



## **Standar Karakteristik Profesi Sektor Industri Informatika dan Komputer**

Disusun oleh Kelompok Kerja Pengembangan Kurikulum  
Asosiasi Program Studi Informatika dan Komputer se-Indonesia  
dalam Pengembangan National Qualifications Framework untuk  
Rumpun Ilmu Informatika dan Komputer

Versi 1.0 – September 2009

### **Daftar Isi**

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- Ringkasan Eksekutif
- **Tipe SDM Informatika dan Komputer**
- **Terminologi Domain SDN Informatika dan Komputer**
- **Nomenklatur Profesi Bidang Informatika dan Komputer untuk ICT Worker**
- **Nomenklatur Profesi Bidang Informatika dan Komputer untuk ICT-Enabled Worker**
- Penutup

## ICT Type Human Resources

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- **ICT Workers:** working for IT industry or IT departments as experts, specialists, and practitioners
  - **IT Industry:** hardware, software, services
  - **Private Sector:** IT divisions in big corporations, small-medium enterprises
  - **Government:** IT divisions in telcos, banks, utilities, manufactures, services, etc.
  - **Academics:** IT departments in universities, polytechnics, research centers, etc.
  
- **ICT Enabled-Workers:** working for organisations as IT users
  - **IT Industry:** IT users in back offices, administrations, operationals, etc.
  - **Private Sector:** IT users in big corporations, small-medium enterprises
  - **Government:** IT users in various types of industries
  - **Academics:** IT knowledge users such as teachers, lecturers, researchers, students, etc.

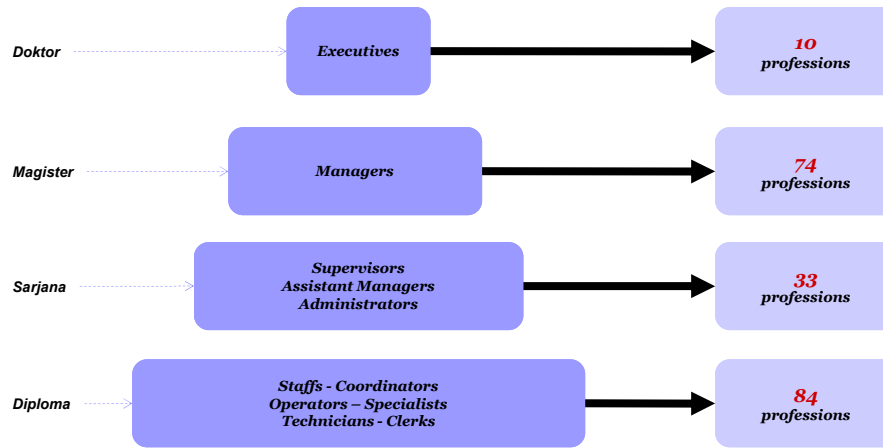
## ICT Alumni Professions

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- |  |   |
|--|---|
| • <b>ICT Workers:</b> working for IT industry or IT departments as experts, specialists, and practitioners | • <b>ICT Enabled-Workers:</b> working for organisations as IT users |
| – <b>Employees</b>   | – <b>Employees</b>  |
| – <b>Professionals</b>   | – <b>Professionals</b>  |
| – <b>Entrepreneurs</b>   | – <b>Entrepreneurs</b>  |
| – <b>Bureaucrats</b>   | – <b>Bureaucrats</b>  |
| – <b>Academicians</b>  | – <b>Academicians</b>   |

## ICT Worker Taxonomy

Source: *Internet and Information Technology Position Descriptions HandiGuide, 2006 Edition*

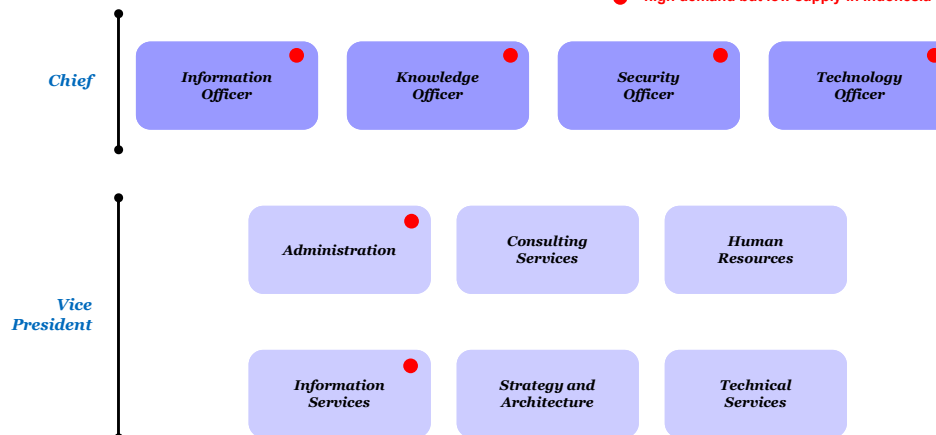


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## ICT Worker: Executives

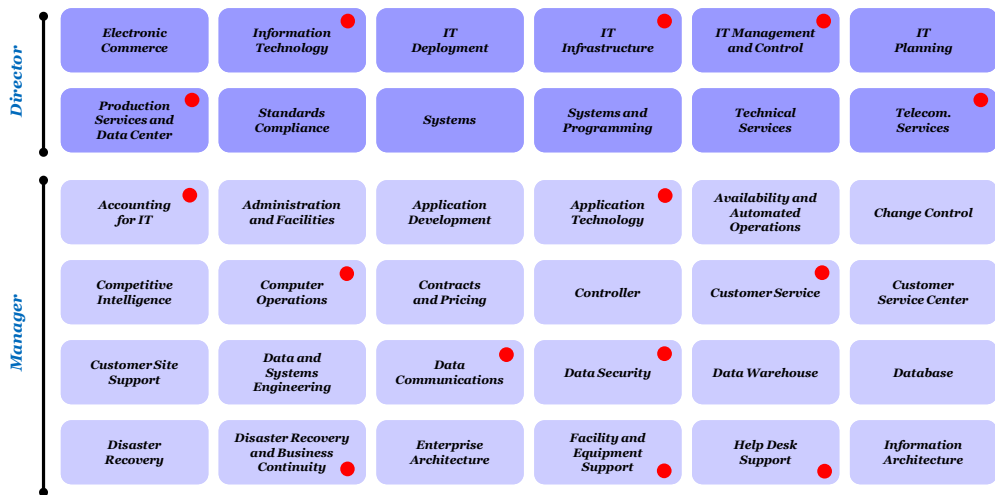
● = high demand but low supply in Indonesia



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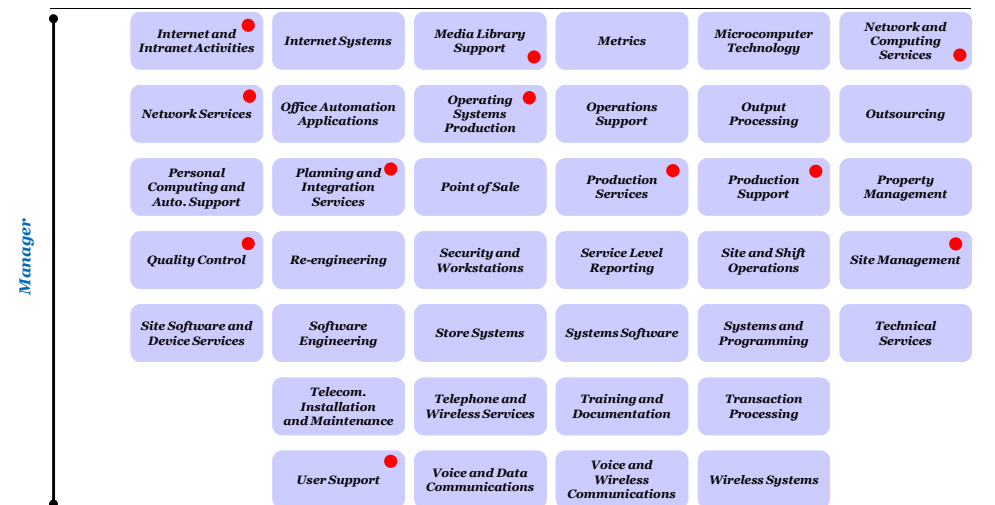
## ICT Worker: Manager



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## ICT Worker: Manager (continue)



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## ICT Worker: Supervisor

Supervisor – Assistant Manager – Administrator

Capacity Planning Supervisor	Change Control Supervisor	Communications Administrator	Computer Operations Asst. Manager	Computer Operations Asst. Supervisor	Computer Operations Shift Manager
Computer Operations Shift Supervisor	Customer Service Coordinator Lead	Customer Service Supervisor	Data Communications Asst. Manager	Data Entry Supervisor	Database Administrator
Disaster Recvry. & Special Projects Supervisor	Hardware Installation Supervisor	Information Center Manager	Microcomputer Support Supervisor	Network Services Supervisor	Procurement Administrator
Production Services Supervisor	Project Manager Applications	Project Manager Distributed Systems	Project Manager Implementation Deployment	Project Manager Network Technical Servcs.	Project Manager Systems
Supervisor POS	Supervisor POS Training	System Administrator	System Administrator Lead	System Administrator Linux	System Administrator Windows
	Voice Communications Manager	Webmaster	Word Processing Supervisor		

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## ICT Worker: Staff

Staff – Coordinator – Operator etc.

4th GL Specialist	4th GL Specialist Senior	Account Representative	Accountant	Accounting Analyst	Business Analyst
Business Services Analyst	Change Control Analyst	Competitive Intelligence Analyst	Computer Equip. and Network Analyst	Computer Operator Junior	Computer Operator
Computer Operator Lead	Customer Service Coordinator	Data Analyst	Data Center Facility Administrator	Data Entry Clerk	Data Security Administrator
Database Specialist	Disaster Recovery Coordinator	E-Commerce Specialist	Forms and Graphics Designer	Hardware Installation Coordinator	Help Desk Analyst
Internet Developer	Internet and Intranet Administrator	IT Planning Analyst	LAN Applications Support Analyst	Librarian	Maintenance Contract Administrator
Media Librarian	Metrics Measurement Analyst	Network Control Analyst Assistant	Network Control Analyst	Network Engineer	Network Security Analyst
Network Services Administrator	Network Specialist	Network Technician	Network Specialist Senior	Object Programmer	Object Programmer Senior

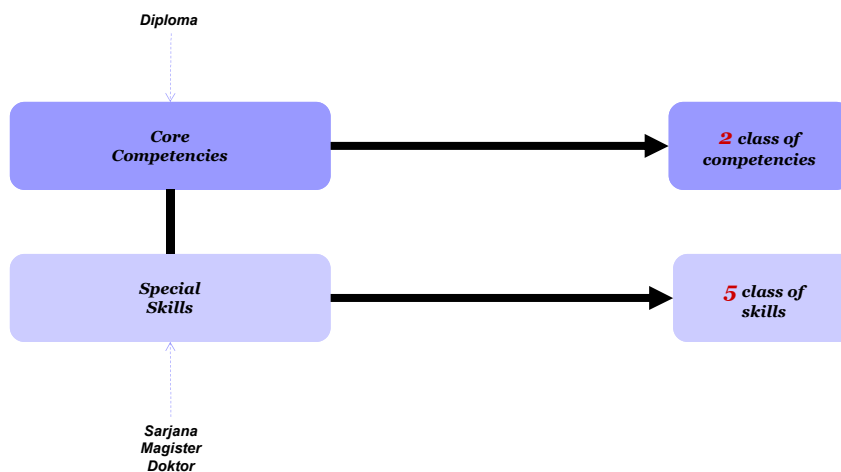
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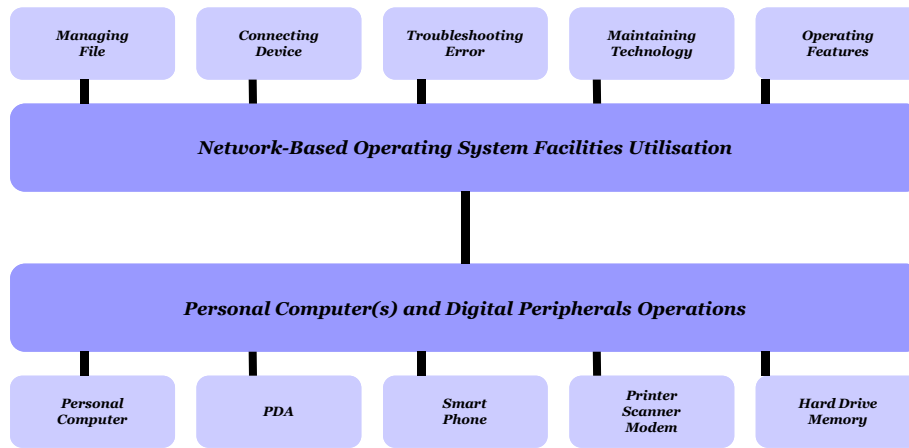
### ICT Worker: Staff (continue)

Staff – Coordinator – Operator etc.	On-Line Transaction Processing Analst.	Operations Analyst	Operations Analyst Senior	Operations Training Coordinator	Personal Computer Specialist	Planning Integr. and Control Administrator
	POS Coordinator	POS Hardware Coordinator	POS Senior Coordinator	Print Operator	Procurement Assistant	Procurement Coordinator
	Production Control Analyst	Production Control Analyst Senior	Production Control Specialist	Programmer/Analyst	Programmer Assistant	Programmer
	Programmer Senior	Quality Measurement Analyst	Software Engineer	Systems Analyst	Systems Analyst Senior	Systems Programmer
	Systems Programmer Senior	Systems Support Specialist	Systems Support Specialist Senior	Tape Librarian	Technical Services Specialist	Technical Specialist
	Technical Specialist Senior	Telecom. Technician	Linux Programmer	Linux Programmer Senior	Voice Communications Coordinator	Voice Communications Specialist
	Voice Wireless Communications Coordinator	Web Analyst	Web Site Designer	Wireless Coordinator	Word Processing Operator	Word Processing Lead Operator

### ICT-Enabled Worker Taxonomy



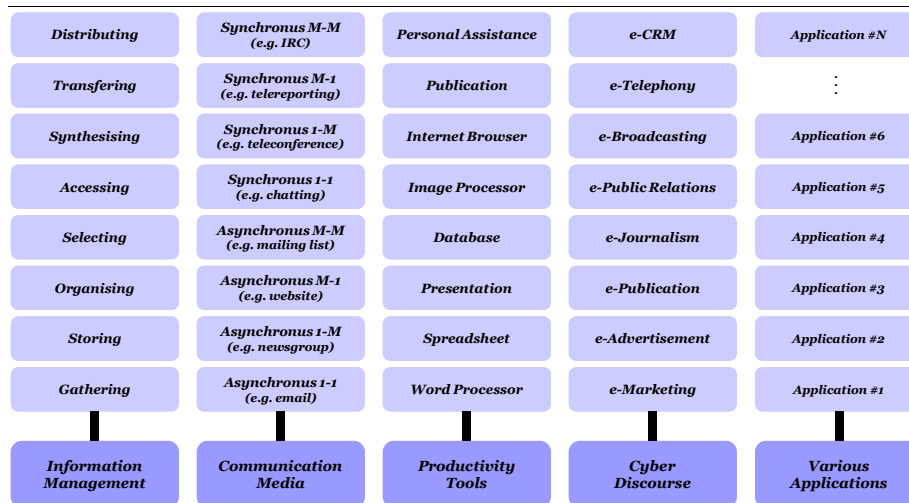
## ICT-Enabled Worker: Core Competencies



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## ICT-Enabled Worker: Special Skills



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## Profession-Curriculum Mapping



### PEMETAAN STANDARD PROFESI BIDANG INFORMATIKA

1	PROFESI	PROGRAM STUDI			PENGETAHUAN INTI										PEMINATAN DAN SPESIALISASI											
		C S N	I S T E	I T E	C L	A B	P A	C Y	I T	C D	C R	H C	D M	S S	S L	R C	E A	I T	I D	A K	I K					
EM1	Chief Information Officer			P	B	H	M	M	A	H	H	M	H	M	H	M	M	4	5	4	1	5	3	3	4	5
EM2	Chief Information Officer (Small Enterprise)			P	B	L	L	M	H	H	M	M	M	M	M	M	M	3	3	3	2	4	3	3	4	5
EM3	Chief Technology Officer		S	P		M	M	H	H	H	M	H	M	M	M	M	M	5	5	5	4	4	3	3	4	5
EM4	Chief Security Officer		S	P		H	M	H	H	M	M	M	M	M	M	M	M	4	3	4	4	4	3	3	4	5
EM5	Vice President Administration			P	S	M	L	M	H	L	M	M	M	L	L	L	L	3	4	2	2	2	3	3	4	5
EM6	Vice Consulting Services			P	S	M	M	M	H	H	M	M	M	M	M	M	M	4	4	3	1	4	3	3	4	5
EM7	Vice President Human Resources			P	S	M	M	M	H	H	L	L	M	H	L	L	L	2	4	2	2	3	3	3	4	5
EM8	Vice President Information Services			P	S	M	M	H	H	H	M	H	M	H	L	L	L	3	4	4	1	4	3	3	4	5

EM: Executive Management  
SM: Senior Management  
MM: Middle Management  
ST: Supervisor-Staff

P: Primary  
S: Secondary

H: High  
M: Medium  
L: Low

1: Basic  
2: Novice  
3: Intermediate  
4: Advance  
5: Expert

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Tanya Jawab

**The End**