

JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)  
THE MINISTRY OF ENERGY, COMMUNICATIONS AND MULTIMEDIA

**THE STUDY  
ON  
ENHANCEMENT OF INFO-COMMUNICATIONS  
ACCESS IN RURAL COMMUNITIES  
IN  
MALAYSIA  
FINAL REPORT  
VOL.3 : SUPPORTING REPORT**



March 2003

**NIPPON KOEI CO., LTD.  
INFOCOM RESEARCH, INC.**

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## ABBREVIATIONS

ADSL	: Asymmetric Digital Subscriber Line
APDIP	: Asia-Pacific Development Information Programme
ASP	: Active Server Pages
AVR	: Automatic Voltage Regulator
BBS	: bulletin board system
BEV	: Blacksburg Electronic Village
BOT	: Build-Operate-Transfer
BPPB	: Development, Privatization and Supply Division
C&M	: Communication and Multimedia
CCK	: Complementary Code Keying
CDMA	: Code Division Multiple Access
CDMA FWA	: Code Division Multiple Access Fixed Wireless Access
CD-R/RW	: Compact Disc - Recordable/ReWritble
CD-ROM	: Compact Disc – Read Only Memory
CGI	: Common Gateway Interface
CIO	: Chief Information Officer
CMA	: Communications and Multimedia Act
CMD	: Communications and Multimedia Division
COM	: Component Program
CPU	: Central Processing Unit
DAGS	: Demonstrator Application Grants Scheme
DHCP	: Dynamic Host Configuration Protocol
DLL	: Dynamic Link Library
DO	: District Office/Officer
DOS	: Disk Operating System
DOS	: Department of Statistics
DSL	: Digital Subscriber Line
DTTB	: Digital Cable TV
E-BP	: e-Bario Project
EC	: Electronic Commerce
ELFL	: e-Learning for Life
EPU	: Economic Planning Unit
FD	: Floppy Disk
FDI	: Foreign Direct Investment
FID	: Framework for Industry Development
FTP	: File Transfer Protocol
FTTH	: Fiber To The Home
GB	: Giga Bite

GDW	: Gerakan Desa Wawasan (Village Vision Movement in English)
GHz	: Giga-Hertz
GNP	: Gross National Product
HD	: Hard Disc
HP	: Home Page
HTML	: Hyper Text Markup Language
ICT	: Information and Communication Technology
IEEE	: Institute of Electronic and Electronics Engineers
IIS	: Internet Information Server
INFRA	: Institute for Rural Advancement
INTAN	: National Institute for Public Administration
IP	: Internet Protocol
ISAC	: IT Skill Assessment and Certification
ISDN	: Integrated Services Digital Network
ISP	: Internet Service Provider
IT	: Information Technology
JICA	: Japan International Cooperation Agency
JKKK	: Jawatankuasa Keselamatan dan Kemajuan Kampung (Village Security and Development Committee in English)
JKTPID	: PID Technical Committee
JPPID	: PID Steering Committee
JPY	: Japanese Yen
KB	: Kilo Bite
Kbps	: Kilo-bits per second
KL	: Kuala Lumpur
KPLB	: Kementerian Pembangunan Luar Bandar (Ministry of Rural Development in English)
KW	: Kilo-Watt
LAN	: Local Area Network
LCD	: Liquid Crystal Display
MANPU	: Malaysian Administrative Modernization and Management Planning Unit : Mega Byte(s)
Mbps	: Mega-bits per second
MCMC	: Malaysian Communications and Multimedia Commission
MDC	: Multimedia Development Corporation
MECM	: Ministry of Energy, Communications and Multimedia
MID	: Medan Info-Desa
MIMOS	: Malaysian Institute of Microelectronic Systems
MIU	: Mobile Internet Unit

MNCC	: Gabungan Komputer Nasional Malaysia
MODEM	: Modulator-demodulator
MOE	: Ministry of Education
MORD	: Ministry of Rural Development
MRD	: Ministry of Rural Development
MS	: Microsoft
MSC	: Multimedia Super Corridor
MTBF	: Mean Time Between Failures
MTM	: Mouse Training Module
MTS	: Microsoft Transaction Server
MTTR	: Mean Time To Repair
NGO	: Non Governmental Organization
NPO	: Non Profit Organization
O&M	: Operation and Management
OJT	: On the Job Training
OPP	: Outline Perspective Plan
OS	: Operating System
PC	: Personal Computer
PID	: Program Info-Desa
POS	: Pos Malaysia Berhad
PSK	: Phrase Shift
PTA	: Parent Teacher Association
R&D	: Research & Development
RAM	: Random Access Memory
RIC	: Rural Internet Center
RIP	: Rural Internet Program
RM	: Ringgit Malaysia
SC	: Steering Committee
SEM	: Self Examination Module
SMTP	: Simple Mail Transfer Protocol
SNMP	: Simple Network Management Protocol
STCD	: Self Tutorial Compact Disc
STD	: Standard
STIC	: Strategic Thrust Implementation Committee
STM	: Self Training Module
TM	: Telecom Malaysia
TTM	: Typing Training Module
TV	: Television
UNDP	: United Nations Development Programme
UNIMAS	: Universti Malaysia Sarawak

UPS	: Uninterruptible Power Supply
URL	: Universal Resource Locator
US/USA	: United States of America
USB	: Universal Serial Bus
USO	: Universal Service Obligation
USP	: Universal Service Provision
VB	: Visual Basic
VBA	: Visual Basic for Applications
VCD	: Video Compact Disc
VSAT	: Very Small Aperture Terminal
WG	: Working Group
WID	: Web Info-Desa
WLL	: Wireless Local Loop
W/S	: Workshop
WS	: Workshop
WWW	: World Wide Web
XDE	: eXtended Development Environment