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June 2, 2006

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Ex Parte, *IP-Enabled Services*, WC Docket No. 04-36; *Implementation of Section 621(a)(1) of the Cable Communications Policy Act of 1984 as amended by the Cable Television Protection and Competition Act of 1992*, MB Docket No. 05-311

Dear Ms. Dortch:

On behalf of AT&T Inc. ("AT&T"), Paul Whitehead, Christopher Boyer, Jim Lamoureux, James K. Smith and Tom Hughes met with Christopher Killion and Susan Aaron of the Office of General Counsel on June 1, 2006. At the meeting, AT&T provided an overview of Project Lightspeed and AT&T's IPTV platform. The attached presentation was used as the basis of the briefing.

If you have any questions, please do not hesitate to contact me at (202) 326-8895.

Sincerely,

/s/ Jim Lamoureux
General Attorney
AT&T Services, Inc.

Attachment

cc: Christopher Killion
Susan Aaron

AT&T Project Lightspeed Overview

June 1, 2006

AT&T's Video Initiatives

AT&T customers in our 13-state region have or soon will have access to cutting-edge video services through one of three solutions...

AT&T | DISH Network	AT&T U-verse TV (Project Lightspeed)	AT&T Homezone
▪ Satellite. ▪ Available today.	▪ Terrestrial fiber-based network using VDSL. ▪ Integrated Internet Protocol (IP)-based applications including video, HSIA, VoIP. ▪ Plan to reach approximately 19 million households in initial rollout.	▪ Integrates satellite and DSL in single Set Top Box. ▪ Plan to be available over AT&T's broadband footprint.

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Project Lightspeed Overview

Market-Changing Services

- Integrated services
- HSIA, VoIP & IPTV

Powerful Network

- Both FTTP and FTTN
- Natural extension of current fiber deployment and broadband network

Speed To Market

- Initial deployment to approximately 19 million households

Lightspeed Access Network Summary

Fiber to the RT (Pronto)

Central Hub — Fiber — Remote Terminal — Copper — X-box — Copper

Today

1.5 - 6.0 Mbps

Fiber to the Node (FTTN)

Central Hub — Fiber — Fiber — IP Node — Copper

Brownfield

20 - 25 Mbps

Fiber to the Premises (FTTP)

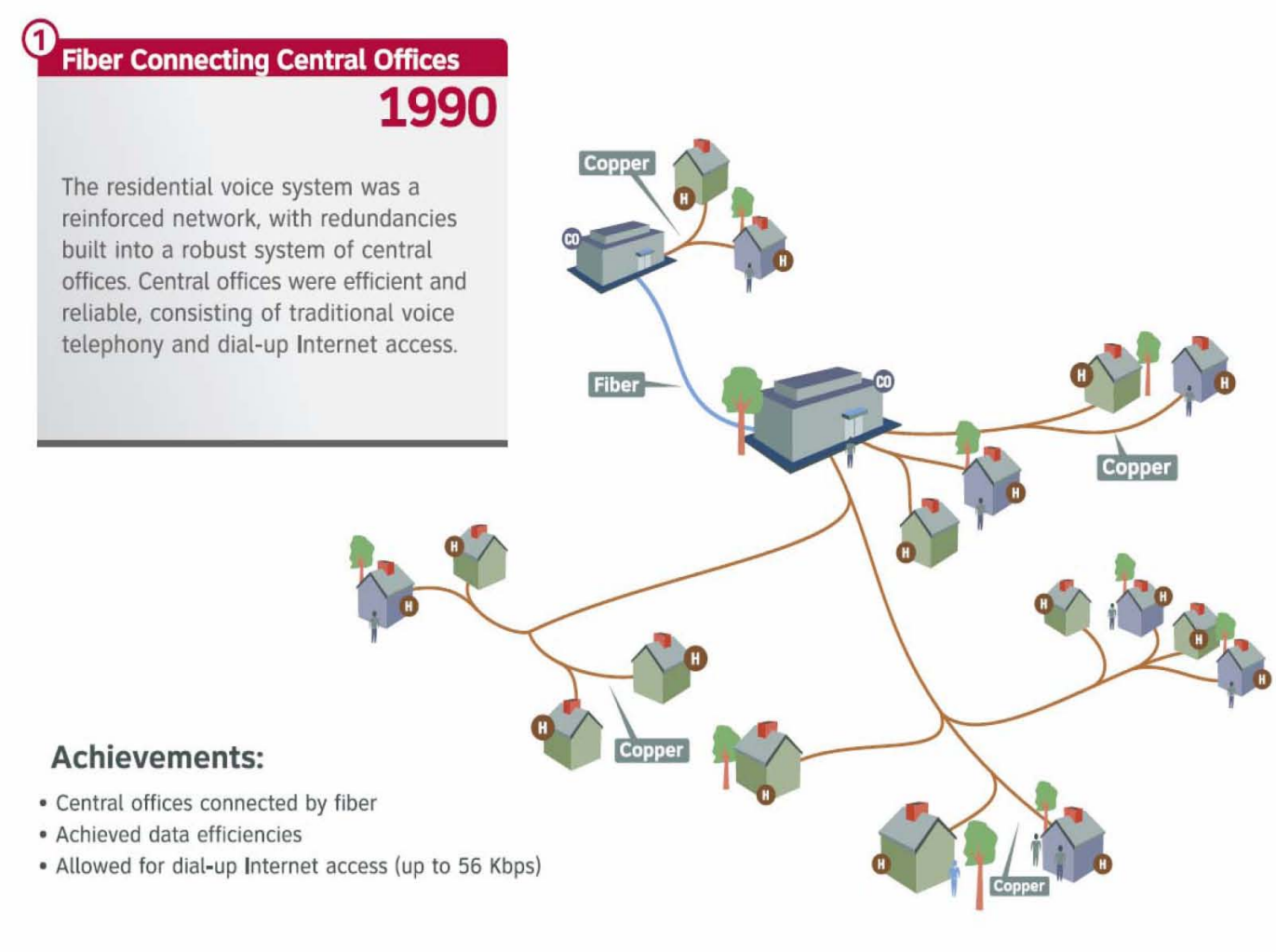
Central Hub — Fiber — Fiber — Optical X-box — Fiber

New Build

20 - 25 Mbps

= Network Electronics
X-box = (Cross-connect box or cabinet)

AT&T Access Network Evolution



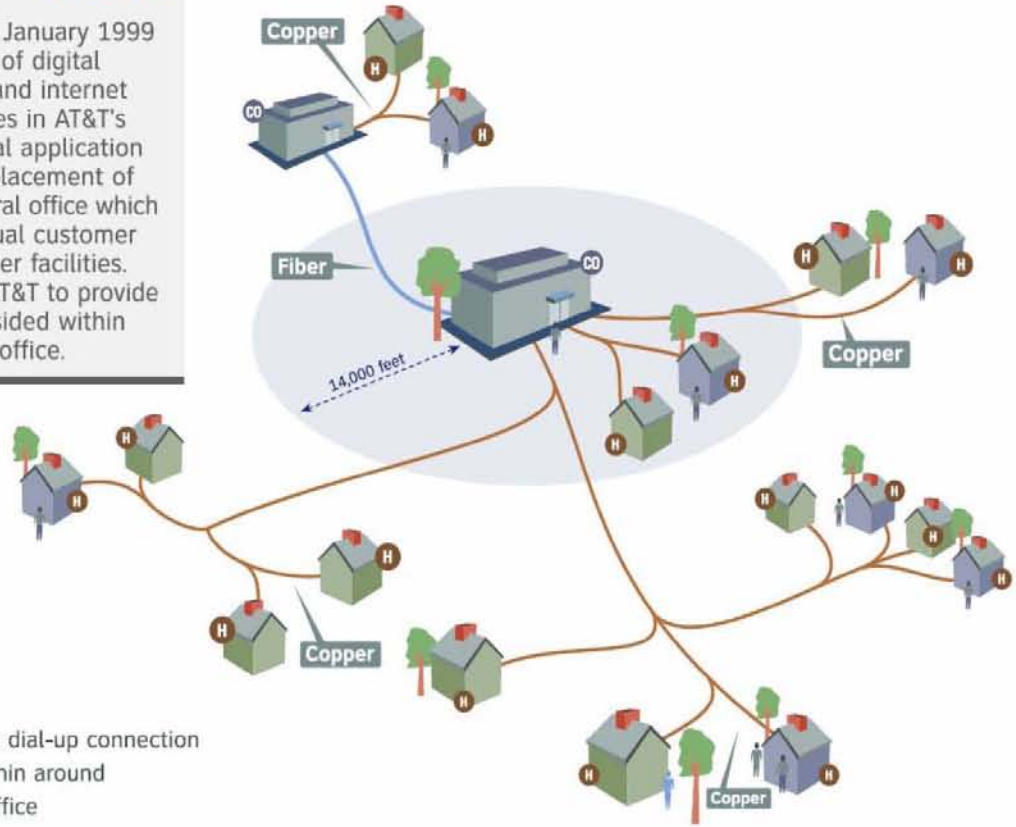
For illustrative purposes only. Not drawn to scale.

AT&T Access Network Evolution

2 Rollout of DSL

1999

The introduction of DSL in January 1999 brought a new generation of digital services, including broadband internet access, to millions of homes in AT&T's service territory. In its initial application DSL was provided by the placement of electronics in an AT&T central office which were connected to individual customer homes via the use of copper facilities. Copper facilities enabled AT&T to provide DSL to subscribers that resided within 14,000 feet of the central office.

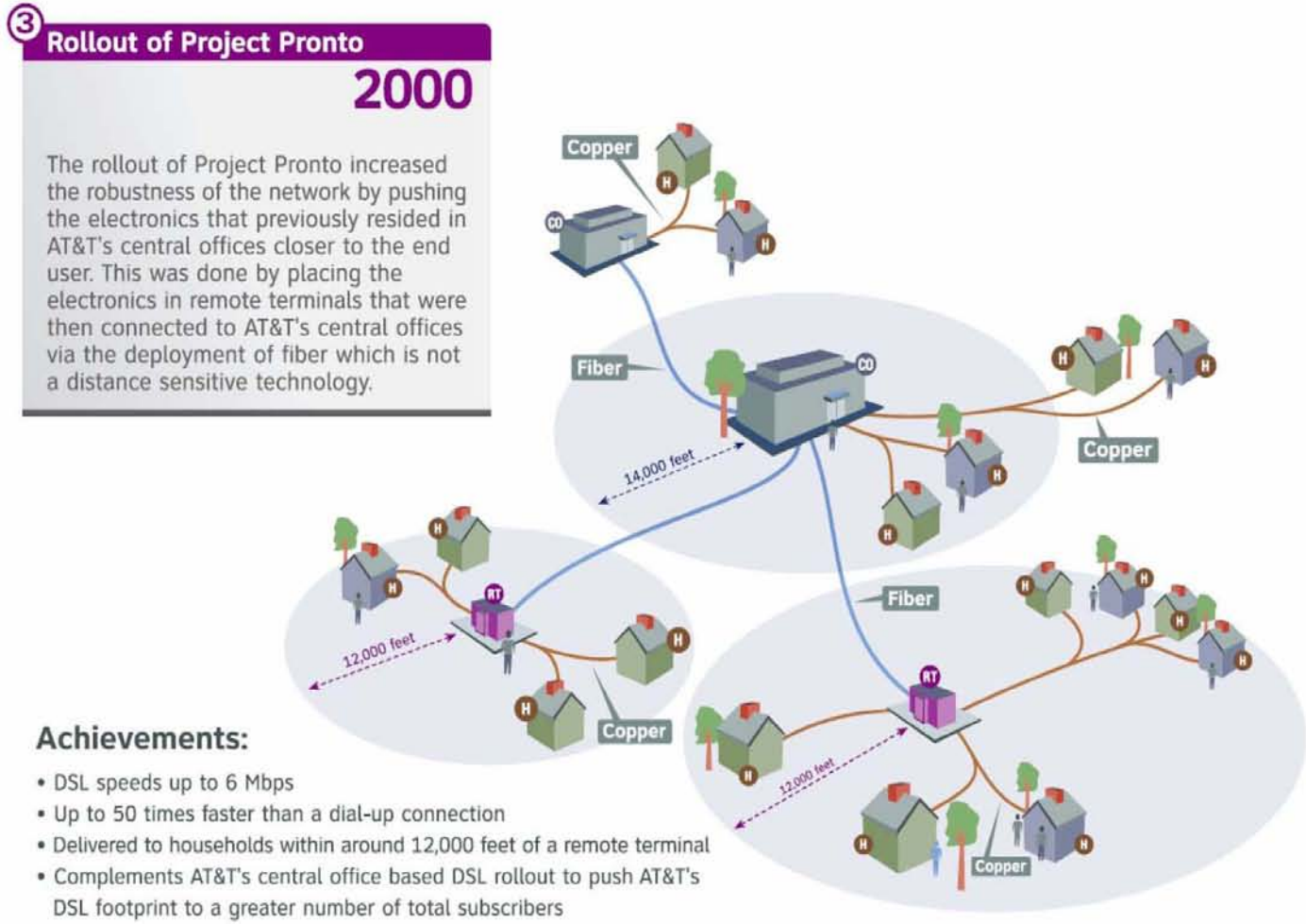


Achievements:

- DSL speed up to 6 Mbps
- Up to 50 times faster than a dial-up connection
- Delivered to households within around 14,000 feet of the central office

For illustrative purposes only. Not drawn to scale.

AT&T Access Network Evolution



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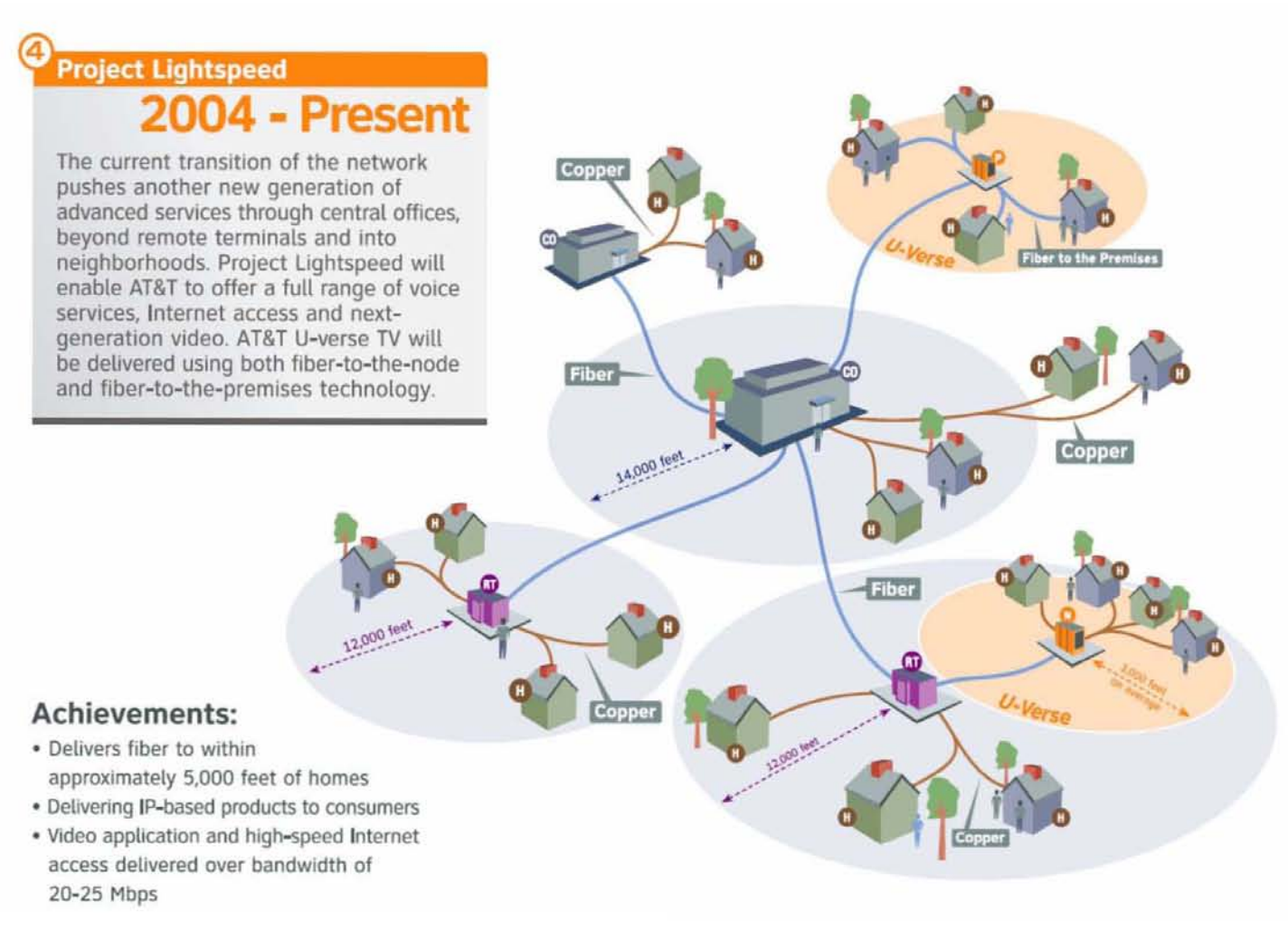
AT&T Access Network Evolution

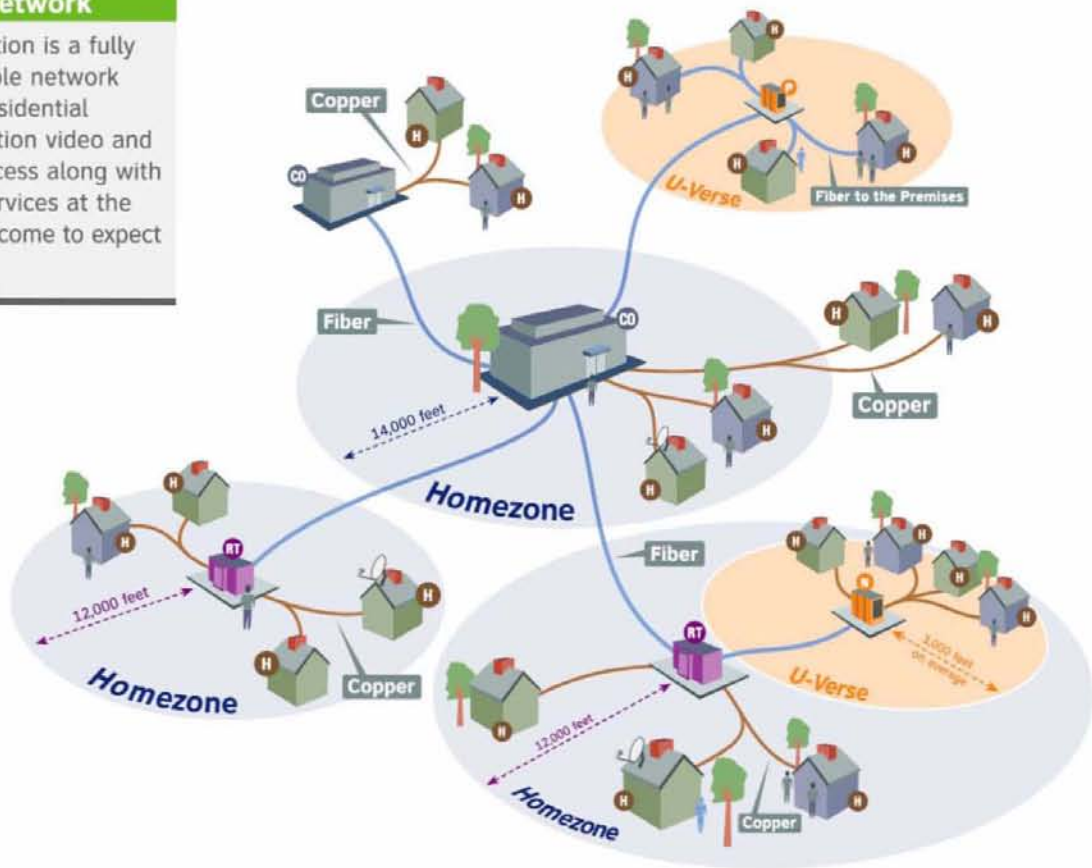


For illustrative purposes only. Not drawn to scale.

AT&T Access Network Evolution

5 Next-Generation Network

The result of the evolution is a fully integrated, highly reliable network capable of providing residential customers next-generation video and high-speed Internet access along with a full range of voice services at the quality customers have come to expect from AT&T.



For illustrative purposes only. Not drawn to scale.

AT&T U-verse Product Offerings

- An all IP network moves AT&T away from a discrete service approach and offer a range of services over a common platform, including switched video, enhanced broadband Internet access, and VoIP

- **20-25 Mbps**
- **Everything IP**

AT&T U-Verse TV^{sm}

High-Speed Internet Access

Voice Over IP (VoIP)

AT&T U-verse Product Suite

- Controlled Market Entry in December 2005 in San Antonio
- AT&T U-verse^{sm} TV
- AT&T Yahoo!® High Speed Internet – *U-verse Enabled*

Current Video Offering:

- **High-quality video experience**, more than 200 channels, which include set-top boxes with an internal DVR
- **Video-on-demand** (VOD) library featuring hundreds of hours of a variety of programming
- Extensive use of **picture-in-picture**
- Fast channel changing

Where we are going...

- Enter more markets
- Modify and increase the number of channels and video-on-demand titles
- High-definition channels
- Interactive applications
- More Robust Parental controls

Future options include: remote-access capabilities, consumer VoIP, multiple-camera-angle and picture-in-picture functionality, one-touch access to personalized information, My Photos channel

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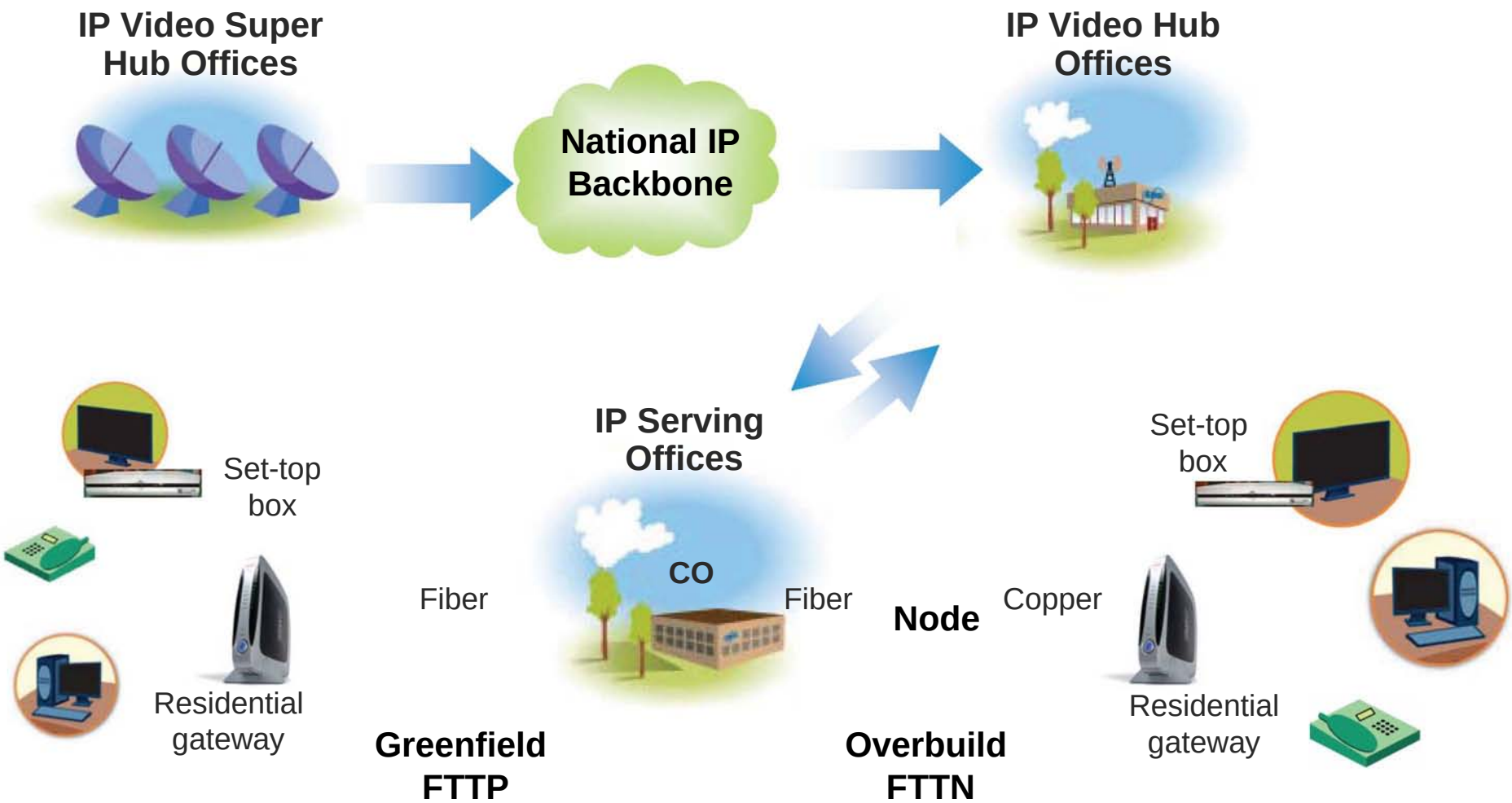
How is AT&T U-verse TV Delivered?



IP-Switched Video Advantages

Traditional Broadcast RF Video

Video
Service
Provider

TV

TV

TV

Switched Video

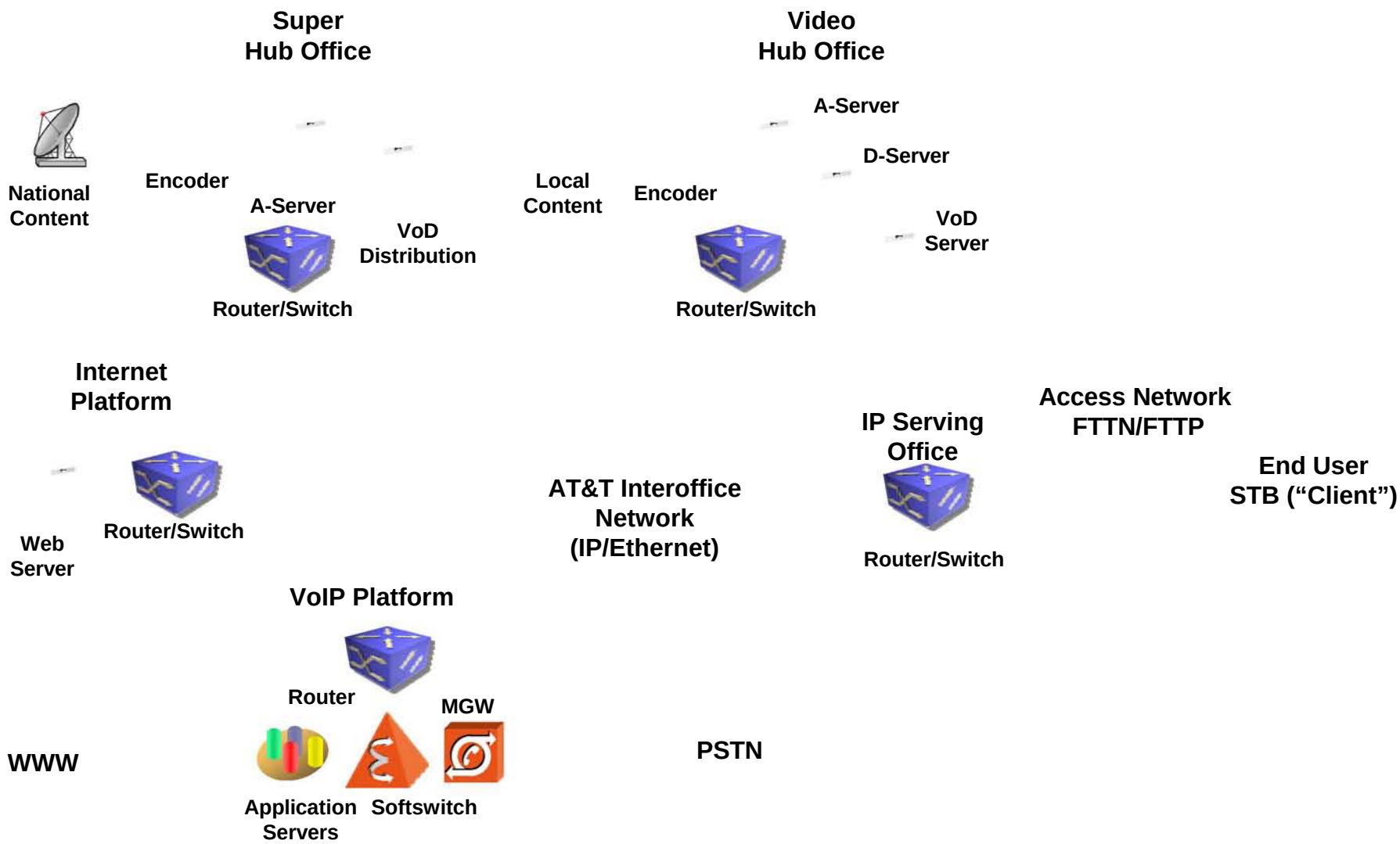
AT&T
U-verse
TV

TV

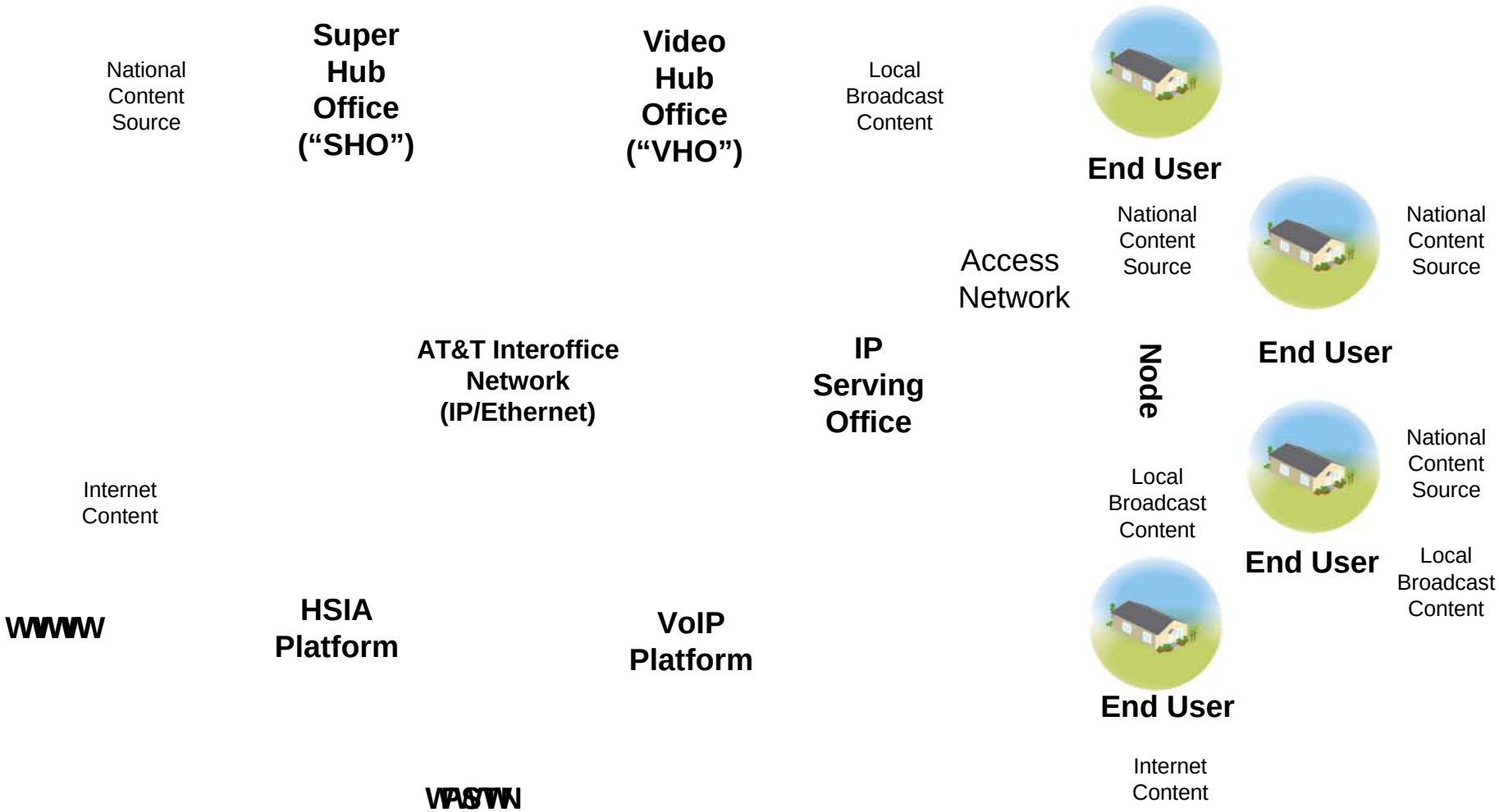
TV

TV

IP Services Interactive Platform



Examples of Interactive Flows Over IP Platform



In Home Environment

CAT-3 (Twisted Pair) (TDM Voice)

Coax (Video)

Coax (All Services)

CAT-5 (Ethernet) (HSIA)

Wi-Fi (802.11x) (HSIA)

For illustrative purposes only. Not drawn to scale.

The Result of IP Migration

A Platform for the Future

Anytime, anywhere access to communications and entertainment services on any device

Moving mass-market access to IP

AT&T:
A New Era in Entertainment