

ANNUAL INFOCOMM MANPOWER SURVEY, 2007 - EXECUTIVE SUMMARY

Introduction

This Survey seeks to determine the infocomm manpower pool and profile in Singapore.

Infocomm manpower surveys have been carried out by IDA annually since 1999. This is the 9th in the series.

Infocomm manpower is a person engaged primarily in infocomm-related work either in an IT or telecommunication equipment and/or services provider, or user organisation. He/She must be employed by the Singapore-based organisation on a full-time/part-time basis either as a permanent or direct contract staff to work in Singapore or to station overseas. The work of the person:

- a. may include the development, distribution, implementation, support, operation, sales or marketing of telecommunication, computer hardware/software, IT services or multimedia contents; and
- b. is classified under one of the job categories listed in [Annex A](#). The definition does not include infocomm manpower under the employment of contractors and subcontractors.

Research Methodology

The sample, covering all industrial sectors, was selected from the Establishment Sampling Frame maintained by the Department of Statistics (DOS). The sample was stratified by the Singapore Standard Industrial Classification (SSIC) codes. Data collection (via self-administered questionnaires by mail/email/Internet submission) and processing for the Survey was carried out from October 2007 to January 2008.

Employed Infocomm Manpower and Vacancies

Employed Infocomm Manpower

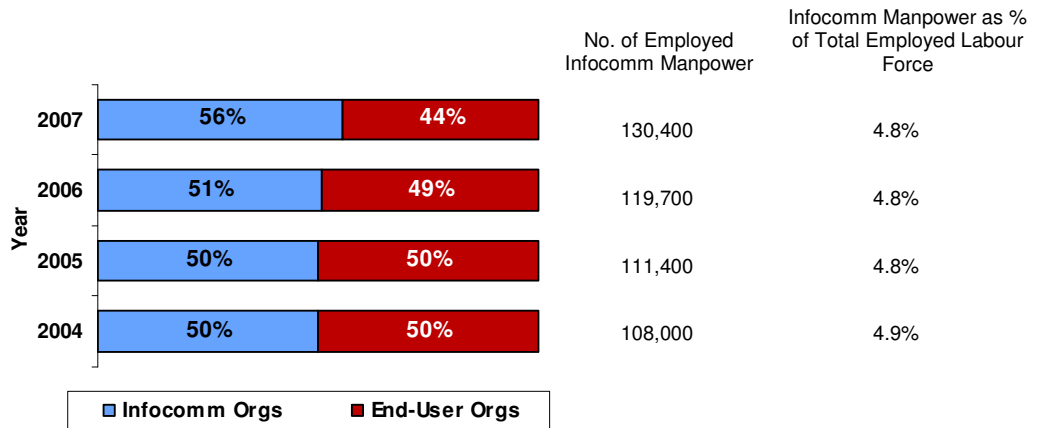
Infocomm employment growth rate achieved a new high, 8.9%. The number of employed infocomm manpower reached 130,400 ([Table 1](#)).

Table 1: Employed Infocomm Manpower in Singapore

	2004	2005	2006	2007
Infocomm Manpower ('000)	108.0	111.4	119.7	130.4
- Annual Growth (%)	3.5	3.1	7.5	8.9

Infocomm manpower constitutes about 4.8% of total employed labour force in Singapore. This proportion has remained constant for the past years. 56% of the infocomm manpower worked in infocomm organisations and the rest in end-user organisations.

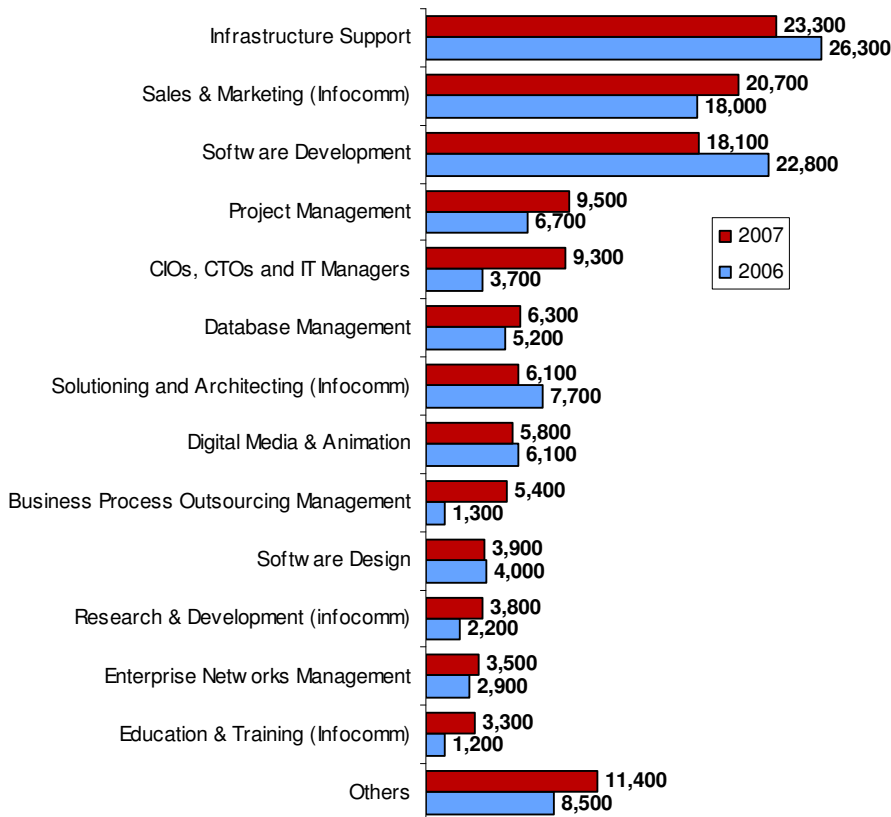
Chart 1: Infocomm Manpower by Organisation Type



Job categories

Infrastructure Support; Infocomm Sales & Marketing; and Software Development remained the top three job categories with the highest number of employed infocomm manpower (Chart 2).

Chart 2: Infocomm Manpower by Job Category



Job Vacancies

The number of infocomm job vacancies was 4,700 (Chart 3). The majority of the vacancies were in infocomm organisations. Chart 4 shows the distribution of the vacancies among the various job categories. The top three job vacancies were generated by the most employed infocomm manpower categories, i.e. *Software Development; Infocomm Sales & Marketing* and *Infrastructure Support*.

Chart 3: Infocomm Job Vacancies by Organisation Type

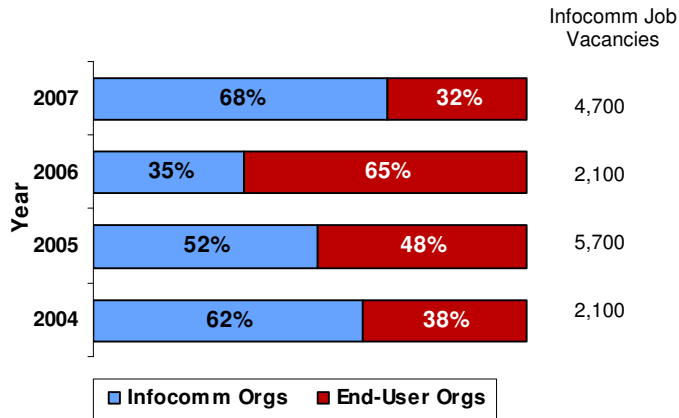


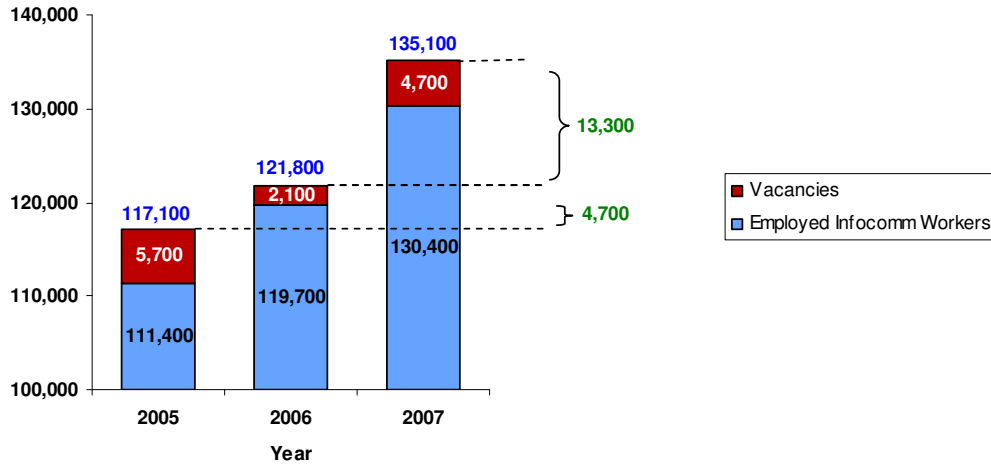
Chart 4: Infocomm Job Vacancies by Job Category



Total Infocomm Jobs

Overall, there is an 11% (13,300) growth in infocomm jobs, after taking into account employment and vacancies (Chart 5).

Chart 5: Total Infocomm Jobs, Employed and Vacant

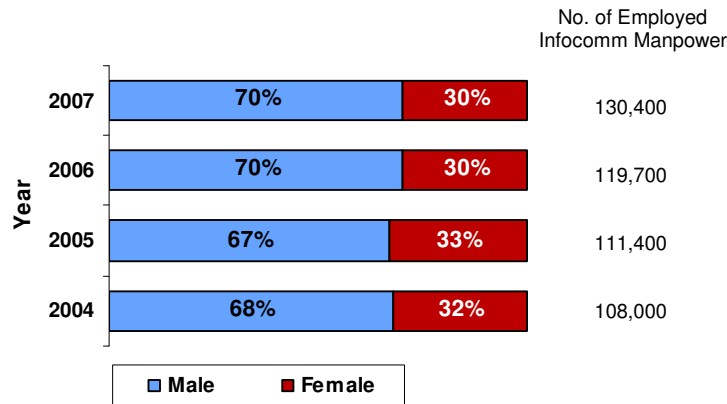


Profile of Employed Infocomm Manpower

Composition of Employed Infocomm Manpower

The proportion of male to female infocomm manpower remained fairly constant at the ratio of 2 males to 1 female employed (Chart 6).

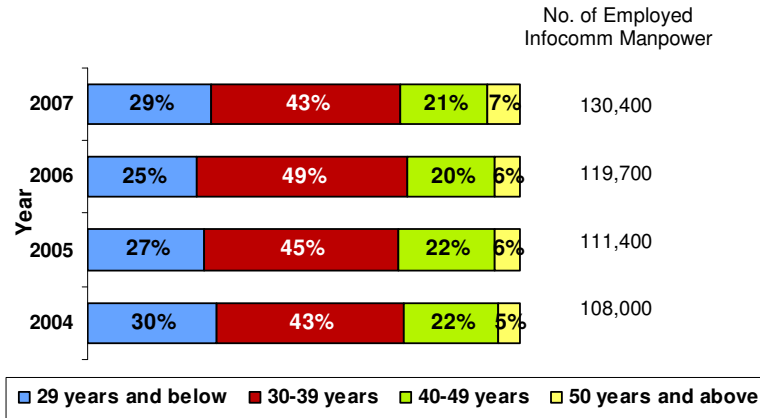
Chart 6: Infocomm Manpower by Gender



Age Profile of Infocomm Manpower

Infocomm profession is attracting young blood as seen in the increase in the younger cohort aged 29 years and below (Chart 7). The largest proportion of infocomm manpower continues to be those aged between 30-39 years.

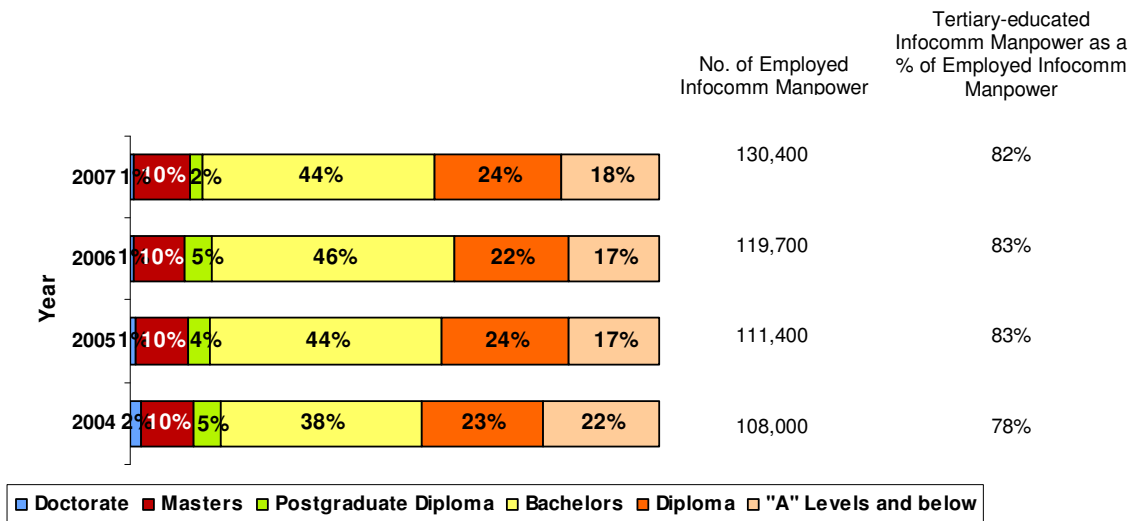
Chart 7: Infocomm Manpower by Age



Education Profile of Infocomm Manpower

The proportion of tertiary qualified (i.e. having at least diploma qualifications) infocomm manpower has remained fairly constant at 82%.

Chart 8: Infocomm Manpower by Highest Qualification Attained



ANNEX A

Job Categories

1. **Business Process Outsourcing Management**
2. **Chief Information Officers, Chief Technology Officers and IT Managers**
3. **Database Management**
4. **Digital Media & Animation**
5. **Education and Training (Infocomm)**
6. **Enterprise Networks Design**
7. **Enterprise Networks Management**
8. **Games Development**
9. **Infrastructure Support**
10. **Project Management**
11. **Quality Assurance (Infocomm)**
12. **Research & Development (Infocomm)**
13. **Sales & Marketing (Infocomm)**
14. **Security (Infocomm)**
15. **Software Design**
16. **Software Development**
17. **Solutioning and Architecting (Infocomm)**
18. **Telecommunication Systems Design**
19. **Telecommunication Systems Management**
20. **Technical Writing**