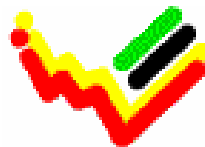**Inception Report**

March 22th 2005

TA for the Scandinavian Support Program to Strengthen the Institutional Capacity of the National Statistics, Mozambique

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List of abbreviations

CO	Scanstat Coordination Office in Statistics Denmark
Danida	Danish International Development Assistance
DKK	Danish Kroner
DSt	Statistics Denmark
EUR	European Euro
INE	Instituto Nacional de Estatística, Mozambique
INE-P	Instituto Nacional de Estatística, Portugal
MZM	Mozambique Meticais
NOK	Norwegian Kroner
Scanstat	Consortium between Statistics Denmark, Statistics Norway and Statistics Sweden
SCB	Statistics Sweden
SEK	Swedish Kronor
SSB	Statistics Norway
USD	US Dollars
ZAR	South African Rand

1 SUMÁRIO EXECUTIVO

O ponto central será a expansão gradual da consolidação, melhorando da eficiência e da qualidade e a finalização da dependência da assistência técnica externa.
O consultor de longa duração dará assistência às seguintes tarefas:

Estatísticas Sociais e a Monitorização da Pobreza: O PRODOC aponta as estatísticas sociais como importantes para a monitorização deste processo sobre dados de pobreza, sendo uma das quatro linhas a serem definidas e dadas como prioritárias no projecto. No fim este relatório é um sugestão o que é possível melhorar a monitorização da pobreza.

*Inquérito Integrado á Força de Trabalho – (IFTRAB) 2004/5:*O PRODOC aponta o IFTRAB como um inquérito essencial a ser conduzido como parte integrante do projecto. A maior parte das questões do QUIBB estão igualmente incorporadas no IFTRAB.

*Treinamento no Trabalho:*O PRODOC enfatiza que o treinamento no local de trabalho é também uma das linhas de tarefas a serem suportadas pelo projecto, com vista a consolidação do processo de produção de estatísticas, através da capacitação dos técnicos do INE.

O consultor também vai trabalhar com as preparações para o Censo 2007.

2   EXECUTIVE SUMMARY

The Scandinavian project is in the consolidation phase, meaning that INE should gradually take full responsibility for all aspects of the survey production, finding solutions that does not involve gap filling of consultants. The focus has gradually shifted from expansion to consolidation, improving efficiency and quality and gradually phasing out the dependency on external technical support.

The consultant will focus on assisting in the following tasks:

- *Social Statistics and Poverty monitoring*: The PRODOC points to social statistics with special emphasis on poverty data, as one of four issues to be focused and prioritised in the project. In the end of this report a suggestion for how to improve the monitoring of poverty, will be presented.

- *The Labour Force Survey / Inquérito Integrado á Força de Trabalho (IFTRAB) 2004/5:* The PRODOC points to IFTRAB as a key survey to be conducted as a part of the project. Several of the questions from QUIBB are also incorporated in IFTRAB.

- *In house and on the job training:* The PRODOC emphasizes that in house training is a central task of the project, to ensure sufficient knowledge at INE to consolidate the statistical production process.

The consultant will also take part in the preparations for the Census in 2007.

3   INTRODUCTION

The consultant will take part in the efforts of Instituto Nacional de Estatística to supply Mozambique and the international society with social statistics of high quality. This involves participation in several tasks within the Department of Social Statistics within INE.

The PRODOC points to social statistics with special emphasis on poverty data, as one of four issues to be focused and prioritized in the project.

The PRODOC points to IFTRAB as a key survey to be conducted as a part of the project. Several of the questions from QUIBB are also incorporated in IFTRAB.

The PRODOC emphasizes that in house training is a central task of the project, to ensure sufficient knowledge at INE to consolidate the statistical production process.

The focus will gradually shift from expansion to consolidation, improving efficiency and quality and gradually phasing out the dependency on external technical support.

The consultant would like use this opportunity to thank INE for a good reception.

This report contains the views of the consultant, which do not necessarily correspond to the views of Danida or INE.

4   AN OUTLINE OF URGENT DUTIES

The long term adviser will assist in the following issues at present or in the nearest future.

Social Statistics and Poverty monitoring
- The Millennium Development Goals (MDG) and the Poverty Reduction Strategy Plan (PARPA) are central to monitoring the development of well-being and poverty in Mozambique. The LTA is participating in the preparation of a paper on the development in Mozambique on the issues focused in the MDGs. This will focus on issues like poverty, education, gender differences, child mortality, maternal health and combating deceases.

Inquérito Integrado á Força de Trabalho - IFTRAB 2004/5
- Quality control of the data gathering process. This includes construction and evaluation of data files and other quality issues relevant to the IFTRAB.
- Analyzing the preliminary and final results, with special emphasis on calculating the central figures from the IFTRAB, like the size of the labour force, unemployment rates etc. As the preliminary data files are available, these have to be used to prepare the tabulation programs necessary to produce tables and other analysis necessary to illuminate the field.
- Disseminating the results. A report should be prepared on the basis of the preliminary files from the first half-year of data collection. This will make it possible to process a final report relatively quick after the data collection is concluded.

In house training
- To convey experiences form Norway regarding building systems for Total Quality Management (TQM). This includes increasing the awareness of the importance of finding the sources of errors in order to prevent errors from happening.
- To take part in planning and coordination of short-term missions. E.g. the consultant will coordinate missions in gender statistics and presentation technique.

The consultant will also take part in the preparations for the Census, both on short and long term.

5   PERCIVED OUTLINE OF LONG TERM STRATEGIC DUTIES

The focus will gradually shift from expansion to consolidation, improving efficiency and quality and gradually phasing out the dependency on external technical support. The long term adviser will assist in the following issues.

Social Statistics and Poverty monitoring
- Consolidation of the statistical processes, particularly the Integrated Household Survey Program.

- Expansion of systematic and relevant monitoring of poverty issues and to enhance analysis of social statistics and poverty indicators.

- Consolidation of statistics on gender differences and other central issues in the field of social statistics.

- Carry out quality control of data, the data processing itself and in publications.

- Apply methods for data analysis.

- Developing international contacts with other National Statistical Offices that are encountered with similar measurement challenges related to the monitoring of welfare.

Inquérito Integrado á Força de Trabalho - IFTRAB 2004/5
- Quality control of the data.
- Disseminating the results. A final report should be prepared on the basis of a preliminary report to be produced on the basis of the first half year.

In house training
- To conduct in-house training in SPSS. A course will be given in the third trimester of 2005. The participants will be trained to use SPSS for statistical analysis.
- To take part in planning and coordination of short-term missions.
- To contribute to improvements of the survey system trough on the job training.

6   SUGGESTIONS FOR JOINT ACTIVITIES WITH HOST DIRECTORATE/COUNTERPART

The Millennium Development Goals (MDG) and the Poverty Reduction Strategy Plan (PARPA) are central to monitoring the development of well-being and poverty in Mozambique. The PRODOC points to social statistics with special emphasis on poverty data, as one of four issues to be focused and prioritized in the project.

Statistics Norway is working on developing ways of monitoring poverty and hunger without doing annual household budget surveys and with limitid need for advanced analysis. Using this analysis, INE may become a significannt supplier of data on the poverty situation.

Given the need for frequent poverty monitoring and the excessive costs of annual household budget surveys, the challenge to predict poverty headcounts is not a new one. Several analyses have been carried out, aimed at giving frequent estimates of poverty. These studies have however focused more on the optimal selection of indicator than on the modeling approach. By further developing methods from Poverty Mapping we have aimed at estimating household consumption, the probability of being poor and the standard error of these estimators. Hence, it is possible to build models where the information from 10-15 indicators allow for a quite accurate estimation of measures of poverty.

It is also possible to apply a similar approach to estimate the prevalence and trends of hunger in development countries. The statistical models we are suggesting are based on an analysis of the co-variation between an indicator describing poverty or hunger developed on the basis of a Household Consumption and expenditure Survey, and other variables describing peoples living conditions that more easily measured and on an annual basis as part of a Household Survey Program. The model is assuming that the relationship between the poverty indicator and related variables describing peoples living conditions remains stable, and estimates changes in the poverty indicators from the changes in the related variables.

I will advocate the use of statistical models to monitor the development of the poverty and hunger rates. The main advantage with this approach is that it enables us to present accurate estimates on poverty and hunger rates in a fast and inexpensive manner.

7 APPENDIX 1. Persons met

Joao Loureiro, President of INE
Manual da Costa Gaspar, Vice president, Social & Demographic, INE
Arão Balate, Director, Census and Survey, INE
Fátima Zacarias, Director of Demographic and Vitals Statistics, INE
Hans Erik Altvall, Team Leader, Scandinavian Program, INE
Cristóvão Muahio, Chefe de departamento, Census and Survey, INE
António Adriano, Leader of the Division for Cartography
Cassiano Soda, Data Analysis, INE
Zuraida Khan Leader of the Department of Social and Vital Statistics
Destina Uinge Director of Directorate of Integration,
Coordination and External Relation
Alda Rocha Head of the External Relations unit
Elisio Mazive, Census and Survey, INE
Bruno Rodolfo, Programmer of Survey, INE
Basilio Cubula, Sampling, INE
Eugenio Matavele, Data Processing, INE
Salomão Felix, Mambo IT-consultant
Francisco Macaringue Social statistics consultant
Samuel Tauene, Social statistics consultant
Isabel Noela, Scanstat project assistant
Gonçalves Chachuaio Secretary of the Vice President of Dem.Stat.
Abilio Mussane, Director of Planing, Ministry of Labour
Karsten Bormann, Scanstat resident advisor
Jan Redeby, Scanstat resident advisor
Jon Teigland, former Scanstat resident advisor
Mogens Nielsen former Scanstat resident advisor
Gideon Kisai Ngoi, National Bureau of Statistics, Tanzania
David J. Megill, Chief, International Project staff, US Bureau of Census
Selma L. Sawaya, International Technical Advisor, US Bureau of Census
Lars Ekman Norwegian embassy
Inge Tvedten Norwegian embassy
Lis Rosenholm Rasmussen, Danish Embassy

8 APPENDIX 2. Terms of Reference

Annex 6D from PRODOC: Task description and profile-

Social Statistics and Demographic Statistics Advisor

1. General responsibilities and tasks

The Advisor shall be responsible for assistance in consolidating the integrated household survey program. This will include assistance and advice in design of survey instruments, pilot-tests, planning and implementation of field work, data entry and processing, preparing tabulation reports, and dissemination. The survey work will include standard paper based questionnaires with keypunching data-entry, paper based surveys for scanning and optical reading and diary based surveys.

He/she shall collaborate with and assist the Vice President and heads of directorates and other staff of the INE, providing overall assistance, guidance, advice and training related to program-supported activities in order for INE to achieve the timely outputs of the Program.

Key issues for the advisor are to advise and carry out in-house training on for instance how to

- increase relevance and reliability of existing and new statistics, including conceptualising and design data collection in new statistical fields

- carry out quality control of data, the data processing itself and in publications

- apply methods for data analysis.

He/she will report to the Team Leader but work closely with the Vice-President on professional matters.

The Advisor will split his/her time between general co-operation and support in demographic and social statistics and other professional tasks.

The advisor will support INE on the further use of administrative records within the area of social and demographic statistics.

2. Specific tasks

The specific tasks shall include but not necessarily be limited to assist in the:

- analysis of HBS 2002-03, with emphasis especially on poverty and the use of CWIQ as poverty
  monitoring instrument
- preparation and implementation of the labour force survey, the time use survey and the demographic
  and health survey, respectively

3. Qualifications

- A Master's degree in economics or statistics.
- Minimum 10 years relevant working experience including experience from a statistical office.
- Substantial experience in planning and managing household surveys
- Knowledge and experience in various methodological and sampling techniques
- Substantial knowledge about production of social and demographic statistics

- Substantial knowledge about register development and register utilization
- Knowledge and up-to-date experience in IT hardware, office software and statistical software.
- Previous experience from assignments in developing countries is an advantage.
- Adaptability, social sensitivity and respect for a variety of cultures.
- Familiar with Scandinavian development assistance in general.
- Fluency in written and spoken English and an adequate working knowledge in Portuguese.

4. Working language
Portuguese and English

5. Duty Station
Instituto National de Estatística (INE) Maputo with possible travel up-country to Provincial offices.