

# Overview of IPTV Forum Japan

September 2, 2010  
IPTV Forum Japan  
(general incorporated association)

YAMADA, Tomokazu: Secretary General

# 1. Purpose of IPTV Forum

From the standpoint of facilitating the realization and diffusion of IPTV services, we establish standards required for implementing Open IPTV services as well as technical specifications for receivers, while promoting sophistication of IPTV services by identifying and resolving common issues for IPTV services and by improving employees' technical skills; thereby aiming at contributing to the enhancement of user conveniences in IPTV services.

## 2. Activities of IPTV Forum and Members

- Activities

- (1) To develop technical specifications related to IPTV services
- (2) To maintain and update technical specifications related to IPTV services
- (3) To disseminate technical specifications related to IPTV services
- (4) To cooperate in testing, etc. for the commercial application of technical specifications related to IPTV services
- (5) To promote the use of IPTV services and conduct public relations

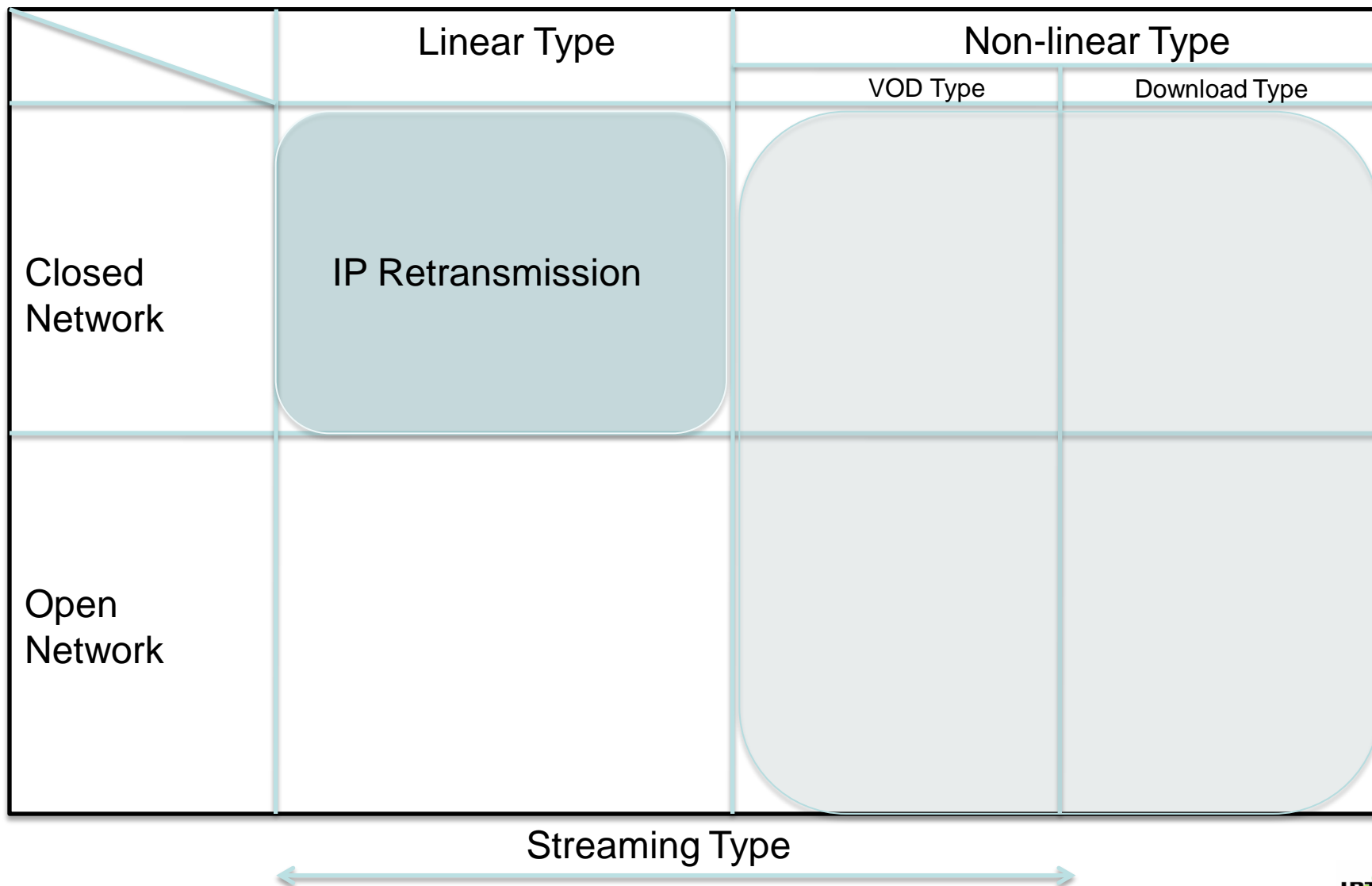
- Members

Jun Murai, Chief Director (Professor of Keio University),  
NTT, KDDI, Softbank, TV-Asahi, TV-Tokyo, Tokyo Broadcasting System, Nippon  
Television Network Corp., NHK (Japan Broadcasting Corp.),  
Fuji Television Network, Inc., Sony Corp., Panasonic,  
Hitachi, Ltd., etc. (total: 54 member companies)



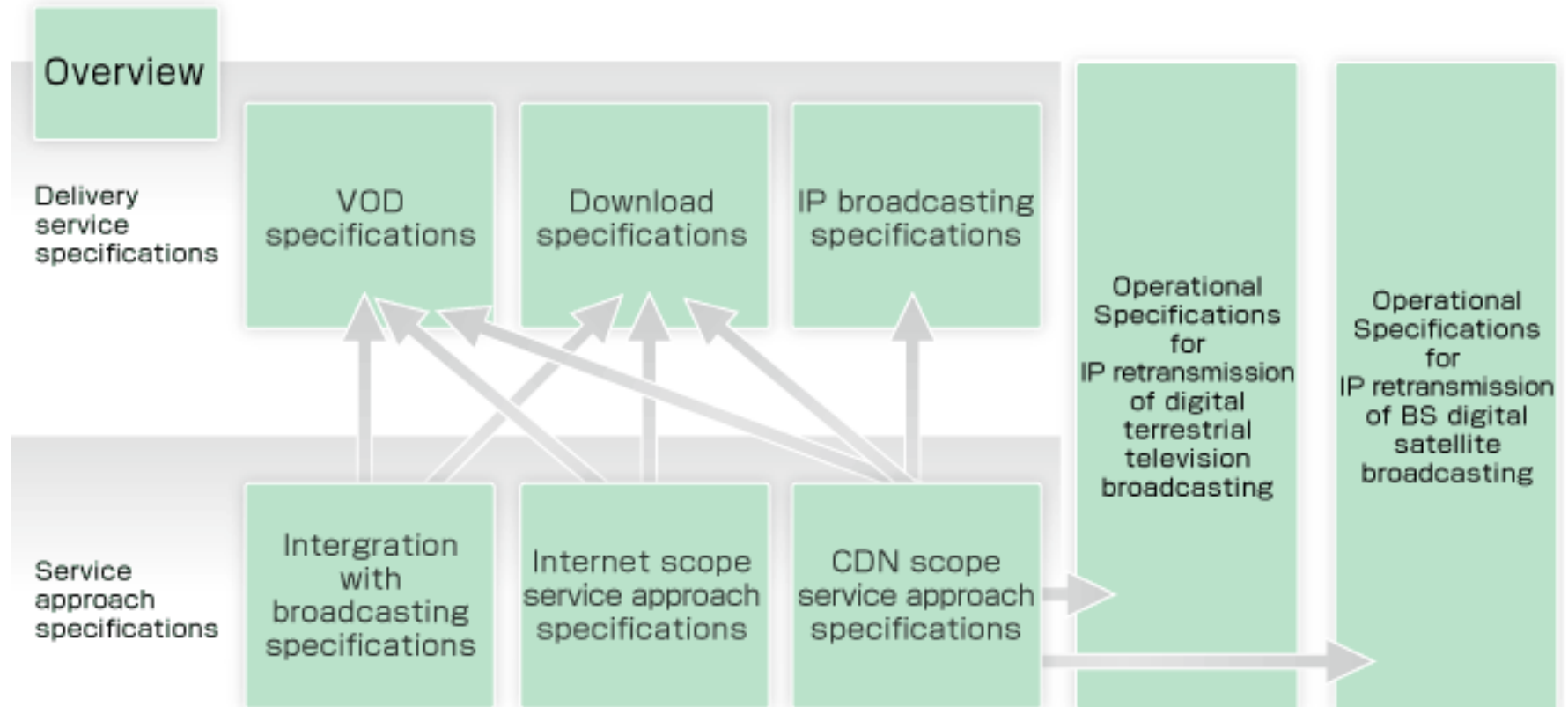
Jun Murai, Administrative Director

# 3. Standardization Targets of IPTV Forum



# 4. Technical Specifications

- Organization of Documents



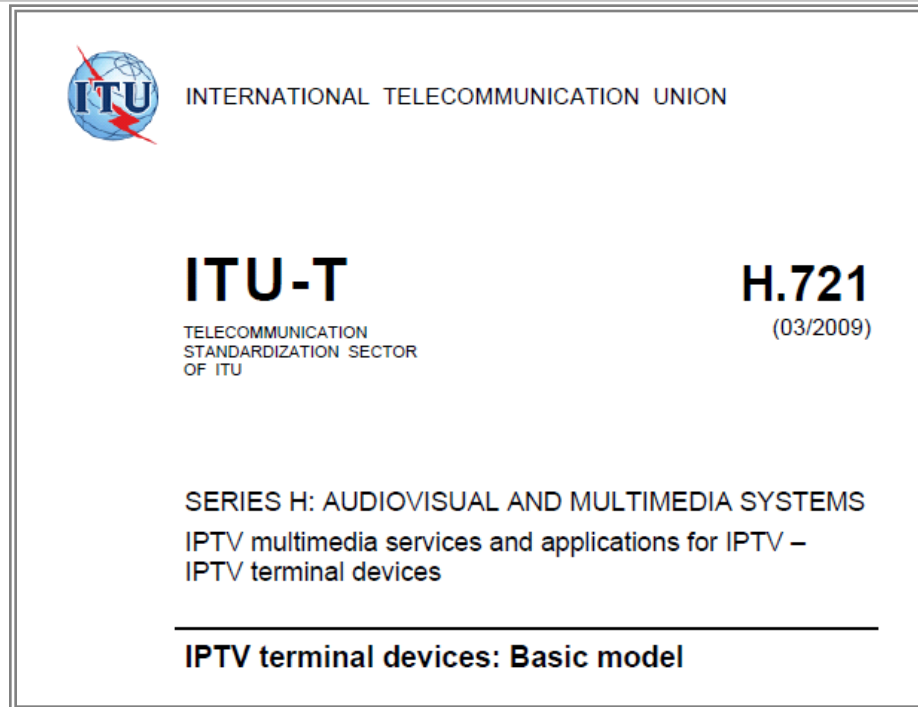
# 5. IPTV Terminal: Basic Model ITU-T H.721

We newly established International Standardization AH under the Technical Committee, and contributed a proposal toward the ITU-T IPTV-GSI Conference.

## [Proposal Overview]

- Submitted the portion related to the receiver for CDN-scope service as a basic model of the IPTV terminal for a new recommendation draft as Japan's proposal.
- Described the service and basic features, functional architecture, basic model, and physical interface.
- Service entry, trick play, writing to NVRAM, and streaming quality are described in detail.

=> Proposed contribution was adopted as a recommendation (ITU-T H.721)



# The ITU-T recommendation/draft and IPTV Forum specifications

Recommendation Number (abbreviated name during work)	Recommendation Title	SG	Correspondence to Forum specifications
Y.1910 (Y.iptv-arch)	IPTV Architecture	SG13	Chapter 1, Chapter 2 (each spec.)
Y.1901 (Y.iptv-req)	IPTV Requirements	SG13	Chapter 1, Chapter 2 (each spec.)
Y.Sup5 (-)	IPTV service use case	SG13	Chapter 1, Chapter 2 (each spec.)
H.701 (H.IPTV-CDER)	Content Delivery Error Recovery for IPTV services	SG16	FECcomparable portion
H.750 (H.IPTV-MD)	Metadata for IPTV	SG16	Chapter 7 (CDN-scope specification)
H.770 (H.IPTV-SDC)	Mechanisms for service discovery and selection for IPTV services	SG16	Chapter 5 (CDN-scope specification)
- (H.IPTV-MAFR.2)	Broadcasting Markup Language for IPTV (BML for IPTV)	SG16	Chapter 6 (CDN-scope specification)
(Q.Iptvsa)	IPTV Related Protocols	SG11	Chapter 4 (each spec.)
X.1191 (X.iptvsec-1)	IPTVsecurity-related function requested items and architecture	SG17	Chapter 6 (IP broadcasting) Chapter 7 (VOD specification)
H.721 (H.IPTV-TDES.2)	IPTV Terminal Device: Basic Model	SG16	Chapter 3 (each spec.) IPTV Forum Contribution

- SG 11: Q series - Switching and signaling
- SG 13: Y series - Global information infrastructure, Internet protocol aspects and next-generation networks
- SG 16: H series - Audiovisual and multimedia systems
- SG 17: X series - Data networks, open system communications and security

## 6. Services based on IPTV Forum Standards

Major Providers	Names	Services	Retra nsmis sion	IP Broad casting	VOD	Down loadin g
NTT Plala	Hikari-TV	Terrestrial Digital Retransmission, 70+ multichannel broadcasting, over 10,000 VOD titles	✓	✓	✓	
Yahoo	Yahoo! JAPAN	VOD			✓	
KDDI	au Hikari TV Service	Dedicated Programs: 36 ch., Multichannel broadcast: approx. 5,000 titles			✓	
acTVila	acTVila	VOD, Downloading			✓	✓