

ANNUAL INFOCOMM MANPOWER SURVEY, 2008 EXECUTIVE SUMMARY

INTRODUCTION

This Survey seeks to determine the infocomm manpower pool and its profile in Singapore covering the period **1 Jun 07 to 31 May 08**.

Infocomm manpower surveys have been carried out by IDA annually since 1999. This is the 10th in the series.

An 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 overseas¹. 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.

RESEARCH METHODOLOGY

The sample, covering all industrial sectors, was selected from the Establishment Sampling Frame maintained by the Department of Statistics. The sample was stratified by the Singapore Standard Classification of Industrial Codes (SSIC). Data collection (via self-administered questionnaires by mail/email/Internet submission) and processing for the Survey was carried out from Aug to Dec 08.

KEY FINDINGS ON INFOCOMM MANPOWER

Infocomm employment grew by 6.6% to reach 139,000 (Table 1) in Jun 08. 57% of the infocomm manpower worked in infocomm organisations and the rest in end-user organisations (Chart 1).

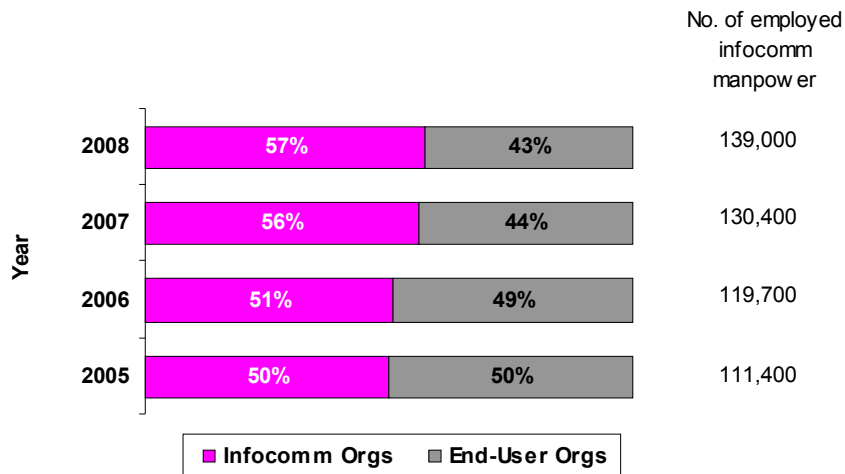
Table 1: Employed infocomm manpower in Singapore²

| | 2005 | 2006 | 2007 | 2008 |
|--------------------------|-------|-------|-------|--------------|
| Infocomm manpower ('000) | 111.4 | 119.7 | 130.4 | 139.0 |
| - Annual growth (%) | 3.1 | 7.5 | 8.9 | 6.6 |

¹ The definition does not include infocomm manpower under the employment of contractors and subcontractors.

² Data is as of Jun of the respective years.

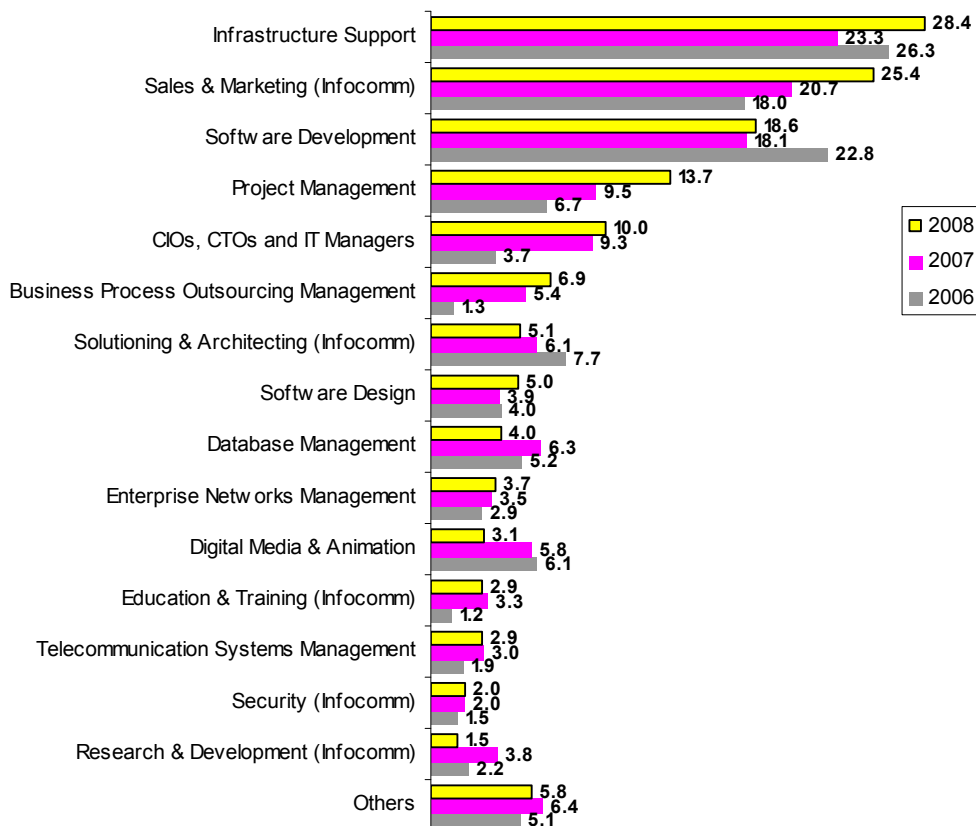
Chart 1: Infocomm manpower by organisation type



Job categories

Infrastructure Support, Infocomm Sales & Marketing and Software Development remained the top 3 job categories with the highest number of employed infocomm manpower (Chart 2).

Chart 2³: Infocomm manpower by job category (in thousands)



³ "Others" here include Telecommunication Systems Design; Quality Assurance (Infocomm); Enterprise Networks Design; Technical Writing; and Games Development.

Job vacancies

The number of infocomm job vacancies was 6,500 in 2008 (Chart 3). Chart 4 shows the distribution of the vacancies among the various job categories.

Chart 3: Infocomm job vacancies by organisation type

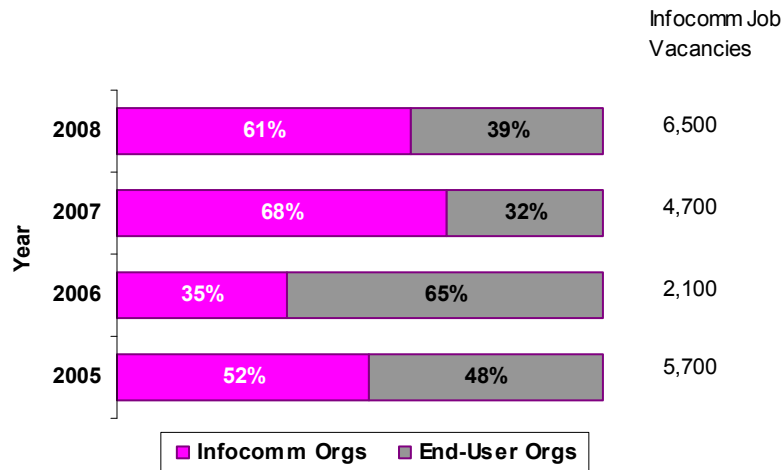
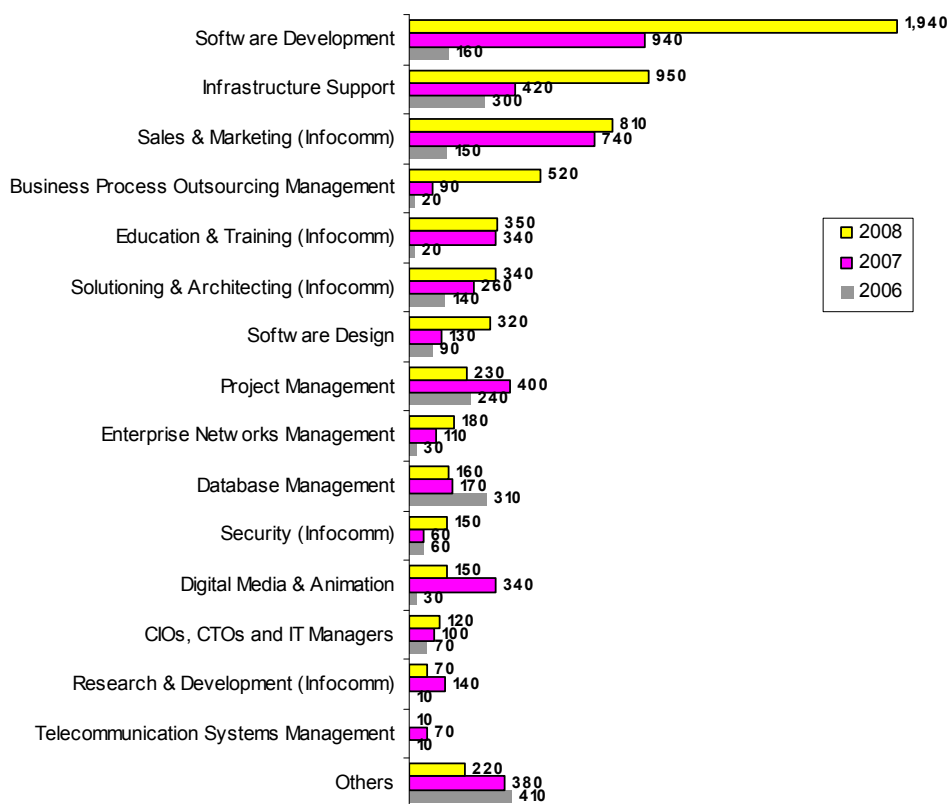


Chart 4⁴: Infocomm job vacancies by job category (nearest ten)

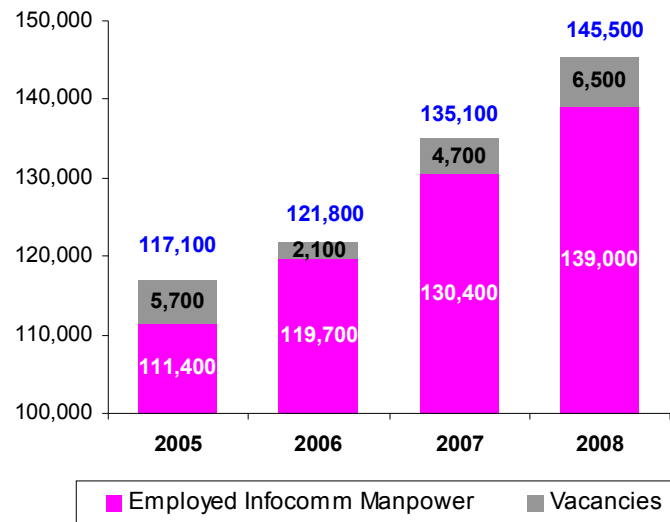


⁴ "Others" here include Telecommunication Systems Design; Quality Assurance (Infocomm); Enterprise Networks Design; Technical Writing; and Games Development.

Total infocomm jobs

Overall, there was an 7.7% (10,400) growth in infocomm jobs, after taking into account changes in changes in employment and vacancies (Chart 5).

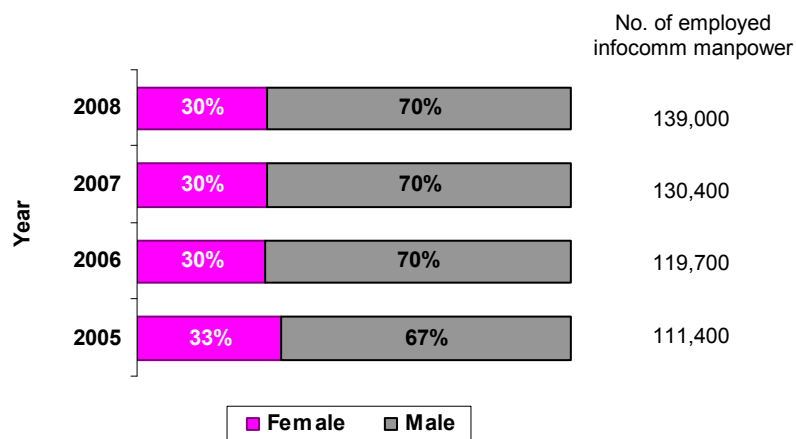
Chart 5: Total infocomm jobs, employed and vacancies



Gender composition of infocomm manpower

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

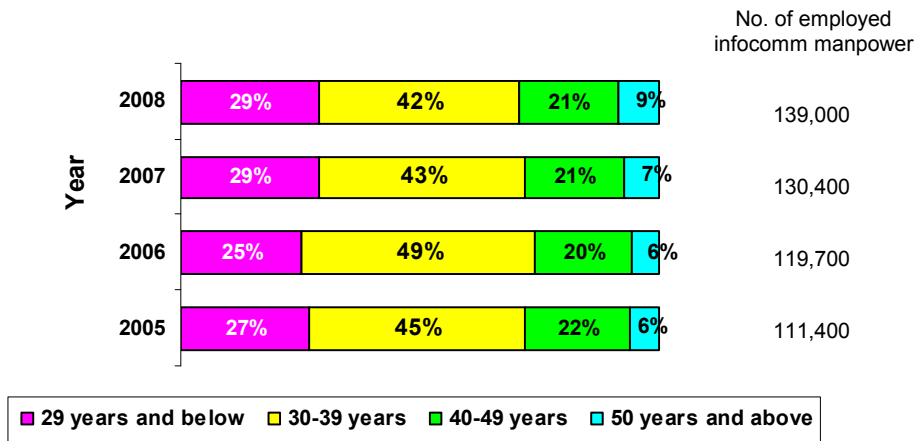
Chart 6: Infocomm manpower by gender



Age profile of infocomm manpower

71% of the infocomm manpower were aged 39 years old and below (Chart 7). The largest proportion of infocomm manpower continued to be those aged between 30-39 years.

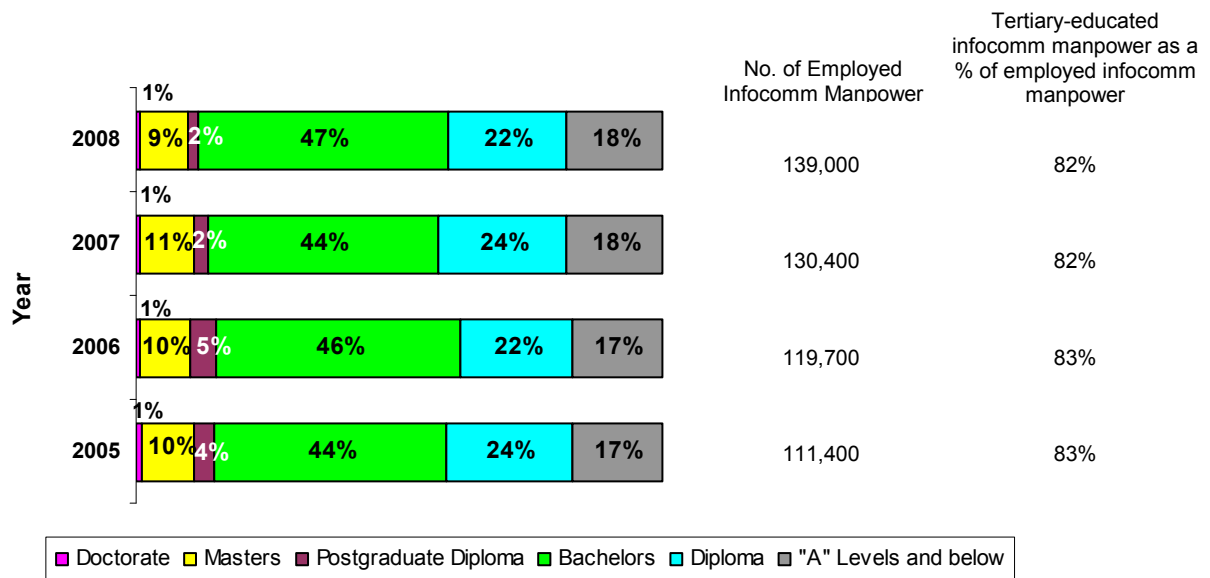
Chart 7: Infocomm manpower by age



Education profile of infocomm manpower

The proportion of tertiary qualified (i.e. having at least diploma qualifications) infocomm manpower 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 Design & 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**