

# NSO's Country Paper

## 1. Management issues of using ICT for your national statistical office

### (a) How is ICT changing NSOs functions and how should it react to these changes?

ICR System is used for scanning NSO's survey and census questionnaires instead of Key-in System. This System could reduce the time and the budget for conducting the survey and census projects including of making faster statistical reports.

Data Collection System by PDA , We use Pocket PC for collect the data of some projects without questionnaire in paper to reduce costs in recoding data entry and verify data .

### (b) What is the NSO's strategy for using ICT to gain and sustain competitive advantage for producing official statistics?

The NSO's strategy for using ICT are

1. Developing and updating the Data Directory as a service for the public, and a tool for monitoring the production of statistics from all sector.
2. Data harmonization for reducing data redundancy and inconsistencies.
3. e-Government Metadata Standard (e-GMS) contains of Element and Refinement of important data from all government agencies in the standard form.

### (c) How do you determine ICT project priorities?

ICT project priorities conforms to census / survey projects carried out by The Economics and Social Statistic Bureau.

### (d) As the head of NSO, how do you use ICT to improve your office's intelligence?

We use Service Oriented Architecture (SOA) to develop and create service function to support flexible business process.

## 2. How do you manage ICT effectively and efficiently?

### (a) How do you evaluate effectiveness of NSOs ICT investments and expenses?

We evaluate effectiveness of NSOs ICT investments and expenses by using Balance Score Card.

**(b) How are your ICT resources organized and managed to respond effectively and efficiently to growing demand for official statistics?**

We use Service Oriented Architecture (SOA) to organized and managed to respond effectively and efficiently to growing demand for official statistics.

**3. What is the link between government support for technology use and your NSOs ICT strategy?**

**(a) What training is already available in your country for ICT personnel?**

We have the training plan to ICT personnel as follows:-

- Hardware and network
- System analysis and Design, Programming
- Database, Data Warehouse, Data Mining ,OLAP
- Web and Internet
- IT Management
- Service Oriented Architecture (SOA)

**(b) Is the available training well suited to the needs of ICT in NSO?**

Yes, it well suited. However, NSO still needs external experts with experience in utilizing modern ICT technology for data production and service.

**4. What are major obstacles in the use of ICT in your NSO?**

The major obstacles in the use of ICT in my NSO is SOA in technical implemented, standardize , automate and integrate process.