

### **ITU**

- International Telecommunication Union
  - \*
- □ 1934 , UN
  - Formerly, as known as CCITT
- http://www.itu.int



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### **ITU**

- □ ITU
  - Secretary General
  - \* PP: ITU
- ☐ 3 Sectors
  - ITU-T (Director, WTSA)
    - > ITU-Telecom. Standardization
  - ITU-R (Director, RA)
    - > ITU-Radio Communication
  - ITU-D (Director, WTDC)
    - > ITU-Telecom. Development

#### Office of the Secretary-General

#### Secretary-General: Yoshio Utsumi

 Re-elected at PP-02 in Marrakesh for a second mandate (2003-2006)

The Secretary-General shall coordinate the Union's activities and be responsible for the overall management of the Union's resources.



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Activities

Study Groups

**Products** 

Events

Membership Information and Services

International Numbering Resources

**Databases** 

Site Map

#### Welcome to ITU-T



Mr. Houlin Zhao Director of TSB

The ITU
Telecommunication
Standardization
Sector (ITU-T) is one
of the three Sectors of
the International
Telecommunication
Union (ITU).

ITU-T's mission is to ensure an efficient and on-time production of high quality standards (Recommendations) covering all fields of telecommunications.

Join ITU-T and participate in shaping the future of global telecommunications.

#### Information

ITU-T was created on 1 March 1993, replacing the former International Telegraph and Telephone Consultative Committee (CCITT) whose origins go back to 1865. The public and the private sectors cooperate within ITU-T for the development of standards that benefit telecommunication users worldwide.

#### Activities

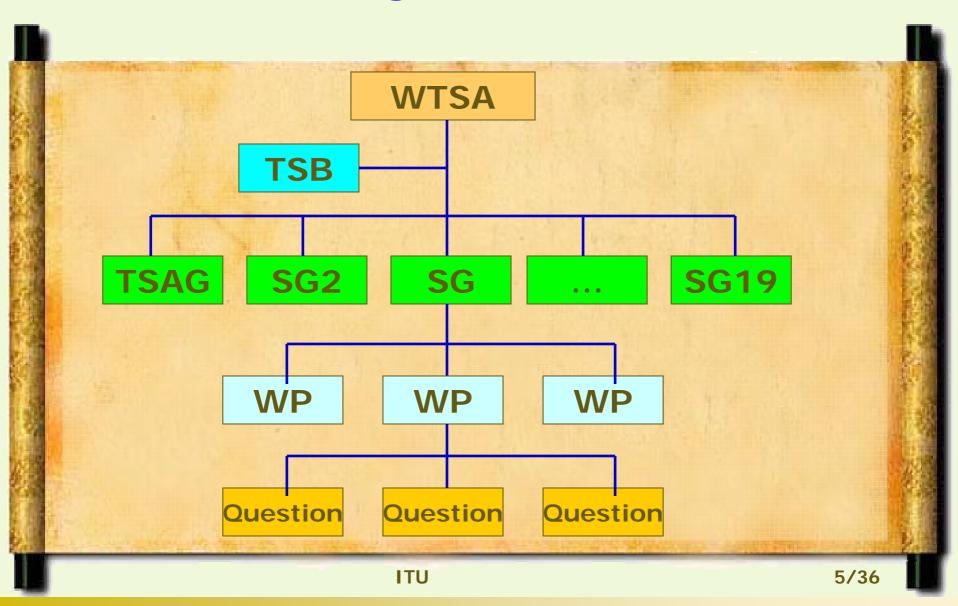
Standardization work is carried out by the ITU-T Study Groups in which representatives of the ITU-T membership develop Recommendations (standards) for the various fields of international telecommunications.

- Study Groups
- TSAG
- Alternative Approval Process (AAP)
- Intellectual Property Rights (IPR)
- Technology Watch
- Projects
- Focus Groups
- NGN

[more...]

#### **Events**

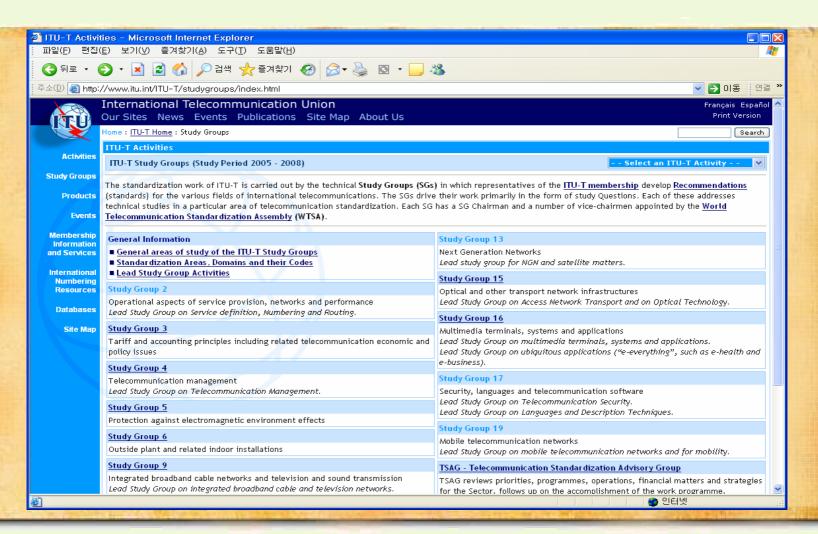
- Meetings
  - <u>TSAG</u> Telecommunication Standardization Advisory Group Geneva, 7-11 November 2005
  - <u>Study Group 2</u> Operational aspects of service provision, networks and performance
    - Geneva, 6 15 December 2005
  - <u>Study Group 5</u> Protection against electromagnetic environment effects Geneva, 12 - 16 December 2005
  - Study Group 6 Outside plant and related indoor installations
     Geneva, 12 - 16 December 2005



□ ITU-T Director \* TSB (Telecom. Standard Bureau) Secretariat (for each SG) ☐ SG (Study Group) Chairman & Vice Chairmen ■ WP (Working Party) Chairman Question Rapporteur \* Editors:

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# **Study Groups (SG)**



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# **Working Parties (WP) & Questions**

### □ ITU-T/SG13: WPs and Questions

Questions	Title			
WP 1/13 - Project management and coordination				
1/13	Project coordination and release planning for NGN			
<u>11/13</u>	General network terminology			
<u>13/13</u>	Public data networks			
WP 2/13 - Functional architecture and mobility				
<u>3/13</u>	Principles and functional architecture for NGN			
<u>6/13</u>	NGN mobility and fixed-mobile convergence			
<u>9/13</u>	Impact of IPV6 to an NGN			
<u>10/13</u>	Interoperability of satellite with terrestrial and Next Generation Networks (NGNs)			
WP 3/13 - Service requirements and scenarios				
2/13	Requirements and implementation scenarios for emerging services in NGN			
7/13	Network and service interworking in NGN environment			
<u>8/13</u>	Service scenarios and deployment models of NGN			
<u>12/13</u>	Frame Relay			
<u>14/13</u>	Protocols and service mechanisms for Multi-service Data Networks (MSDN)			
WP 4/13 - QoS and OAM				
4/13	Requirements and framework for QoS for NGN			
<u>5/13</u>	OAM and network management for NGN			

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### ITU-T : WTSA

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■ WTSA (World Telecom. Standardization Assembly)
                   가
                         (2004, 2008, ...)
   * 4
   Study Group (SG)
      >SG /
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      ➤ Question (
      ➤ Working Party
          WP
                    Rapporteur
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(WTSA)
4
       SG
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   *
                        가/ 가
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               Question
   *
                  Leading SG
   * TMN - SG4
   * NGN - SG13
   Optical Network – SG15
   Security – SG17
   Mobility – SG19
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## **ITU-T Membership**

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        (MS)
* KOREA (TTA)
          (ROA)
* KT
               (SIO)
* ETRI,
                                                     11/36
                    ITU
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<ul> <li>ITU-T X.606 (A-series,, Z-series)</li> <li>Contribution ( ): White Contribution</li> <li>2 ( , )</li> </ul>
÷ 2 ( ,
♦ ) ITU-T SG13 C-10
□ Delayed Contribution: 2
♦ ) ITU-T SG13 D-234
☐ TD (Temporary Document):
* Agenda, , Q/WP ,
♦ ) ITU-T SG13 TD-111
□ Report ( ): SG (Web )
* ITU-T SG13 R-3 (SG Report)

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### **Templates**

(http://www.itu.int/ITU-T/studygroups/templates/index.html)

#### ITU-T Guides, Tools and Templates

#### ITU-T Guides

- ITU-T Guide for Participants Information paper for Participants, Rapporteurs and Chairmen
- ITU-T Guide for Participants (PowerPoint Presentation)
- . Guide for ITU-T Study Groups "Considering End-User Needs in developing Recommendations"
- Author's guide for drafting ITU-T Recommendations
- Guidelines for drafting question texts
- Manual for Rapporteurs and Editors
- · Procedures for Electronic Meetings
- ITU-T General Overview
- ITU-T Guide for Beginners (2nd edition March 2005)
- ITU-T Guide for Beginners (1st edition September 2002)
- Guide for ITU-T and ISO/IEC JTC 1 Cooperation (ITU-T Recommendation A.23/Annex A (11/2001))
- Guideline on Collocation of Meetings

#### **ITU-T Templates**

The following templates were developed by TSB on the basis of TSAG/WP3 discussions. Their use is straightforward. Please don't hesitate to give any comment to <a href="mailto:tsbedh@itu.int">tsbedh@itu.int</a>. For more information on new templates usage, please click <a href="mailto:here">here</a>.

- ITU-T basic template (last modified 30 March 2004) [English] [Français] [Español]
- ITU-T liaison template (last modified 30 March 2004) [English] [Français] [Español]
- ITU-T Recommendation skeleton template (last modified 30 March 2004) [English] [Français] [Español]
- ITU-T | ISO/IEC common texts template (last modified 30 March 2004) [English] [Français] [Español]

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### Recommendation

Annual Control	The second second	THE PERSON NAMED IN	Marie Committee	
T	INTERNATIONAL TELECOMMUNICATION UNION			
	ITU-T		X.606	
	TELECOMMUNICATION STANDARDIZATION SECT OF ITU	TOR	(10/2001)	
	SERIES X: DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS			
	OSI networking and system aspects – Networking			
	Information technology – Enhanced communications transport protocol: Specification of simplex multicast transport			

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## **Delayed Contribution**

THE STATE OF THE S	INTERNATIONAL TELECOMMUNICATION UNION		COM 13 - D 109 -			
(TTU)	TELECOMMUNICATION					
	STANDARDIZATION SECTOR	3.	English only Original: English			
	STUDY PERIOD 2005-2008					
Question(s):	9/13		Geneva, 25 April - 6 May 2005			
	STUDY GROUP 13 - DELAYED CONTRIBUTION 109					
Source:	KOREA					
Title:	Use of SCTP for Support of IPv6 I	Aulti-homing ar	ılti-homing and Mobility			

#### 1. Introduction

This contribution discusses the use of Stream Control Transmission Protocol (SCTP) over IPv6 networks for support of IPv6 multi-homing and mobility. The SCTP is the third transport layer protocol next to TCP/UDP. It can be used for IPv6 mobility from its multi-homing features. In particular, the SCTP would provide seamless or soft handover for the mobile host without support of routers or agents in the networks.

In this contribution, some texts are proposed (starting from the next page) that could be inserted into a new draft Recommendation of Q.9/13, relevant to 'IPv6 multi-homing issue'.

#### 2. Proposal

This is submitted to the Q.9/13 in the 2005 SG13 April meeting for discussion. It is proposed that this contribution should be inserted into a new draft Recommendation (relevant to the IPv6 multi-homing issue).

## **Temporary Document (TD)**



#### INTERNATIONAL TELECOMMUNICATION UNION

STUDY GROUP 13

#### TELECOMMUNICATION STANDARDIZATION SECTOR

TD 51 (WP 2/13)

STUDY PERIOD 2005-2008

English only

Original: English

Question(s):

9/13

Geneva, 29 August - 9 September 2005

#### STUDY GROUP 13 - TEMPORARY DOCUMENT 51

Source:

Editor

Title:

Revised draft of Y.ipv6multi "Framework of IPv6 Multi-homing for NGN"

This contribution is the revised draft new Recommendation of Y.ipv6multi, "Framework of IPv6 Multi-homing for NGN," which is being progressed in the Q.9/13

This contribution is submitted to the Q.9/13 meeting for discussion, so as to produce the revised draft Recommendation as an output document of the meeting.

Attachment

Draft Text of Recommendation Y.ipv6multi

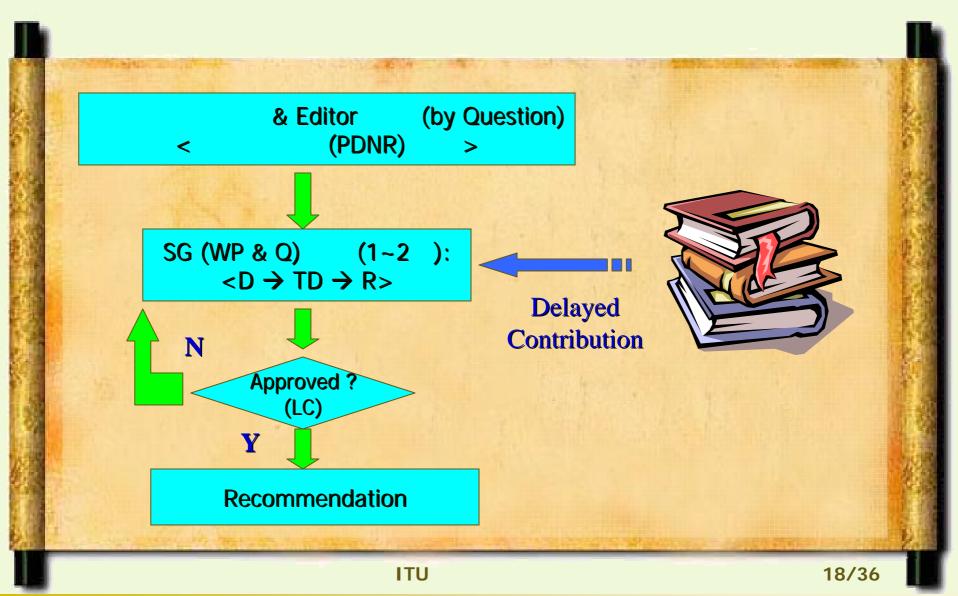
### **TIES**

- □ Telecom Information Exchange Services (TIES)
- Web & File Server
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- http://www.itu.int/TIES
- □ ID/PWD (login)
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### ITU-T &



- New Recommendation
  - Preliminary Draft New Recommendation (PDNR)
    - > Initial (Base) Text for Recommendation
  - Draft New Recommendation
    - > ) X.ectp
  - Recommendation
    - > ) X.606
- □ Revised Recommendation
  - Draft Revised Recommendation
  - Recommendation

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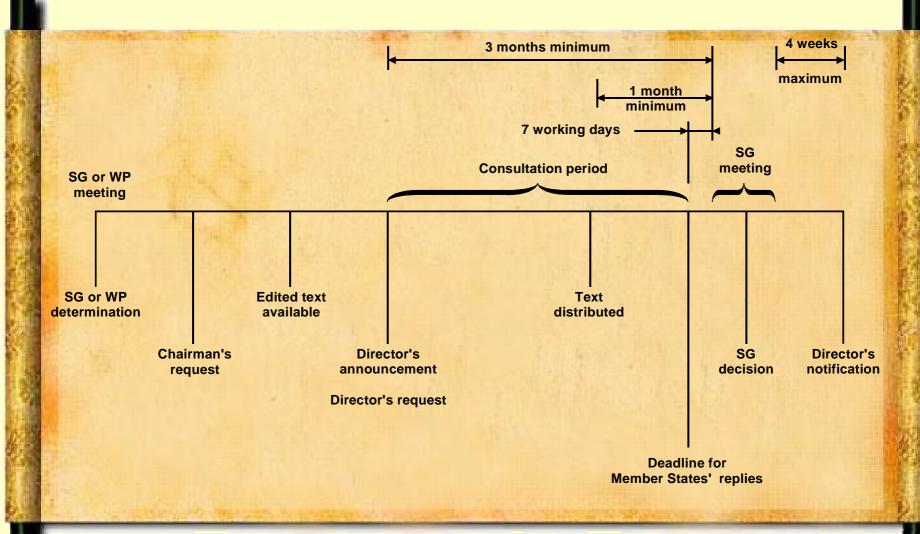
### ☐ ITU-T

- Traditional Approval Process (TAP)
  - > 2 SG
    - ✓ Determination
    - ✓ Decision (Approval)
  - > /
  - 6 %
- Alternative Approval Process (AAP)
  - Technical Issues
  - ► SG "Last Call (LC) for Consent"
  - >4 LC

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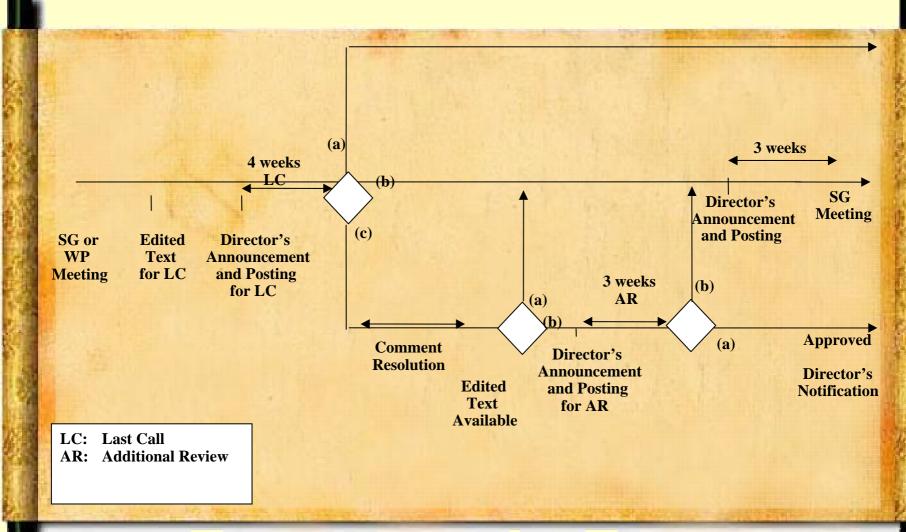
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## Traditional Approval Process (TAP)



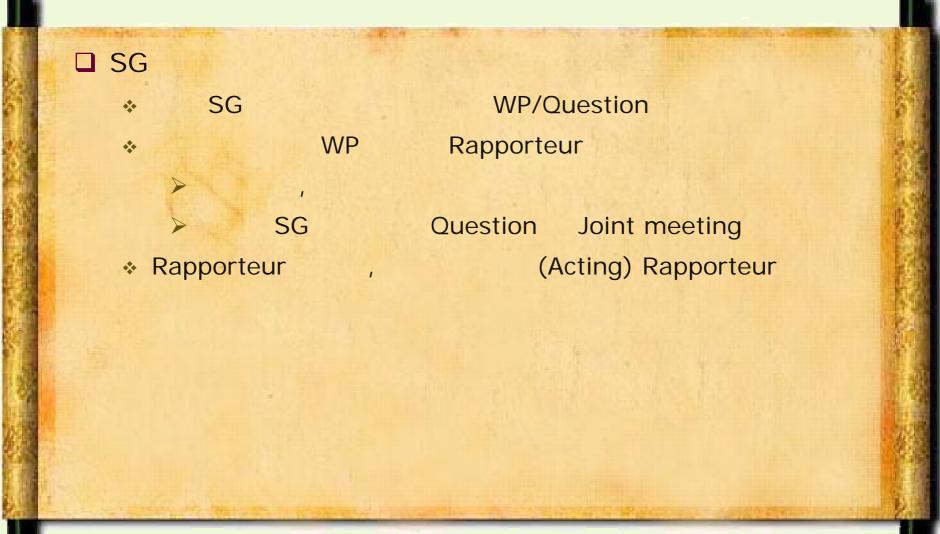
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## **Alternative Approval Process (AAP)**



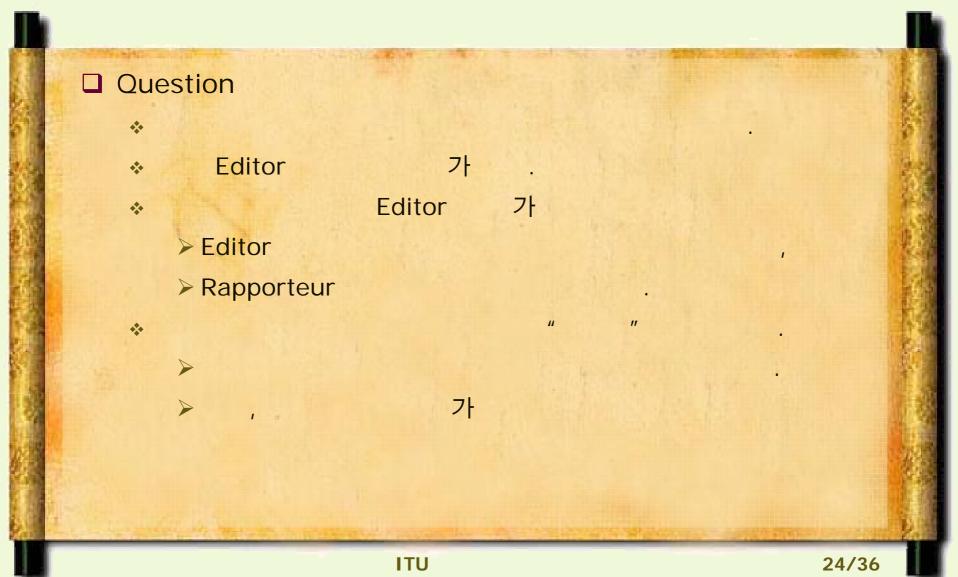
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### SG



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# Rapporteur (1)

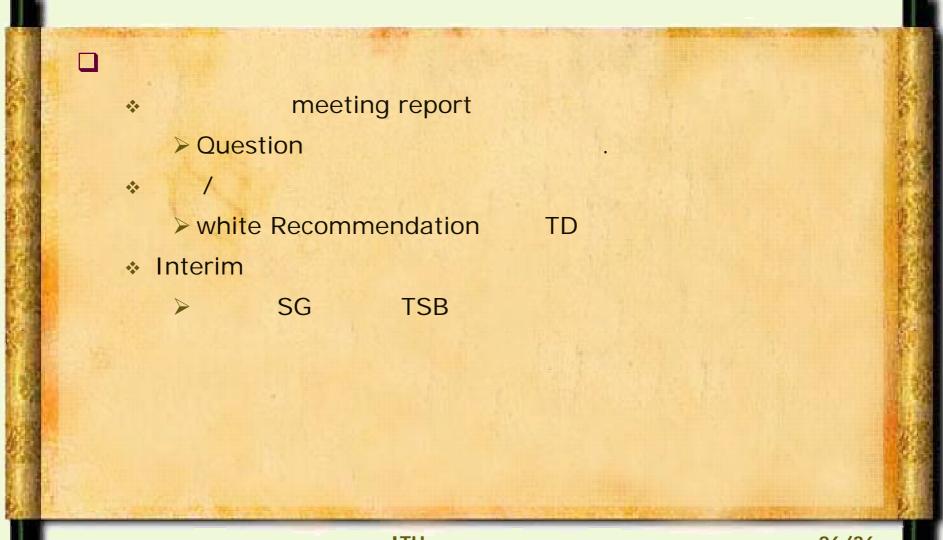


## Rapporteur (2)

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□ Interim
              (Terms of Reference)
   *
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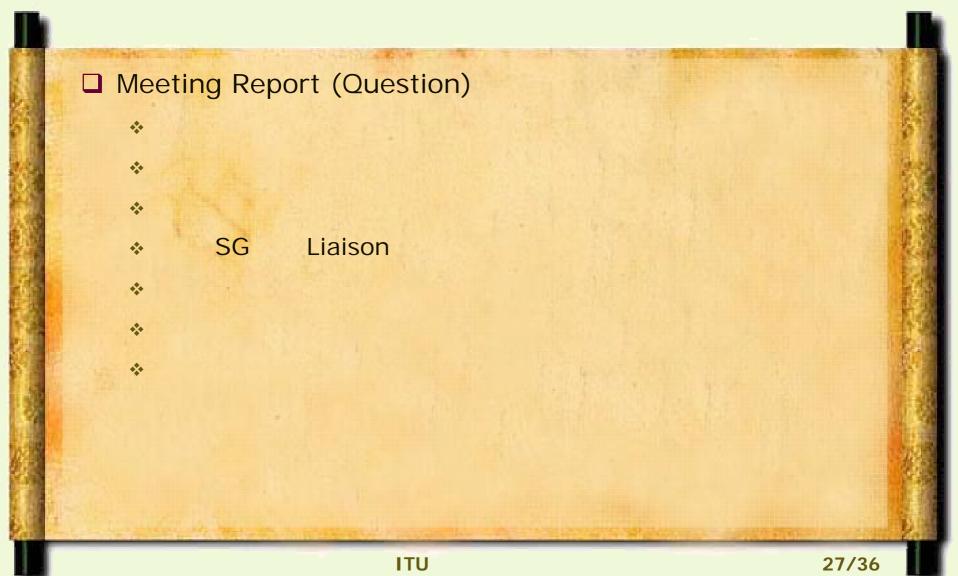
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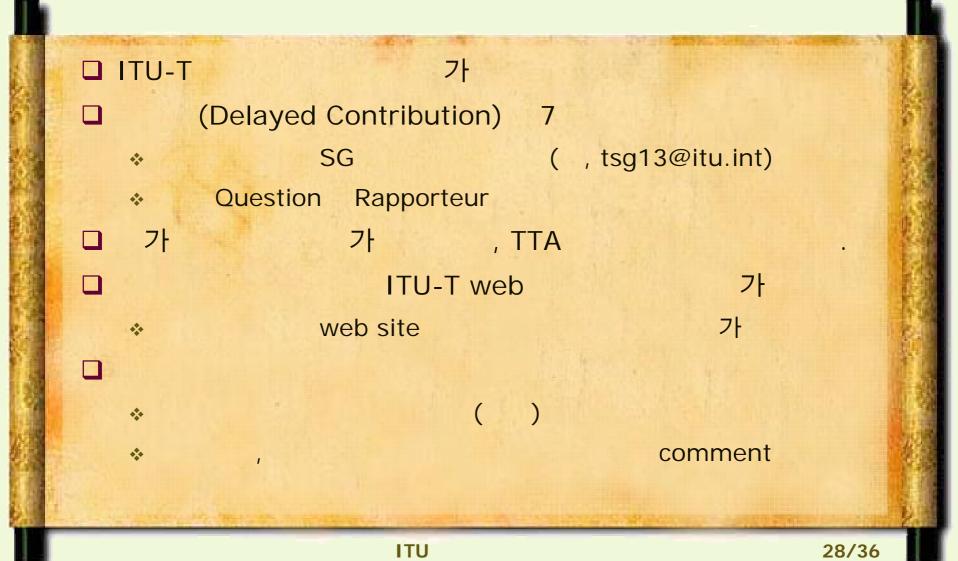
# Rapporteur (3)

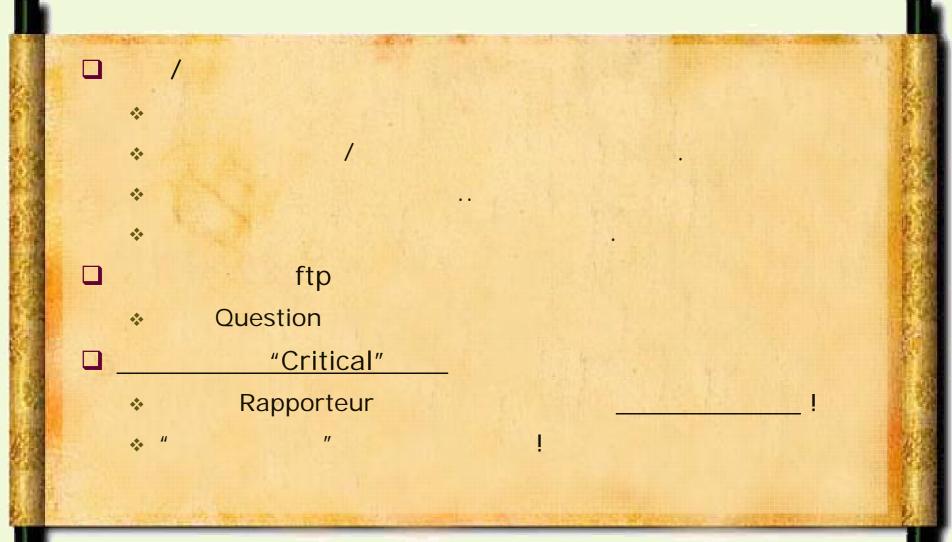


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# Rapporteur (4)







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ITU - Telecommunication Standardization Sector

Study Group 13

Delayed Contribution No.

Geneva, 15 - 26 February 1999

Document addressed to : WP 2 / 13

Question(s):2/13

Source: Electronics and Telecommunications Research Institute (ETRI)

TITLE: Network Requirements for Multigrade Quality of Service

Contact: Woo-Seop Rhee

Service Network Technology Department, ETRI

Email : wsthee @ etri re kr

**Abstract** In this contribution, we propose the enhancement of section 5.2.2 description of draft recommendation 1.31y.

#### 1. Introduction

Recommendation 1.31y describes the service-oriented network requirements for B-ISDN. This recommendation defined network requirements of the user service's point of view. In the last Q.2 rappourteur's meeting, section 5.2.2 was re-described. However, this clause is still remained unclear state of relationship between user service and network requirements for multigrade QoS. Therefore, this contribution proposes the enhancement of description of section 5.2.2 in that point of view.

Question

Question WP

Question

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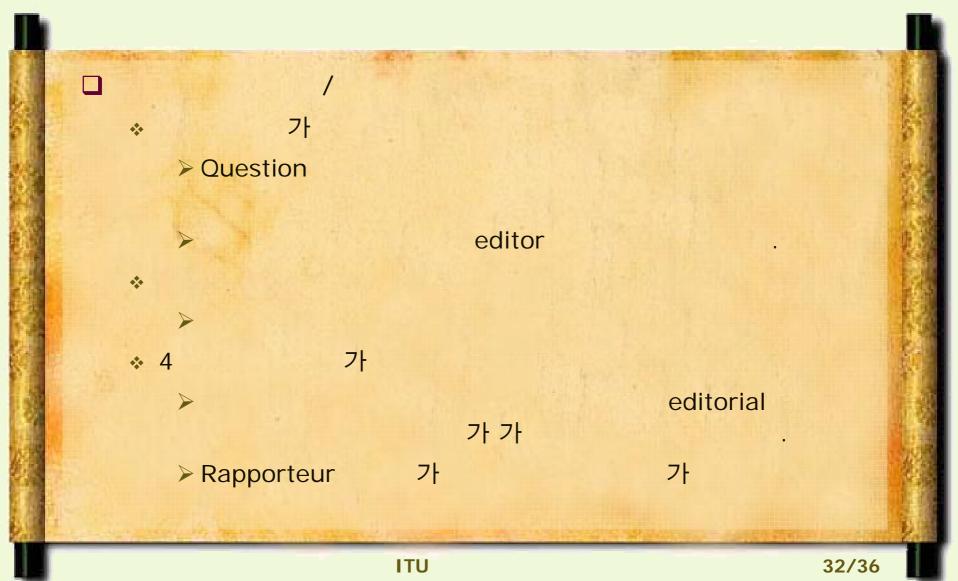
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## ITU-T (1)

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# **(2)**



# ITU-T (3)

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# **(5)**

