
Broadband Service Deployment Experiences in Japan

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Present Situation in NTT

March 2006

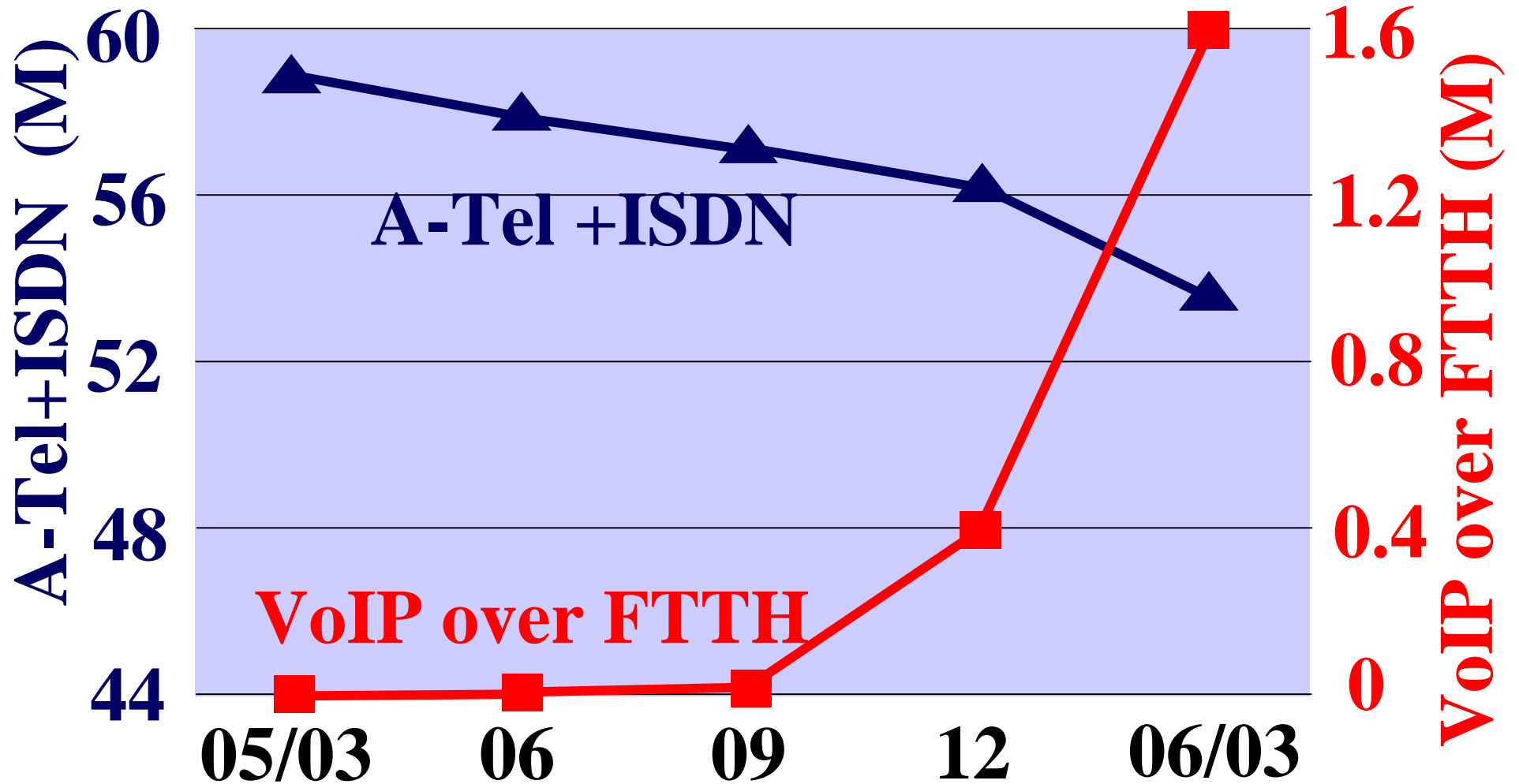
| | | |
|-------------|--------------|--------------|
| FTTH | 265 k | 3.4 M |
|-------------|--------------|--------------|

| | | |
|-------------|--------------|--------------|
| ADSL | -22 k | 5.7 M |
|-------------|--------------|--------------|

| | | |
|------------|----------------|---------------|
| 3 G | 1,448 k | 22.0 M |
|------------|----------------|---------------|

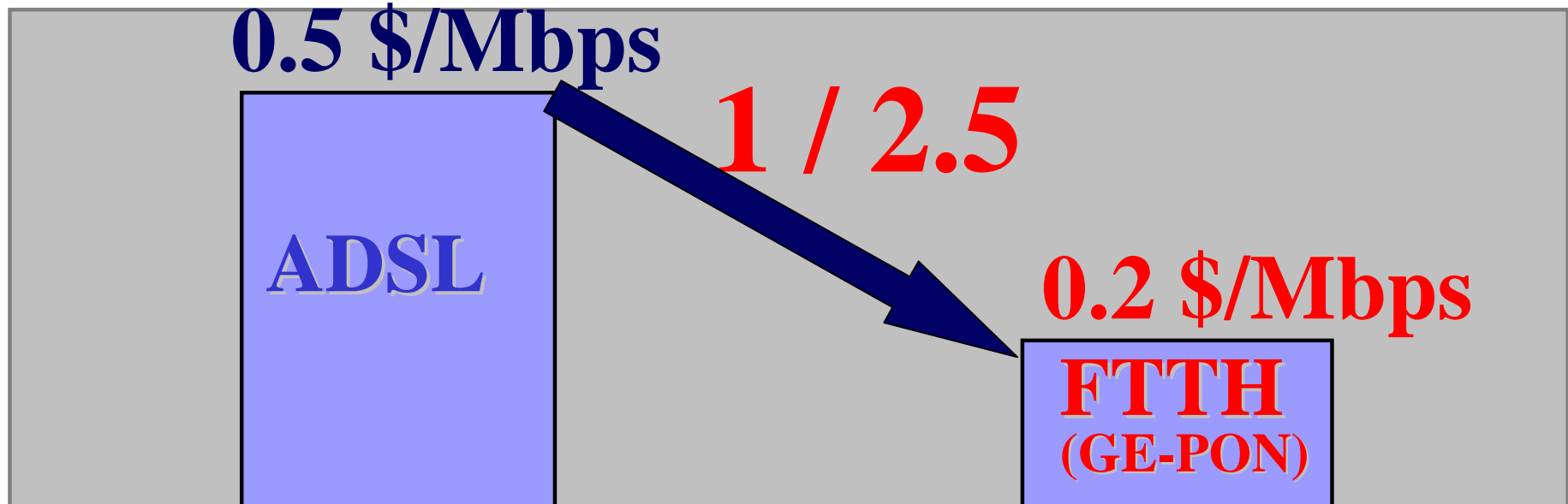
| | | |
|------------|---------------|---------------|
| 2 G | -963 k | 28.6 M |
|------------|---------------|---------------|

Rapid Shift to VoIP

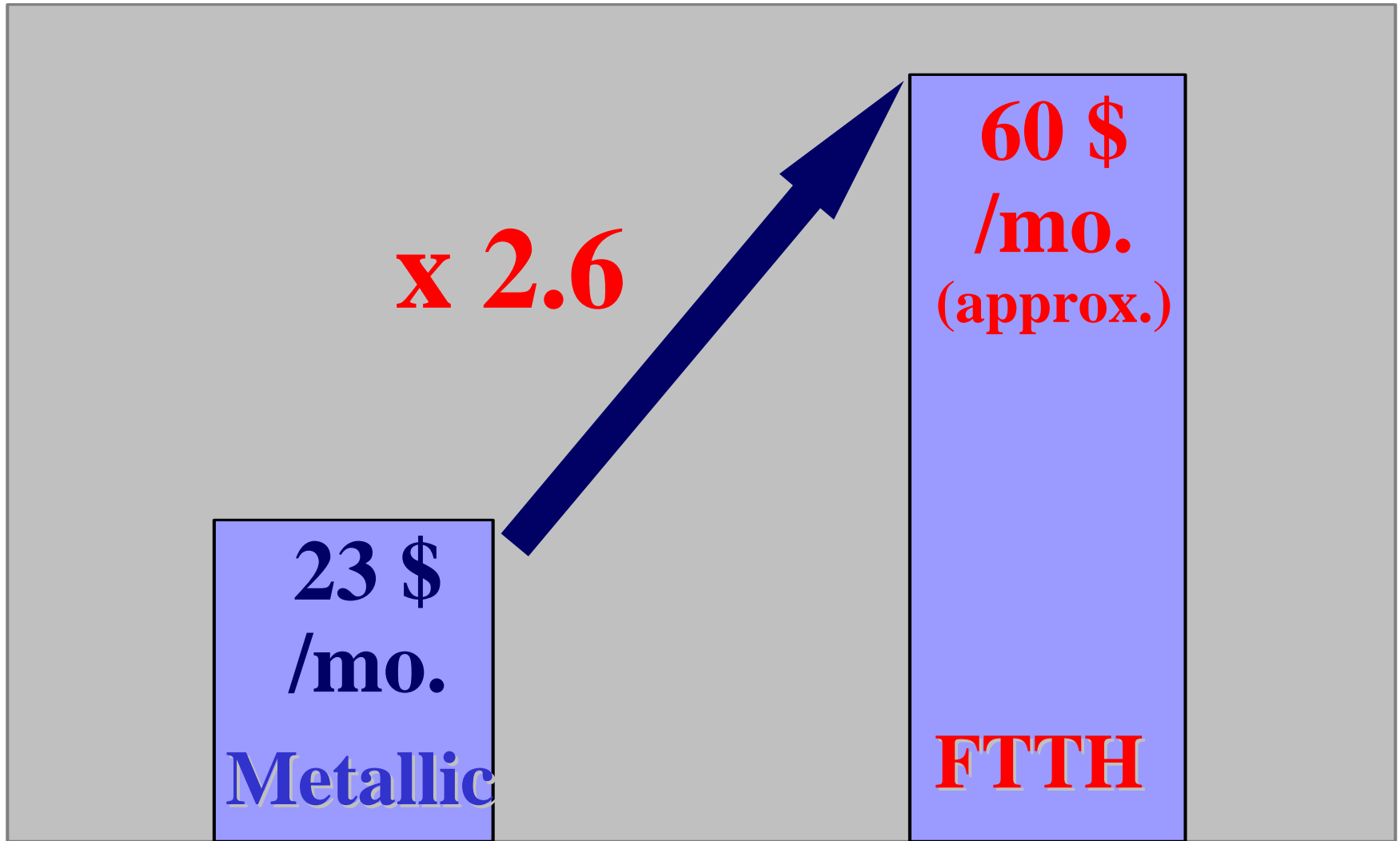


Why FTTH & VoIP – Price -

| | Max. Speed Down/Up (Mbps) | Monthly Charge (US\$) |
|-------------|--------------------------------------|----------------------------------|
| ADSL | 47 / 5 | 22.3 |
| FTTH | 100 / 100 | 22.1 |



Why FTTH & VoIP – ARPU -



Why NGN for NTT/Japan

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1. Social Demand

- i) Shift to Broadband & Service Convergence*
- ii) New infrastructure toward “Aged Society”*

2. Internal Demand

- i) Life time of existing digital switch*
- ii) More competitive in ever-changing business environment*



Solutions ONLY by NGN

1. Contribute to National Target as *e-Japan* and *u-Japan*

- *various services*
- *fixed-mobile/wireless convergence*
- *human-machine-environment-
information-communication-time*
- *sustainable, safe, secure, convenient*

2. Build a next-generation network that is
open, flexible, easy-to-use, in-
operable, and safe&secure

=> 30 million FTTH users by 2010

- *field trials in 2006*
- *commercial core network from 2006*
- *Commercial service edges from 2007*

NTT's NGN Strategy (Cont'd)

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3. Seamlessly migrate from existing *public switched telephony to IP telephony*, and from *copper wire to optical fiber*

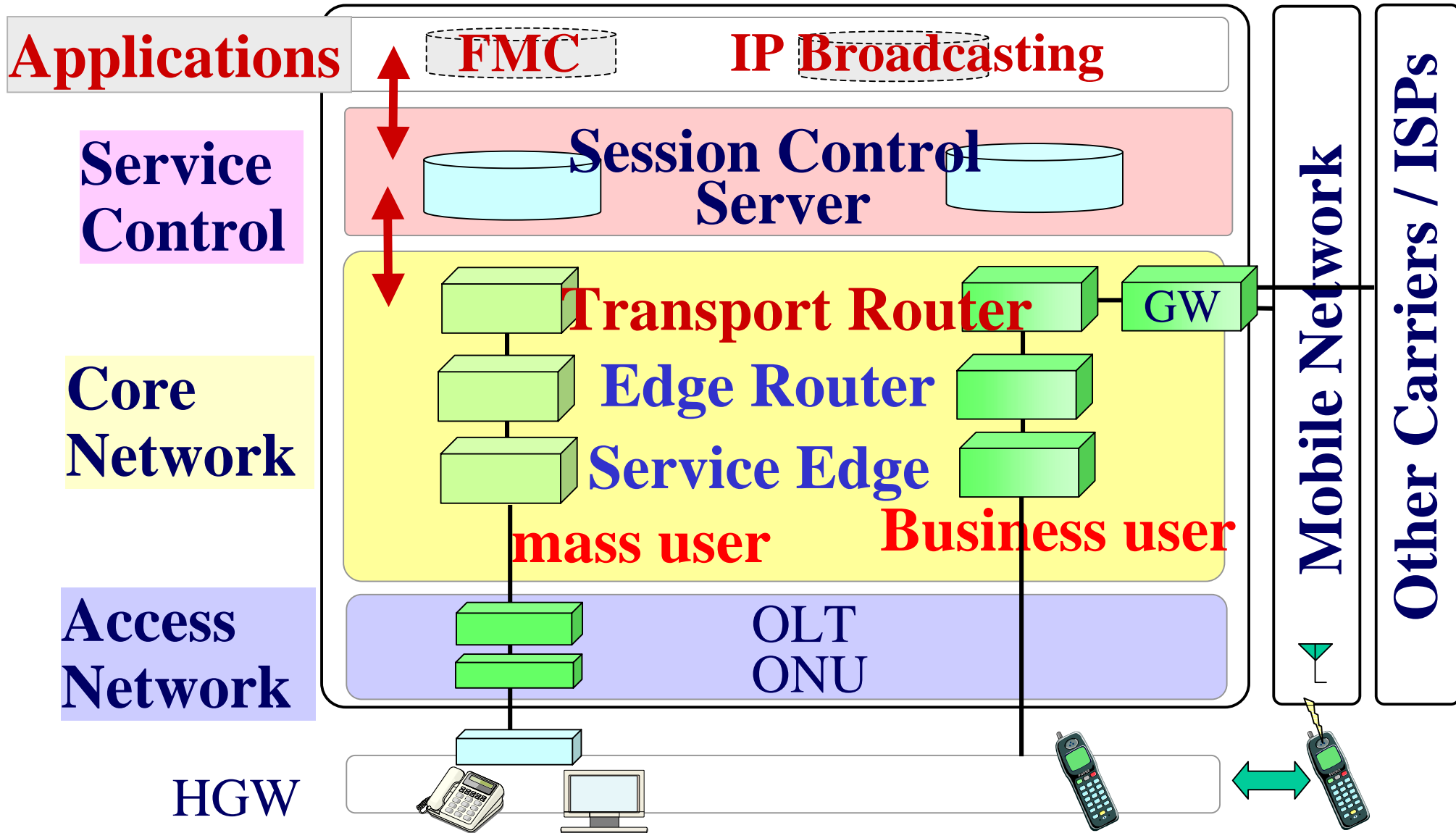
4. Strengthen our competitiveness and financial base (Targets up to 2010)

- *Annual additional sales: 5 billion US\$*

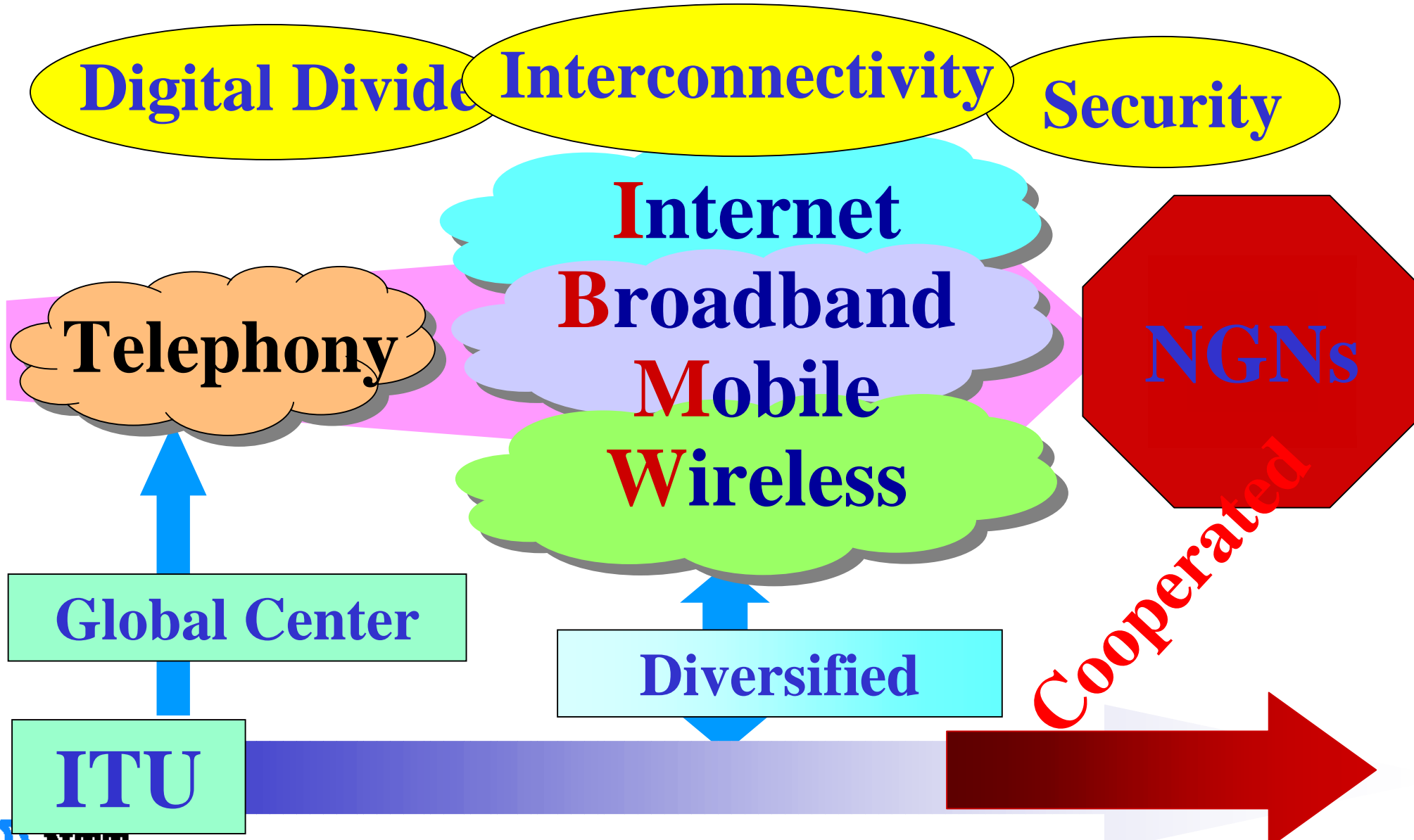
- *Total capital expenditure: 50 billion US\$*

- *Annual cost reduction: 8 billion US\$*

NTT's NGN Architecture



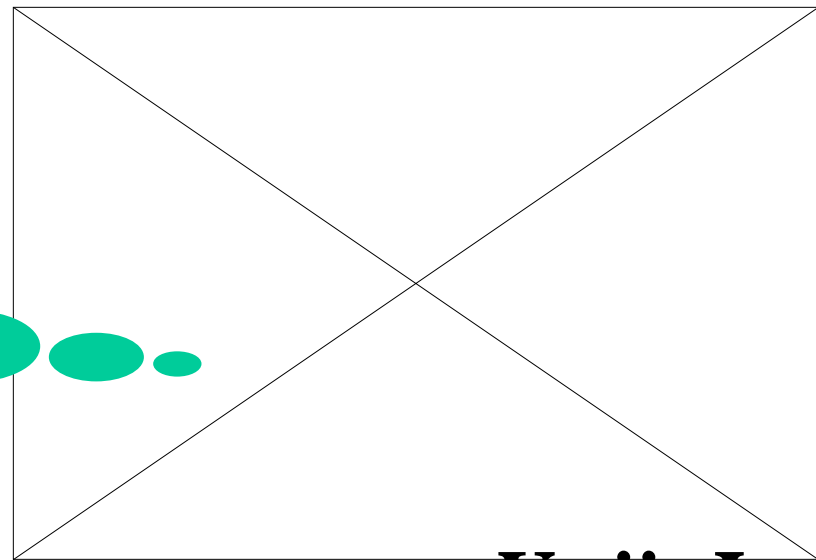
Why NGN for Global



*I am a candidate for the Director of
ITU-T*

Challenge in a Changing Era, NGN

*Thank you
very much*



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