

Trends in new communications technologies

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1994

Boonkee P. (1994). Trends in new communications technologies. In AMIC Conference on Communication, Convergence and Development: Bangkok, Jun 23-25, 1994. Singapore: Asian Media Information and Communication Centre.

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Trends In New Communications Technologies

By

Boonkee Plangsiri

ITEND

IN

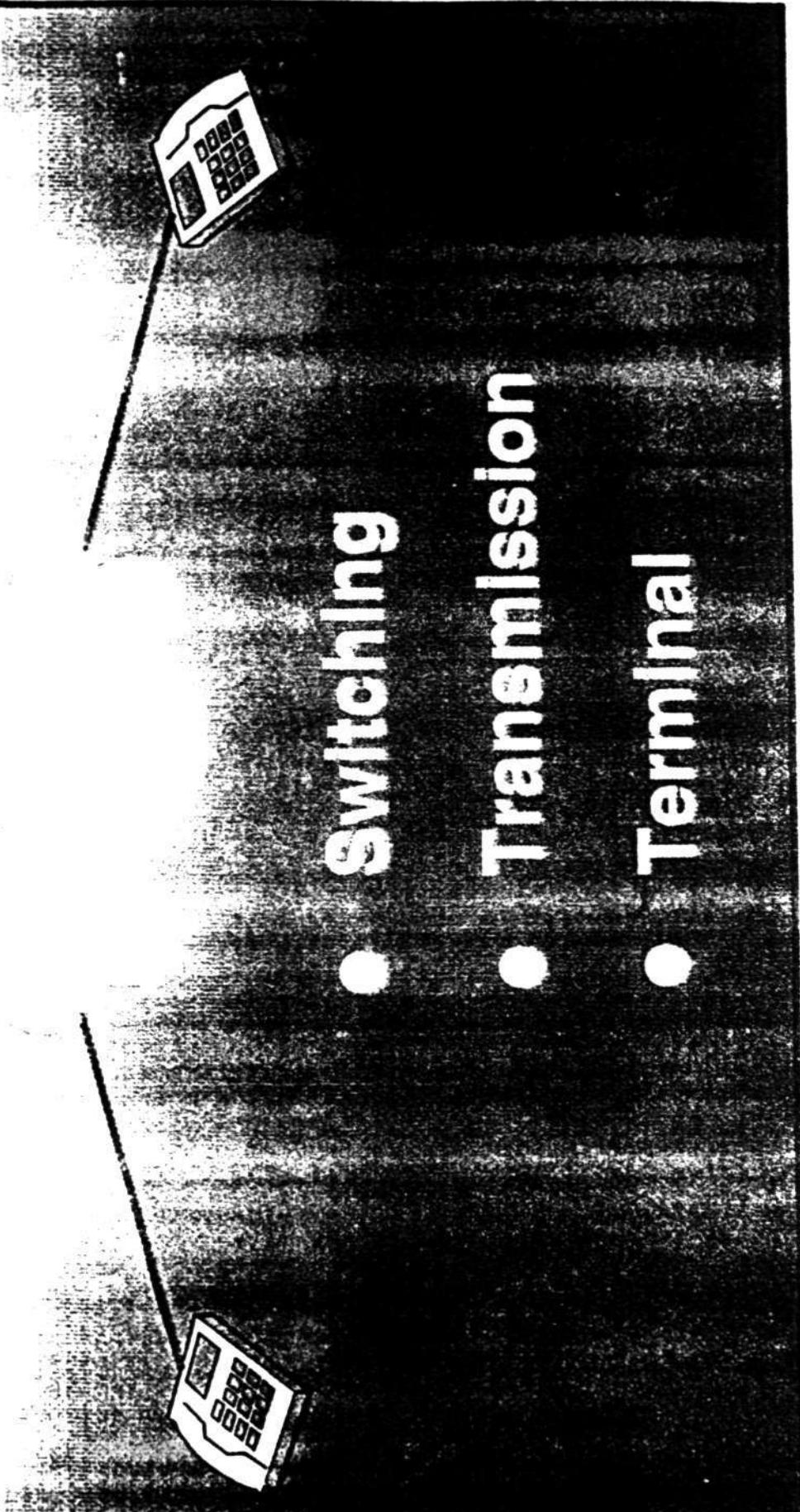
New Communications Technologies



CURRENT TECHNOLOGIES

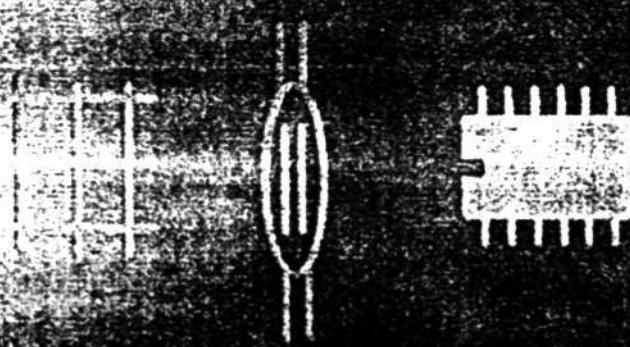
Can be divided into 3 major parts

- Switching
- Transmission
- Terminal



Switching Technologies

Electronics Switch - Store Program Control



Transmission Technologies

Microwave

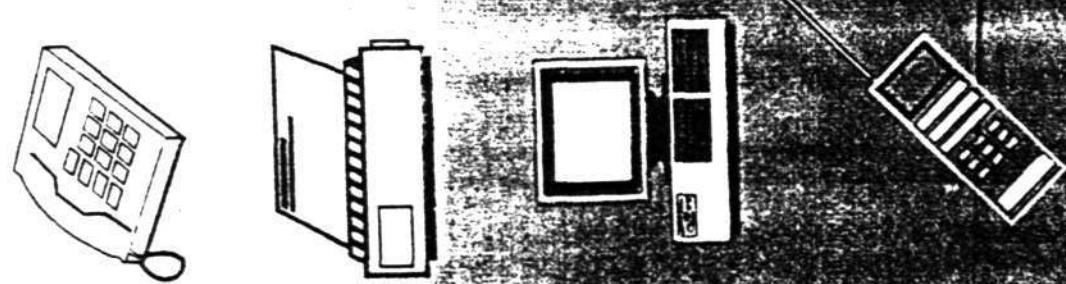
Fiber Optics

Satellite



3

Terminal Technologies



- Computer

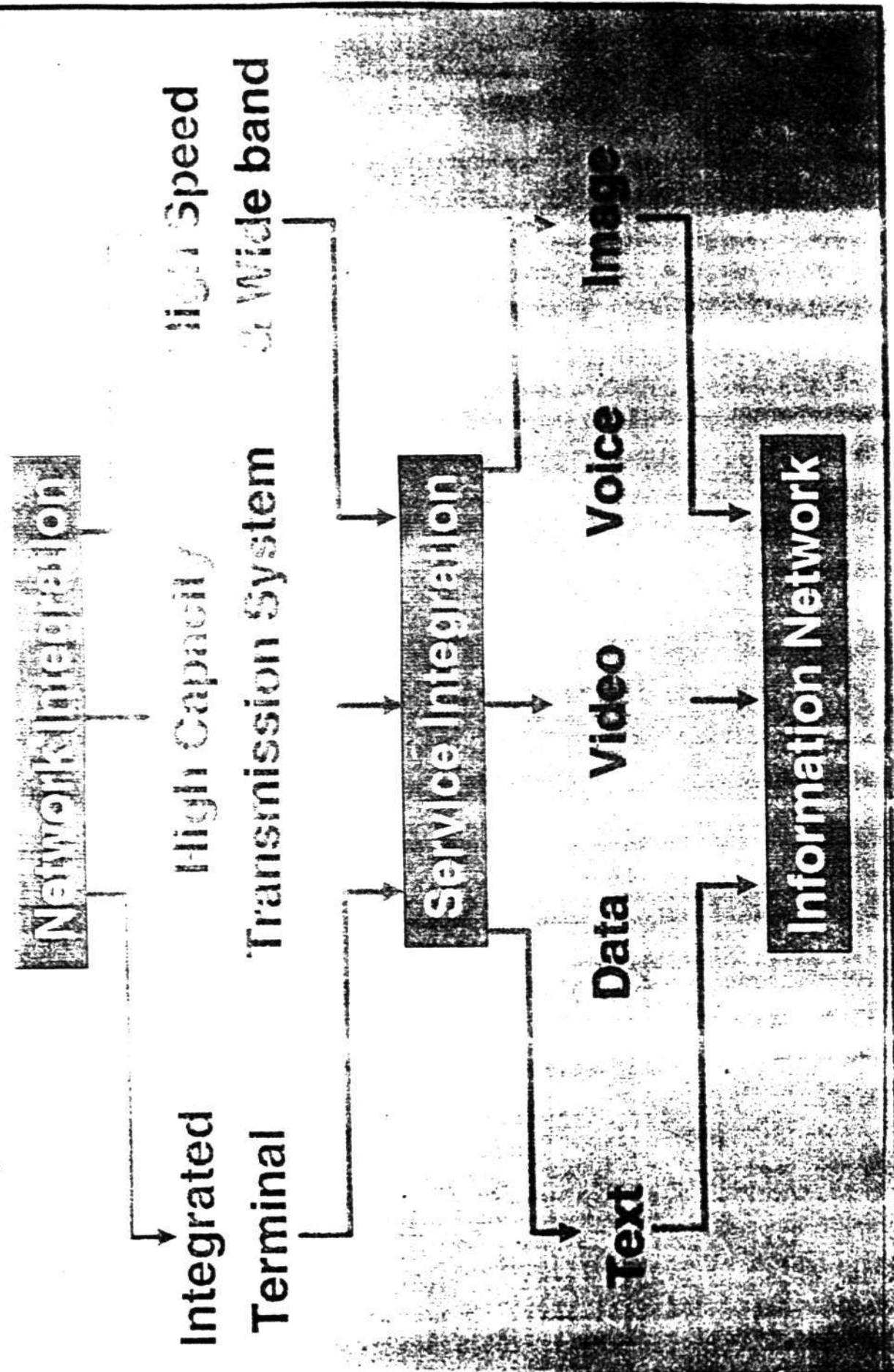
- Mobile

Developing Concept

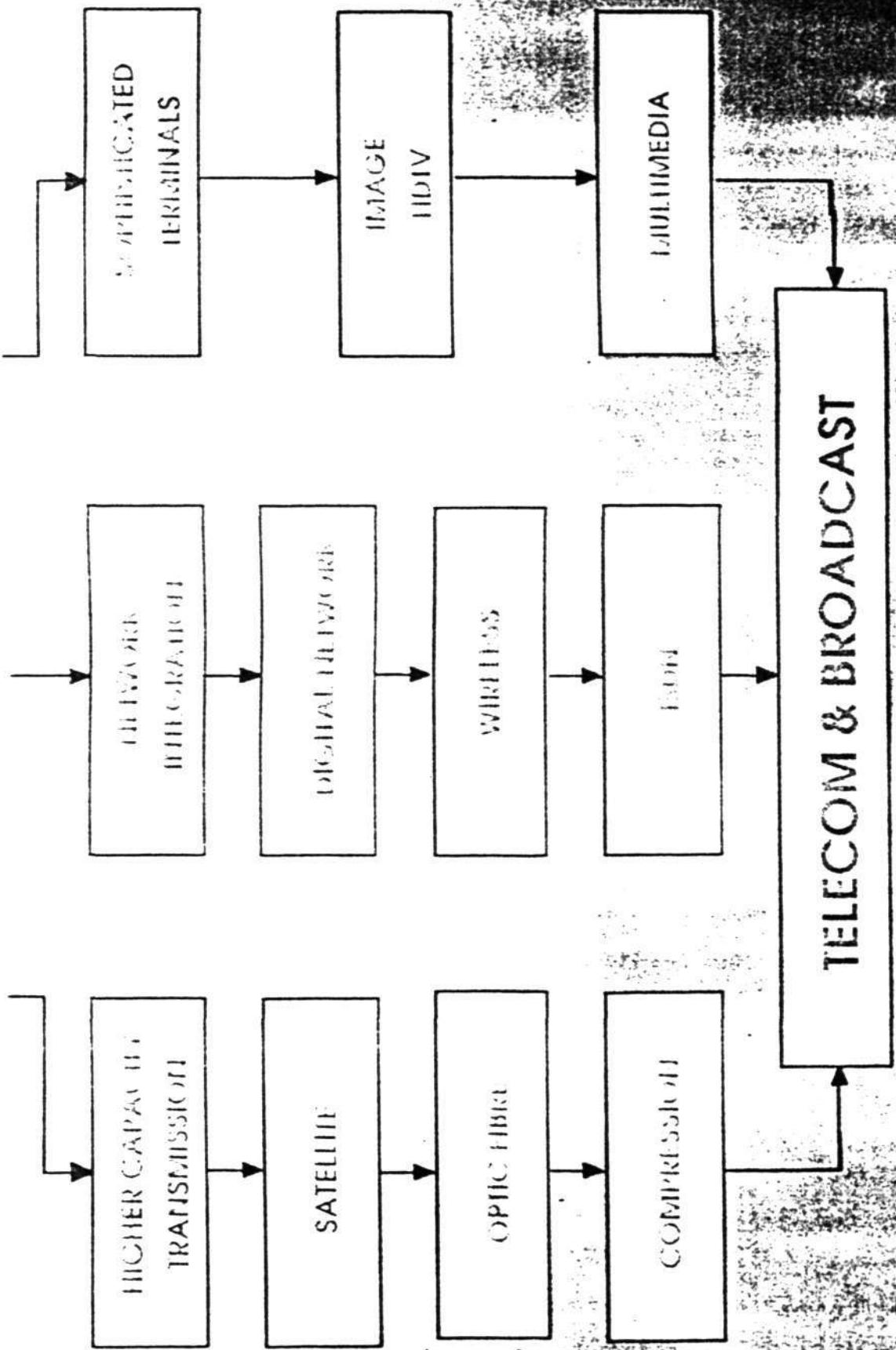
Integration of Services

Higher Capacity

Mobility

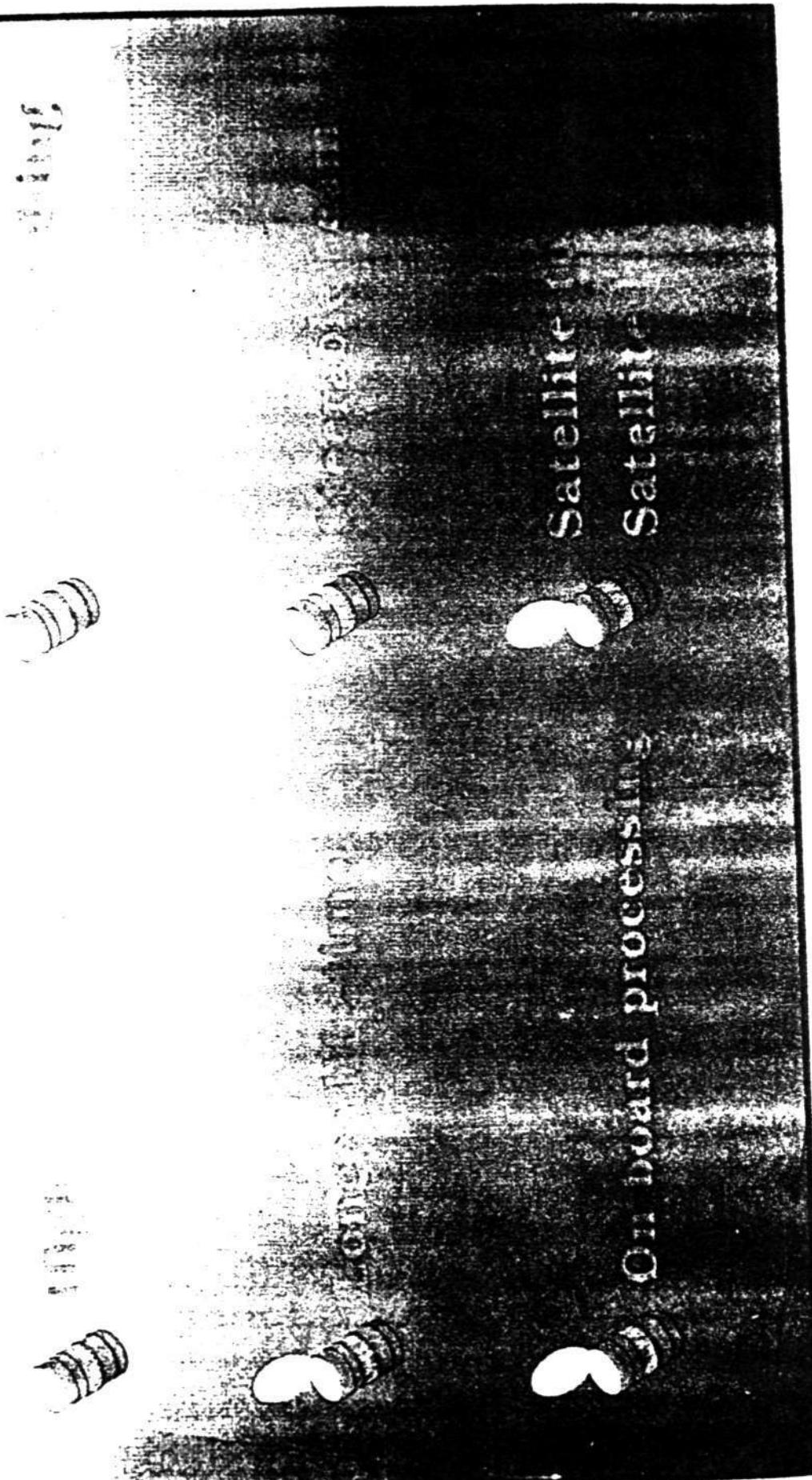


Directions of Services



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SEARCHED INDEXED
SERIALIZED FILED

Development of Satellite Onboard Processing Technology



Developmental
Opportunities

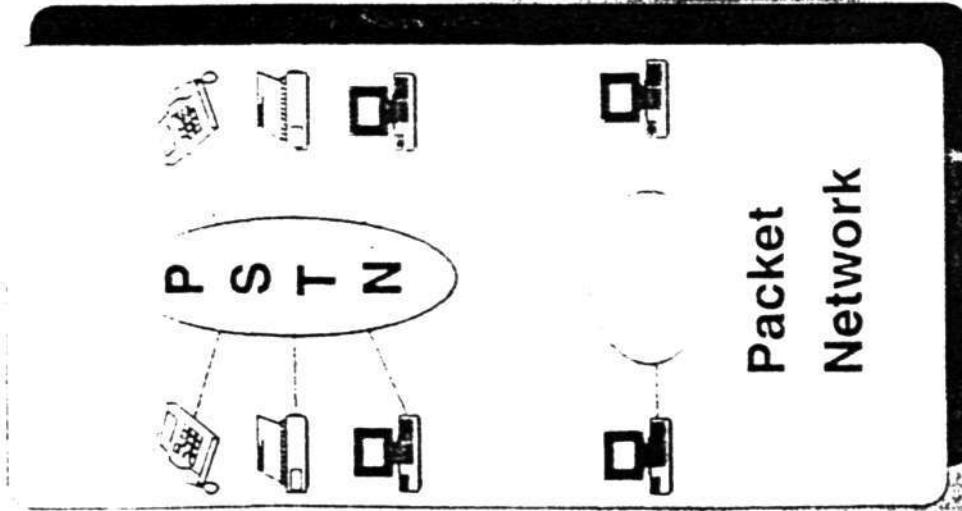


Hub-to-home

GlobalLoop

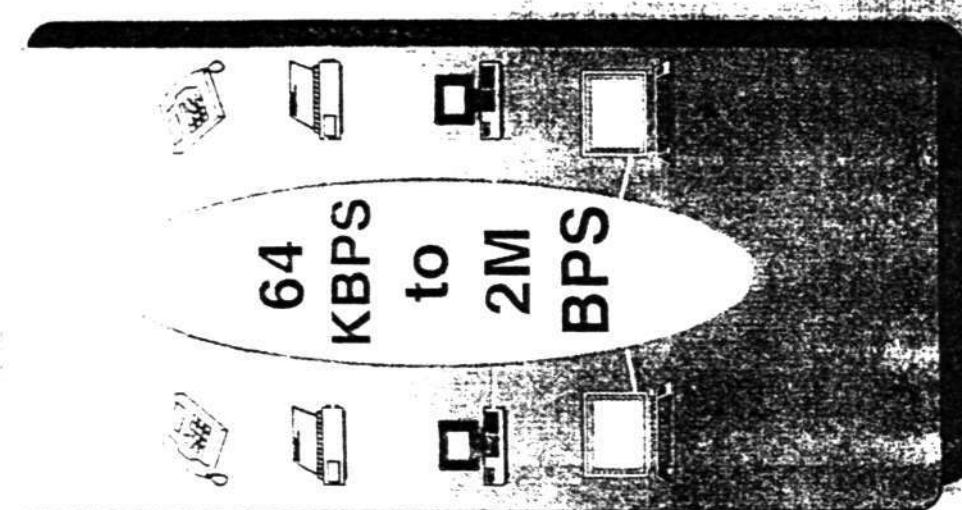
Evolution of Communications Network

Individual Network



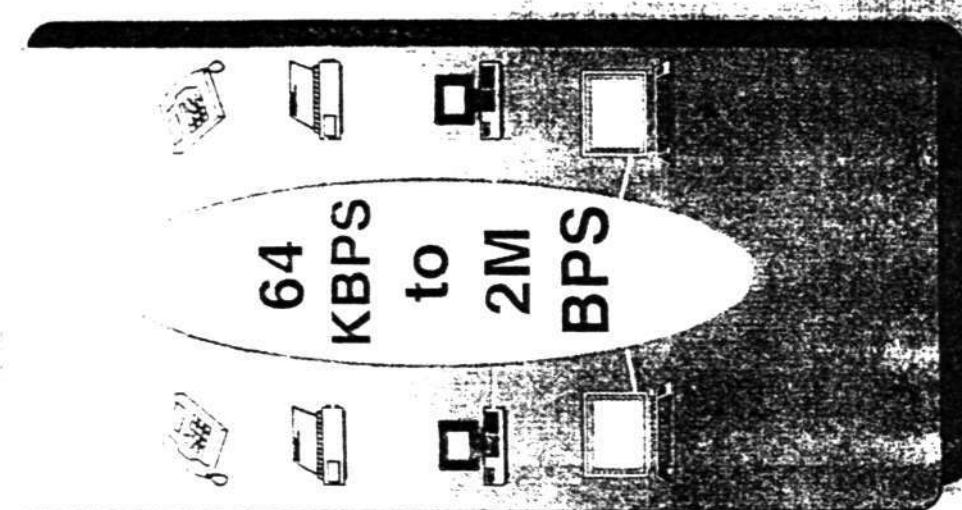
1980'S

Packet Network

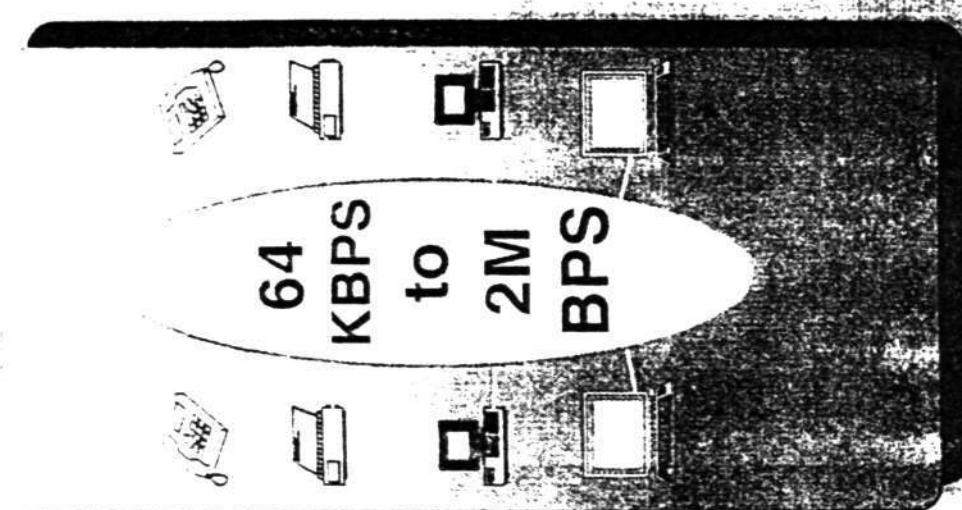


1990'S

ISDN

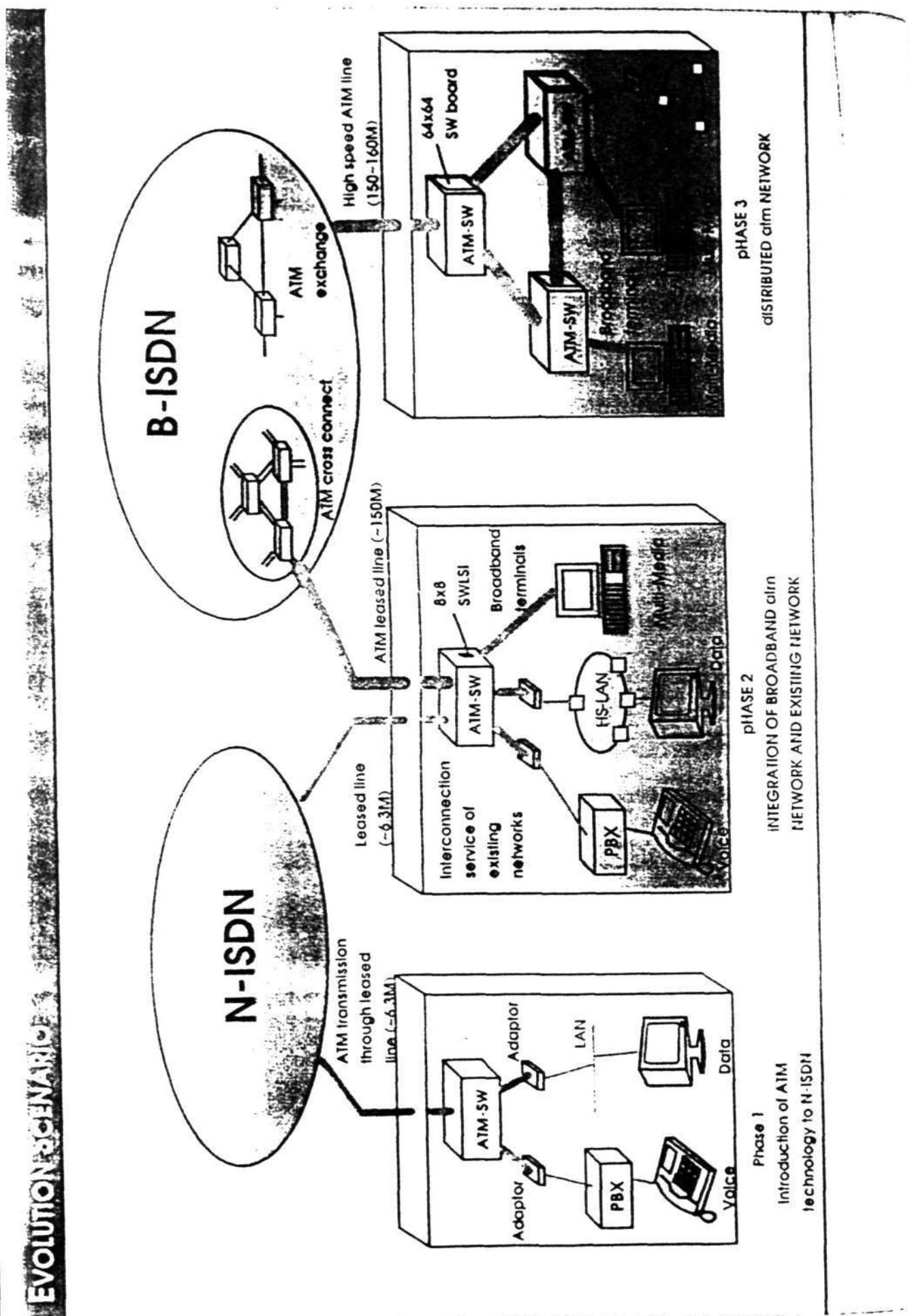


Broadband

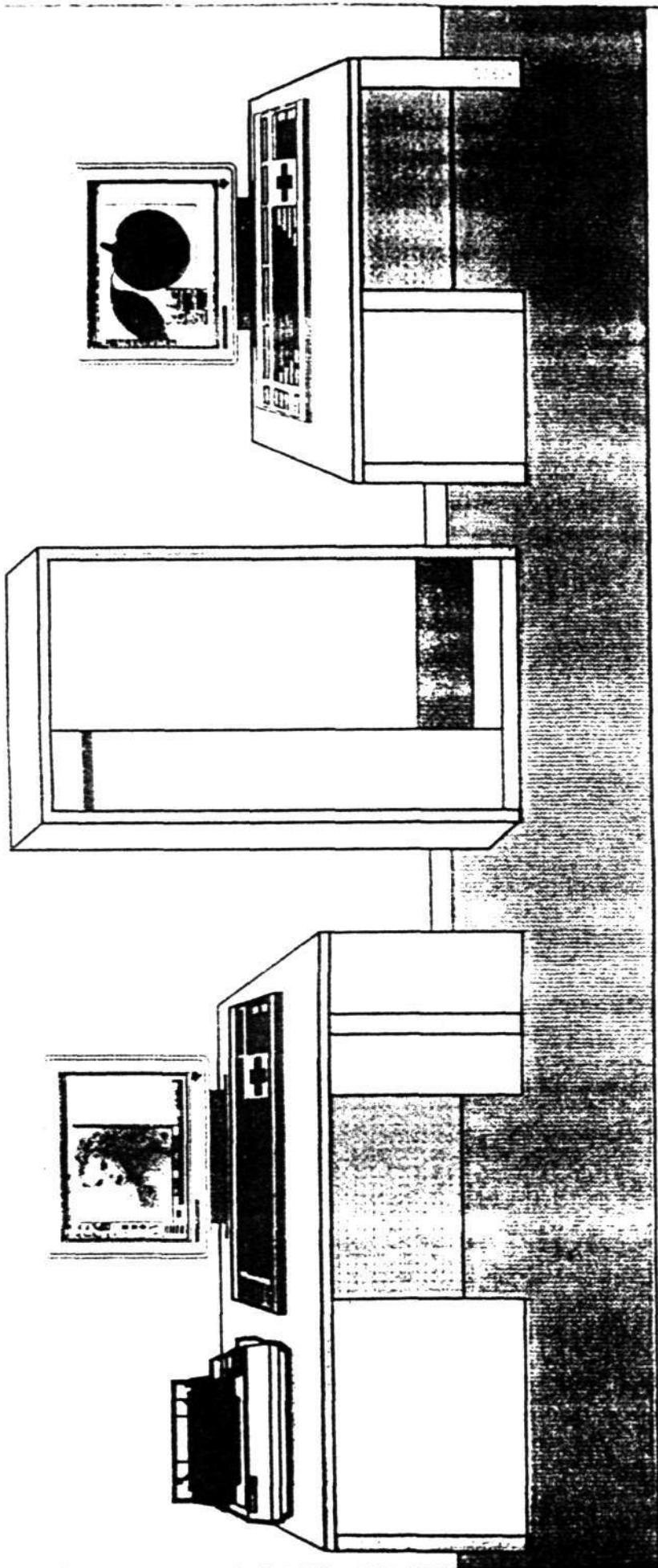


2000'S

LIMITED TRANSPARENCY

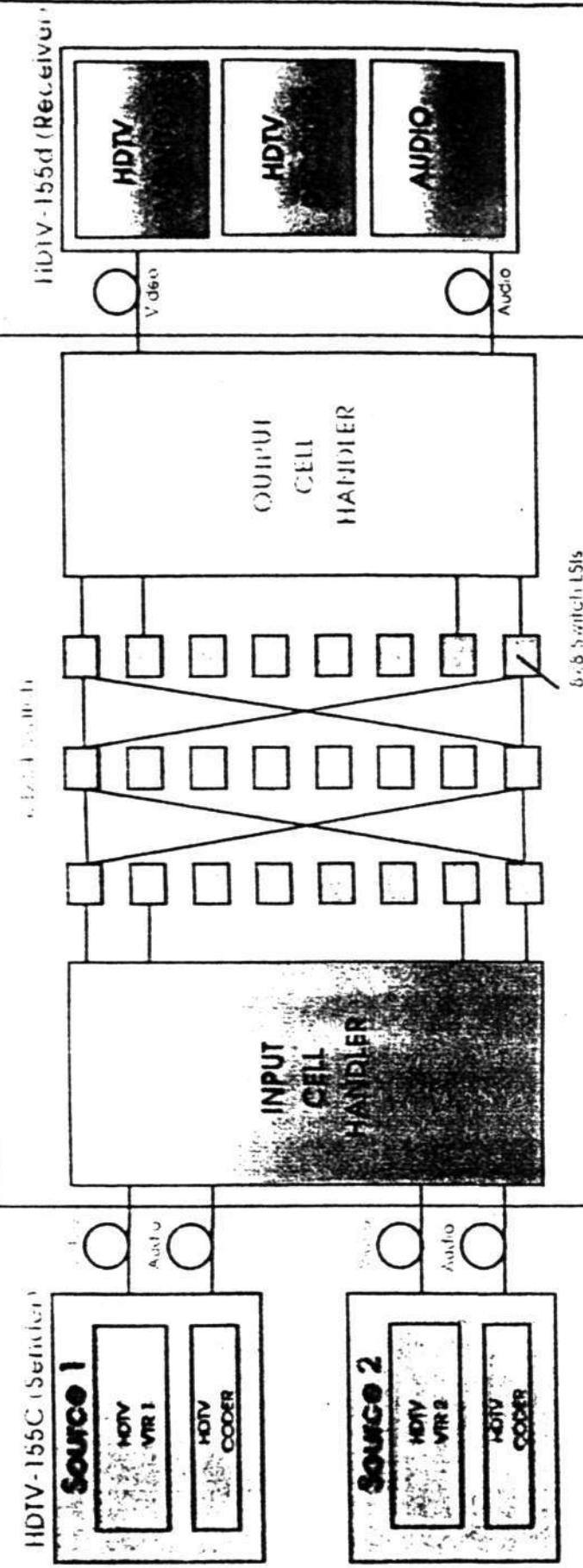


ATM Switching System



The ATM switching system supports multimedia communication. It makes possible communication by voice, data and full-motion video on a multimedia workstation.

ATM Demonstration System

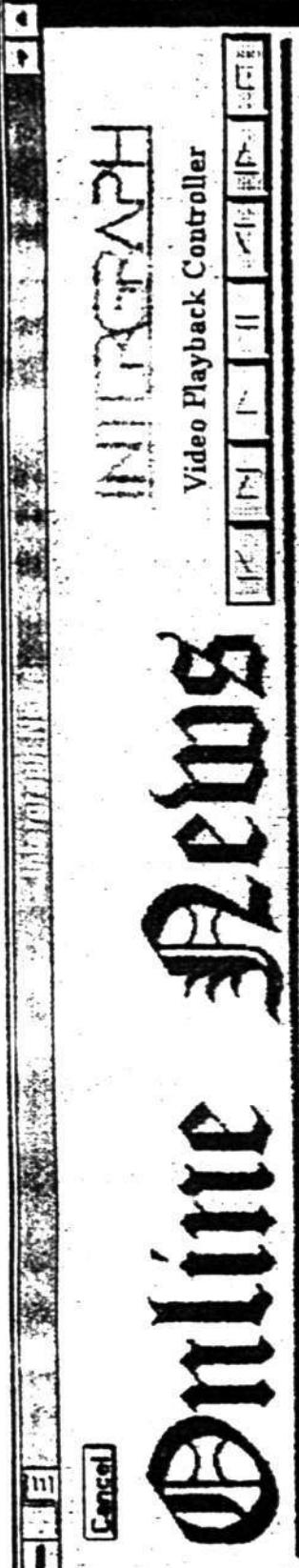


Multimedia Classroom Screen

Cancel

Online Drawing

Video Playback Controller



Cutting into New Territory with Surgical Software: SurgicCAD

Intergraph's advanced modeling software, combined with medical technology, brings new possibilities to joint replacement surgery.

Taking off with Intergraph

The Hong Kong Airport Authority will have the new airport and associated utilities projects designed with Intergraph software.

View Text

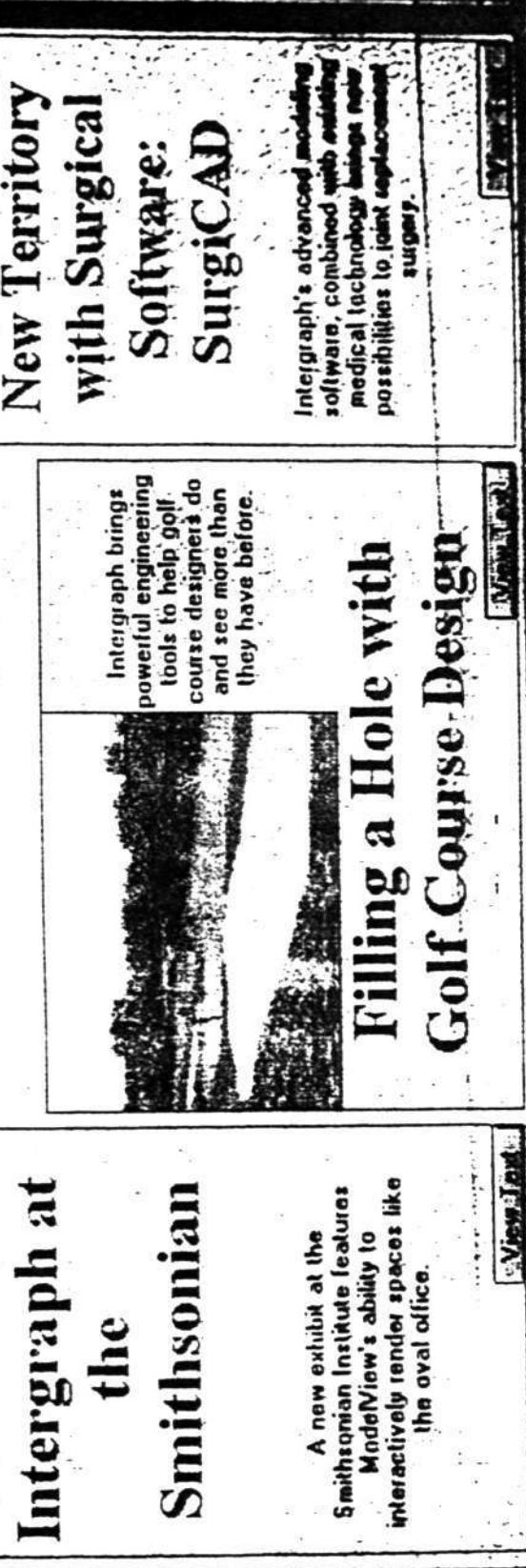


Intergraph at the Smithsonian

A new exhibit at the Smithsonian Institute features ModView's ability to interactively render spaces like the oval office.

View Text

Filling a Hole with Golf Course Design



EXECUTIVE OF WING CHUN APPLICATION



Technology pull
Market push

or

Market push

SEARCHHEAD TRANSPARENCY

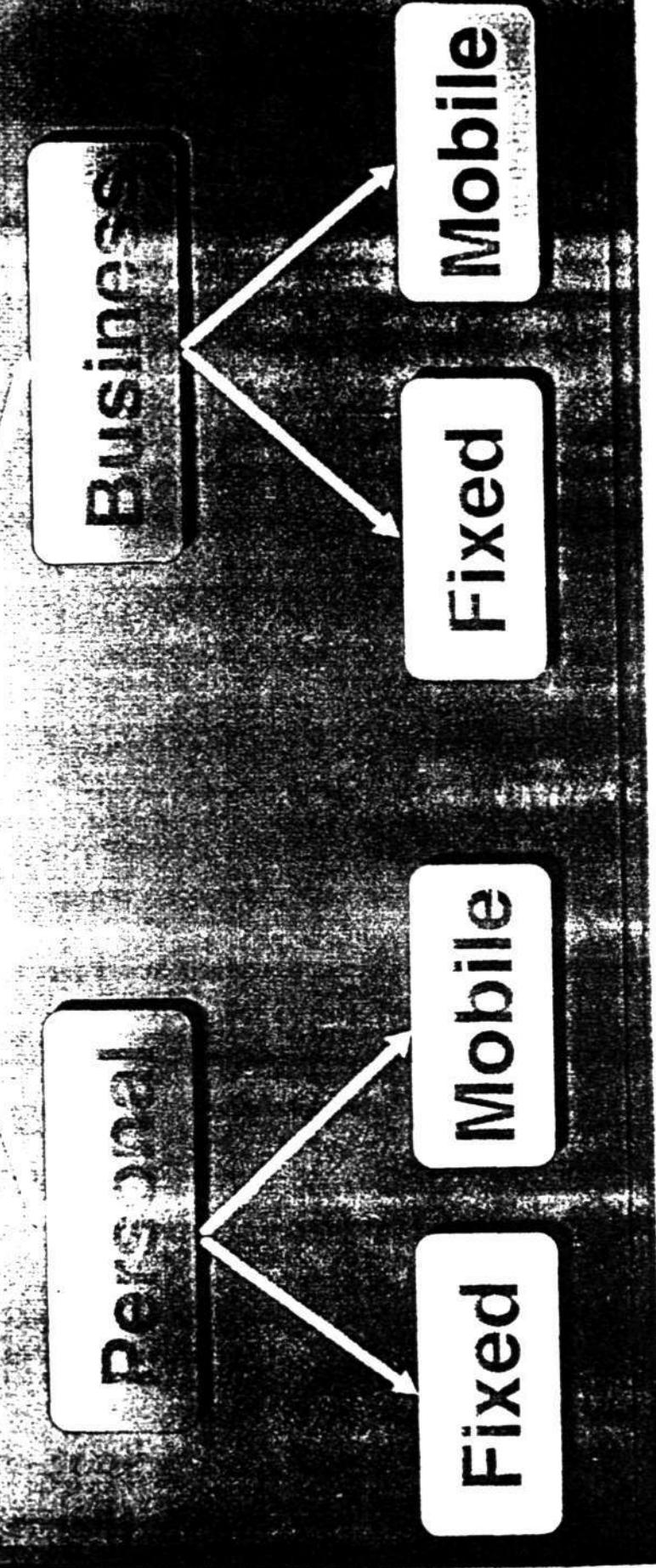
Technology Driven: Analog → Digital The Digitization of Video / Music / Data

Communication

Computer

Superhighway

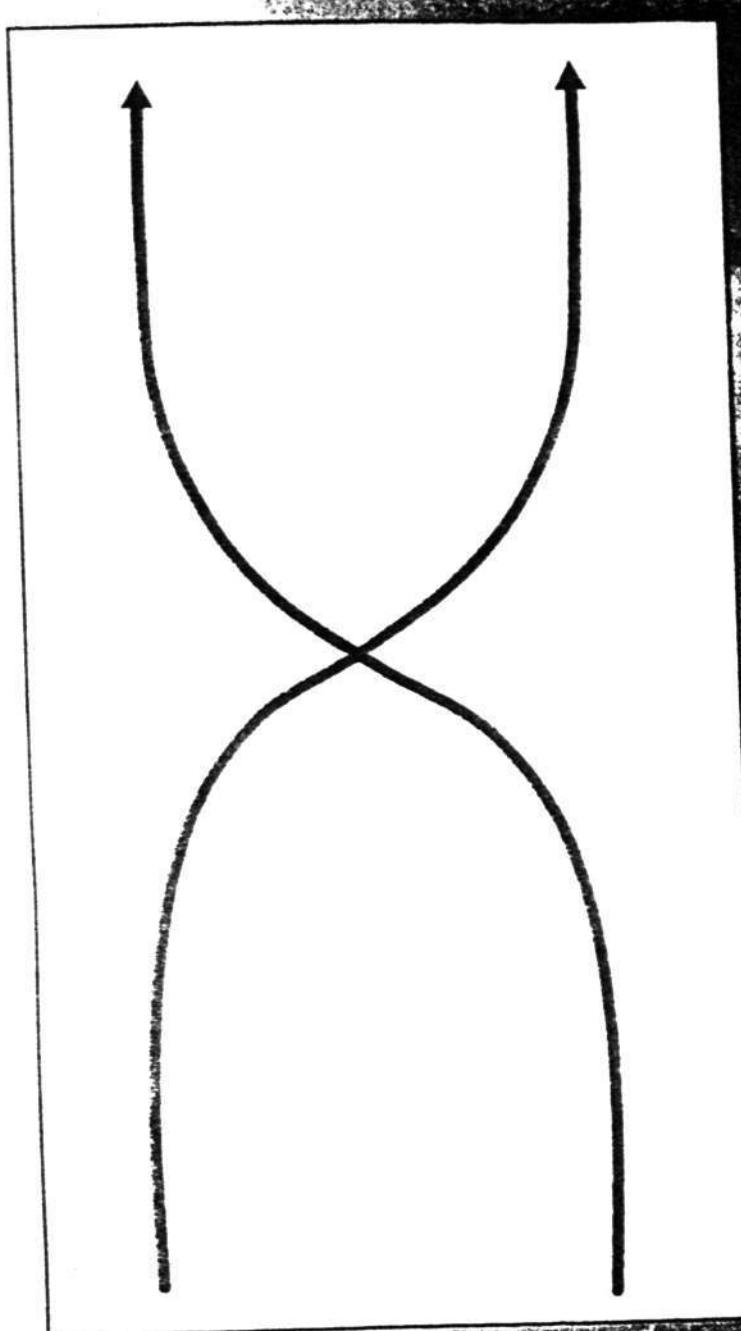
Customer need



An Emerging Communication Means

Call for Address

Broadcast
Transmission



1990

2010

Source: Scientific American, September 1991.

Impact on Society

inced

Document

Working at home
Quality work

Future Trend in Technologies

Switching P-ISP / ATM

