

Strategic Response by Public Networks
to Private Networks in Japan

Koichiro Hayashi

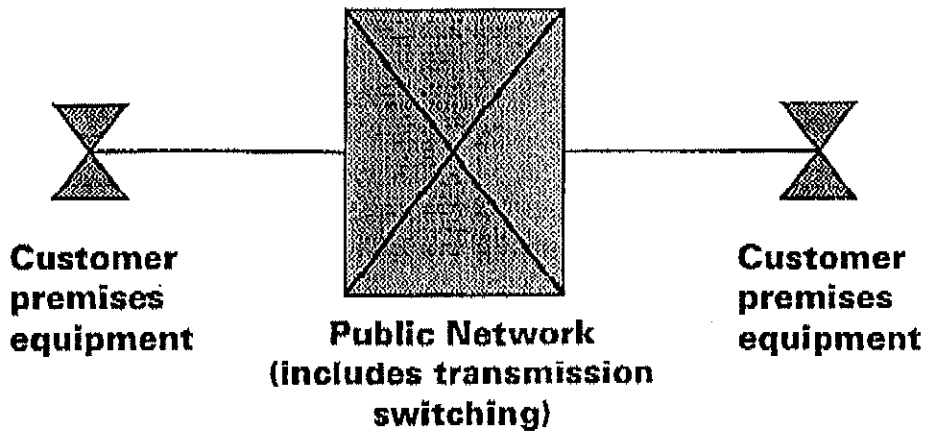
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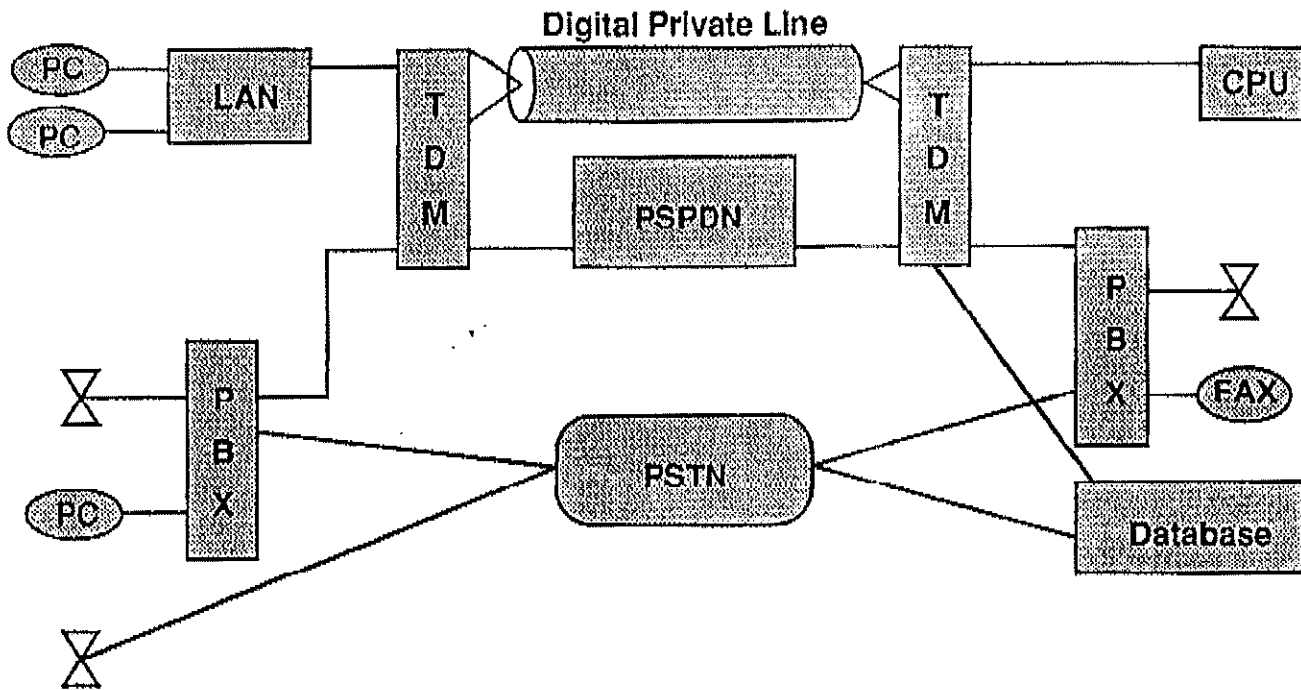
**Strategic Response
By
Public Networks
To
Private Networking In Japan**

By

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The Old Regime (POTS)



The New Environment

- CPU: Host computer (central processing unit)
- LAN: Local area network
- PBX: Private branch exchange
- PC: Personal computer or workstation
- PSTN: Public Switched telephone network
- PSPDN: Packet-switched public data network
- TPM: Time-division multiplexer

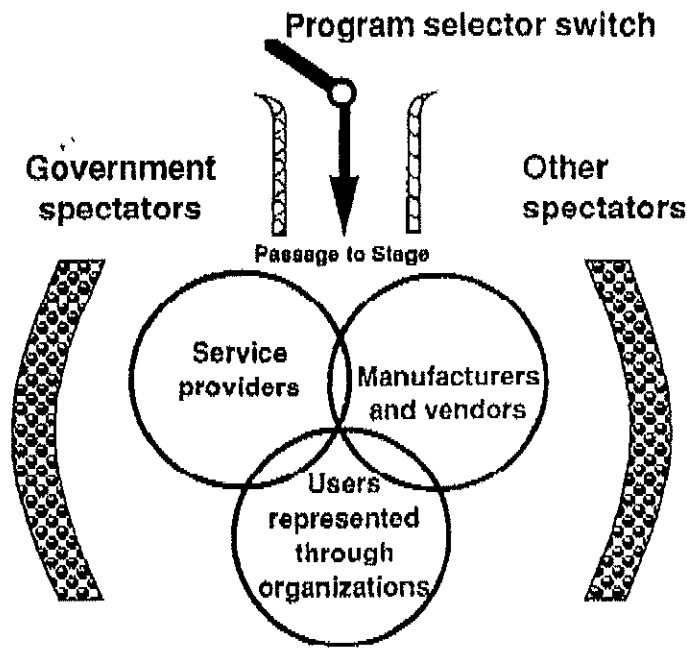
Triple-Multi Environment

Multi -vendor

Multi-provider

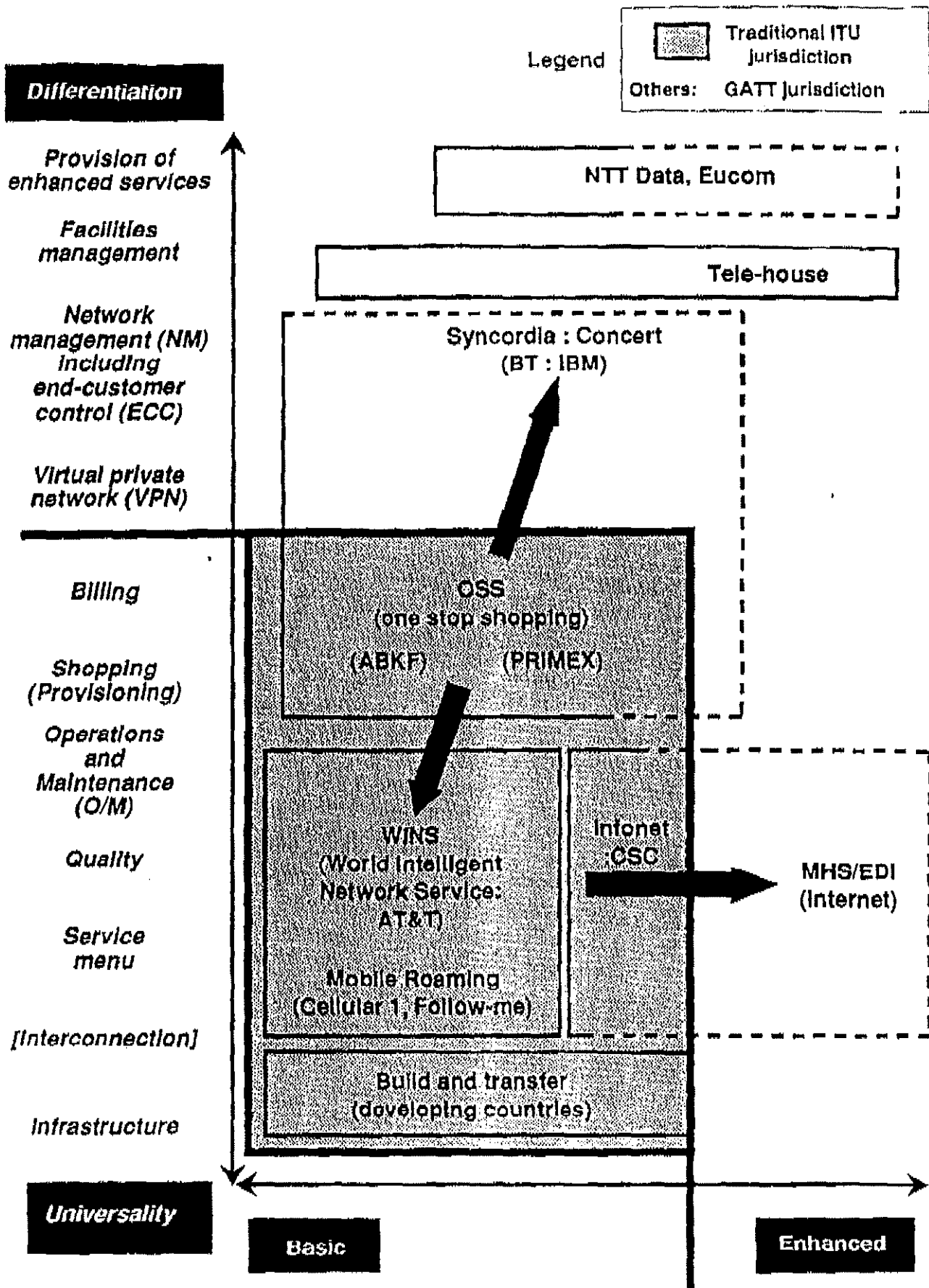
Multi-carrier

The Staging Enterprises



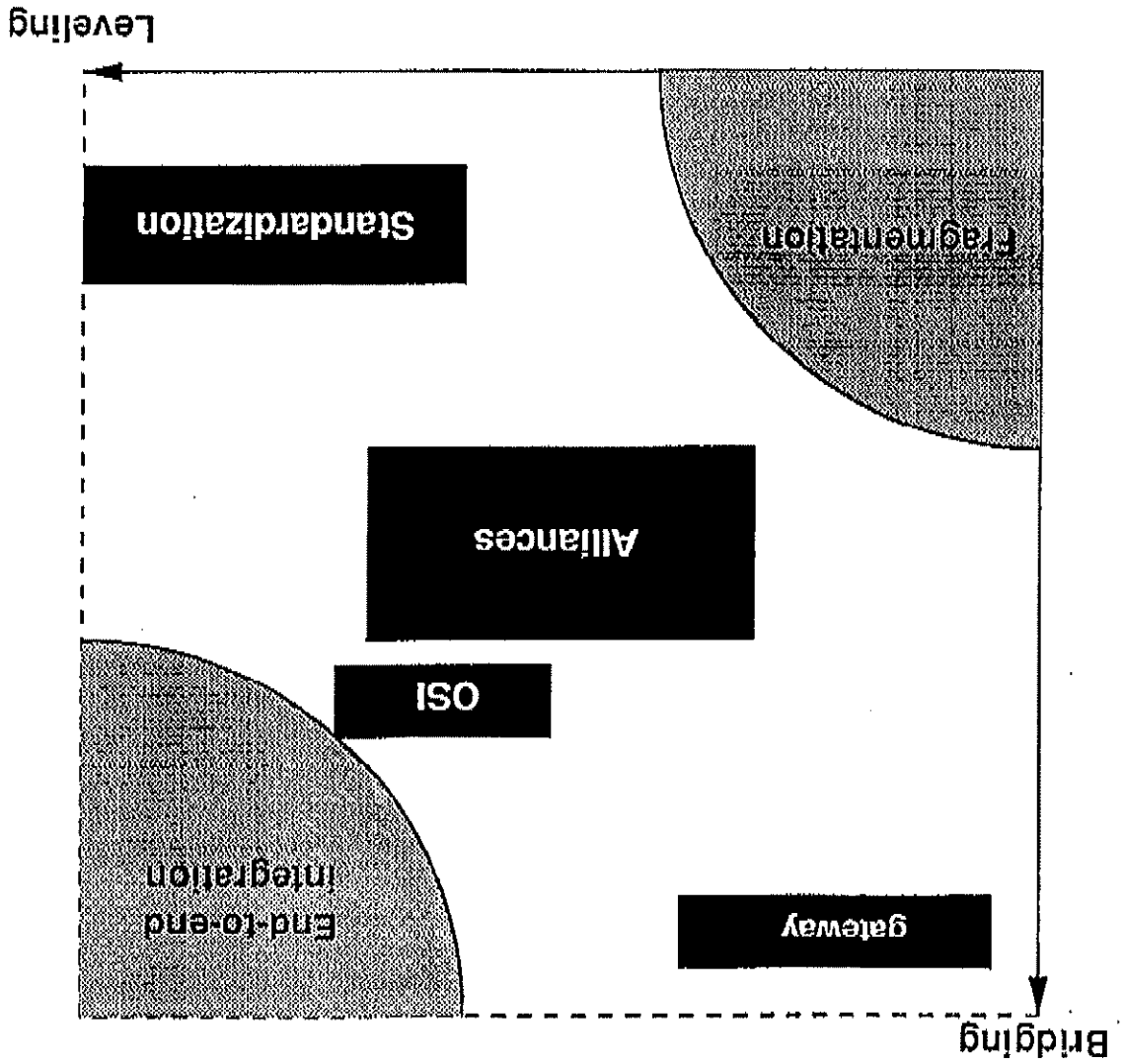
Scenario for Standards-centered competition — a three ring circus

Source: Gerd Wallenstein; 'Setting Global Telecommunication Standards—the stakes, the players and the process', Artech House, MA, USA. 1990



Expansion of common carriers' activities

Leveling / Bridging Map



Implications---

- (1.) No Single Dominant Carrier**
- (2.) No Single Measure**
- (3.) User's Voice Becomes Stronger**
- (4.) Common Carriage Vs. Contract Carriage**
- (5.) ITU vs. GATT**
- (6.) Combining Multiple Private Networks
Does Not Produce The Equivalent Of
A Public Network**