3
2	ACRONYMS AND ABBREVIATIONS.....	4
3	INTRODUCTION .....	5
4	PROJECT OVERVIEW .....	6
5	SOFTWARE CONSTRUCTION, SYSTEM DEPLOYMENT, AND SUPPORT .....	7
6	DOCUMENTATION ACTIVITIES .....	8
7	USER TRAINING .....	10
8	PROGRAMMER TRAINING.....	11

## 1 Document Control

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Version	Previous Version	Date	Changed By	Changes
1.0	N/A	20051231	SW	CREATED
2.0	1.0	20060609	SW	Updated sections on documentation and training

Hardcopy Document Location	Version
N/A – Softcopy Only	

Softcopy Document Location	Version
P:\SOFTWARE_DEVELOPMENT_SD\ONSHORE\INM_DCS_INDUSTRY_MATCHING\DOCUMENTS_DOC\CONTRACT\CONTRACT_REPORTS\FINAL_REPORT\INM_DCS_CONTRACT_FINAL_REPORT.DOC	2.0

### Distribution History

Version	Sent To	Date	Sent Via
1.0	UNIDO	09/06/2005	Email/Hardcopy via Courier

## **2 Acronyms and Abbreviations**

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<b>DCS</b>	Department of Census and Statistics
<b>GENESIIS</b>	Genesiis Software Pvt. Ltd.
<b>UNIDO</b>	United Nations Industrial Development Organisation
<b>RUP</b>	Rational Unified Process.
<b>MIIP</b>	Ministry of Industry and Investment Promotion
<b>CEB</b>	Ceylon Electricity Board
<b>BOI</b>	Board of Investment
<b>RMES</b>	Results of Matching with External Sources

### 3 Introduction

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GENESIIS Software (GENESIIS) has entered into a contract (UNIDO Code 2005/093) with the United Nations Industrial Development Organisation (UNIDO) for software development work. The contract was signed on 08 July 2005 and carries the UNIDO project code TF/SRL/04/001.

The terms of the contract require GENESIIS, being the party providing services to UNIDO, to submit a series of reports that describe the progress of the work.

This report constitutes the Final Report, covering the activities on the project from the date of the Draft Final Report (31/10/2005) to 31 December 2005.

This report is accompanied by a CDROM that contains the deliverables listed in the TOR.

## **4 Project Overview**

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The project activities undertaken for the period covered by this report are:

- Software Construction, System Deployment, and Support
- Documentation Activities
- User Training
- Programmer Training

The progress under the headings of these activities is covered in the following sections.

## 5 Software Construction, System Deployment, and Support

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The system is implemented into a binary compatible (computer readable) format through software construction/development activities.

The toolsets and platform used for this system are:

1. Microsoft .NET Framework/C#
2. Microsoft SQL Server 2003
3. Microsoft IIS Web Server

All modules of the system were completed at the time of submission of the Draft Final Report.

These modules are:

- Importing;
- Editing and Parsing
- Matching
- RMES
- DI2
- Registry Management

The software was deployed at DCS on November 24 2005, immediately once the hardware procured by DCS was available.

Also in November 2005, the system was reviewed by UNIDO consultants Mr. Alex KORNS and Mr. Shyam UPADHYAYA.

*Approximately 80 changes to the software were requested following the review, and these changes were addressed.*



DCS commenced using the software for importing, parsing and editing in December 2005, and then commenced preparation of the data for creation of the core registry in March 2006.

GENESIIS supported DCS in this task by creating two (2) cross-editing software programs and also by programming several conversion routines for data import. It is noted that these tasks are outside the scope of the contract and were performed by GENESIIS without additional charge.

The software was reviewed by Mr. Alex KORNS in May 2006 and accepted.

DCS are currently using the system to perform a matching of establishments to each other.

GENESIIS is also providing ongoing support to DCS in relation to data management activities and providing supplementary training.

A complete copy of the source code for the system is provided on the CDROM.

## **6 Documentation Activities**

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The following documentation is provided as per the Contract, and is contained on the CDROM:

- Physical\_Data\_Model\_Data\_Dictionary – This describes the tables and their properties in the database
- ER\_Diagram – This describes the relationship between tables in the database
- System\_Decomposition – This diagram shows the high-level decomposition of the System.
- Interaction\_Diagrams – The list of sequence diagrams for the System. Please refer Appendix 3 of the Draft Final Report for the list of sequence diagrams.
- FAQ section – that addresses how to maintain areas that may change often.
- Programmer Manual – Answers to common questions that may be asked by DCS maintenance programmers.
- Operators\_Manual – This describes how to do perform commonly operations within the System.


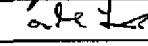

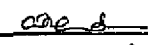



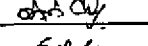

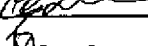

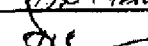

- Source\_Code – Complete source code of the SYSTEM

## 7 User Training

User Training was conducted on 29 November 2005 at DCS

The participant list is shown below:

**Registry Updating System  
Training Session  
29/11/2005  
DCS participants**

Name	Designation	Signature
U.S. Warapukha	STN	
W.F.M. S. FERINANDO	STN	
R.D.W. Premarajase	STN	
U.V.R.S. Gunawardana	S.O.	
W.S.D. Jayasundara	S.O.	
S.P. Liyanage	S.O.	
B. Patawickrama	S.O.	B. Patawickrama
K.B. Keelawathie	S.O.	
R.P.A. Selathilga	S.A.	Selathilga
C.P. Chandabandana	S.O.	
J.K.B.N. Jayakody	STN	
M.D. M. Fernando	STN	
D.S.S. Gunawardana	STN	
G.A.J.C.B. Satharasingh	S.O.	
D.G.S.G. Munasinghe	STN	

A subsequent training session on the matching module was conducted on 05/05/2006 at DCS for 19 DCS staff members. Mr. Alex Kornis also participated in this training session.

## **8 Programmer Training**

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The following programmer training activities were carried out:

- SQL Server training session on 24/01/2006 for DCS staff members  
SATHARASINGHE AND PRIYADARSHANA
  
- Visual Studio Dotnet programmer training on 31/01/2006 DCS staff members  
SATHARASINGHE AND PRIYADARSHANA
  
- Two (2) additional Visual Studio Dotnet training sessions on 14/02/06 and  
21/02/2006.

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