ITU-T SG13 회의 기고서

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s): New Question/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : Considerations for Multicast ATM protocol

Contact Person:

> **Jun Kyun Choi, ETRI**
>
> **P.O.Box 106, Yusong Taejon, Korea 305-600**
>
> **Tel: +82-42-860-5720 Fax: +82-42-861-5597**

Abstract

This contribution proposes to work on specific new recommendations for the multicast ATM protocol in the next study period. It is comparable to the existing recommendation for point-to-point connection-oriented ATM protocol as in I.150 and I.361

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP3/13

Question(s): New Question/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : Re-considerations for the Cell-based ATM Structure

Contact Person:

Jun Kyun Choi, ETRI

P.O.Box 106, Yusong Taejon, Korea 305-600

Tel: +82-42-860-5720 Fax: +82-42-861-5597

Email) jkchoi@winky.etri.re.kr

Abstract

This contribution proposes to re-consider the cell-based ATM structure as a key work item of ITU-T SG13 at the next study period. It is to migrate the existing ATM frame structures into various transmission media including fiber, coaxial, twisted paired copper, satellite, and wireless. It is also to cope with the integrated service environments from desk-top area network to global area network.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s): 5/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : CONSIDERATION OF ATM MEDIUM ACCESS CONTROL(ATM-MAC)LAYER PROTOCOL

Contact Person:

Kil Young Choi, ETRI

P.O.Box 106, YUSUNG TAEJON, 305-600, KOREA

Tel: +82-42-860-5917 Fax: +82-42-860-5213

Email : kychoi@winky.etri.re.kr

Abstract

At the last Q5/13 meeting(Geneva, July 1995), considerations for multi-access UNI and multi-point functions had been proposed as new ATM question items. This contribution proposes to define a ATM-MAC (medium Access Control) layer between the ATM layer and the physical layer especially for various access network environments.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s): 6/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : THE REMAINING ISSUES OF ATM ADAPTATION LAYER(AAL)

Contact Person:

Kil Young Choi, ETRI

P.O.Box 106, YUSUNG TAEJON, 305-600, KOREA

Tel: +82-42-860-5917 Fax: +82-42-861-5213

Email : kychoi@winky.etri.re.kr

Abstract

This contribution reviews the remaining issues of AAL protocol. There exist some discrepancies between the AAL functions supported by ITU-T and the usage of AAL functions assumed by the other organizations such as ATM forum, DAVIC, and IETF group. It will expect to be enhanced at the next study period.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s): 8/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : ABR VPC for the Multiplexing of ABR VCCs

Contact Person:

Yong Jin Kim, ETRI

Tel: +82-42-860-5581 Fax: +82-42-861-5404

e-mail : yjkim@pec.etri.re.kr

Abstract

ABR transfer capability is specified for the purpose of improving multiplexing gain in ATM networks by using available bandwidth in the network However, the the pros and cons of using ABR VPCs, and it proposes considerations for the support of ABR VPCs to be included in the new study items of Q.8 in the next study period.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s): 7/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : Extent of the Protected Domain

Contact Person:

    Dong-Yong Kwak

    ATM Access Section, ETRI

    E-mail : dykwak@tdx.etri.re.kr

Abstract

This contribution proposes two essential funetions for protection switching. An analysis based on

two essential functions is carried out for three possible cases of the protected domain. This contribution also supports the case where the protected domain is exactly the same as the OAM segment.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s): 8/13

SOURCE : KOREA(Republic of)

TITLE : Considerations of the interoperability between ATM transfer capabilities

Contact Person:
> Woo-Seop Rhee
> ATM Access Section, ETRI
> Email : wsrhee@tdx.etri.re.kr

Abstract

In this contribution, we consider the problems of interoperability between different ATM transfer capabilities and propose that these problems are included in new study items of Q.8 on the next study period.

ITU- Telecommunication Standardization Sector

Study Group 13

Geneva, 29 April.-10 May, 1996

Delayed Contribution No. D.

Document addressed to : WP2/13

Question(s): 7/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : Considerations for Continuity Check on Point-to-Multipoint connection

Contact Person:

Dong-il Seo

Tel: +82-42-860-3814 Fax: +82-42-861-5213

E-mail : bluesea@winky.etri.re.kr

Abstract

This contribution proposes the method of processing Continuity Check on Point-to-Multipoint connection and, defines the 'ATM Source Address' field inside the Activation/Deactivation cell.

ITU- Telecommunication Standardization Sector

Study Group 13

Geneva, 29 April.-10 May, 1996

Delayed Contribution No. D.

Document addressed to : WP2/13

Question(s): 7/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : General OAM Flows for P-to-M connections at ATM Layer

Contact Person:

Jong-Arm Jun. ETRI

P.O.Box 106, Yusong Taejeon, Korea 305-600

E-mail : bluesea@winky.etri.re.kr

Abstract

There are many problems to be solved for P_to_M connection management. A number of contributions have been focused on the consideration of fault management OAM. This document proposes to reconsider the general OAM flows for P_to_M connection management which can be applicable to both fault management and performance management with the use of existing Rec. 1.610 OAM capabilities.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s):Question 7/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : Maintenance of P_to_M connections for E_to_E Loopback

Contact Person:

Jong-Arm Jun, ETRI

P.O.Box 106, Yusong Taejeon, Korea 305-600

E-mail : jajun@winky.etri.re.kr

Introduction

In the proceeding contribution[4] it has been underlined on general OAM flows for P_to Mconnection management. It has been pointed out that the OAM capabilities of end nodes could be very unique for P_to_M connection management because the end nodes terminate all E_to_E OAM cells on P_to_M connections from end users. This document gives some more detail OAM flows of E_to_E Loopback OAM cell at end nodes for the maintenance of P_to_ M connections.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s):Question 7/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : Maintenance of P_to_M connections for E_to_E Backward Reporting Cell

Contact Person:

Jong-Arm Jun, ETRI

P.O.Box 106, Yusong Taejeon, Korea 305-600

E-mail : jajun@winky.etri.re.kr

Introduction

In the proceeding contribution[1] it has been underlined on general OAM flows for P_to_M connection management. It has been pointed out that the OAM capabilities of end nodes could be

very unique for P_to_M connection management because the end nodes terminate all E_to E OAM cells on P_to_M connections from end users. This document gives some more detail OAM flows of E_to_E Backward Reporting OAM cell at end nodes for the maintenance of P_ to_M connections.

ITU- Telecommunication Standardization Sector

Study Group 13   Delayed Contribution No. D.

Geneva, 29 April.-10 May, 1996

Document addressed to : WP2/13

Question(s):6.1/13

SOURCE : KOREA(REPUBLIC OF)

TITLE : AAL types for the accomodation of real-time VBR services

Contact Person:

     Young Wook Sirl

     New Media Service Section, ETRI

     P.O.Box 106 Yusong Post Office Taejon, 305-600 Korea

     Tel: +82-42-860-3826 Fax: +82-42-861-2932

     E-mail : ywsirl@eagle.etri.re.kr

Abstract

This contribution considers and enhanced version of AAL types for the accomodation of realtime VBR services, maintaining all the compatibilities with the present protocols of AAL-1.