ITU-T SG15 회의 기고서

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ITU- Telecommunication Standardization Sector

STUDY GROUP 15 - CONTRIBUTION-D.

SOURCE : Republic of Korea
TITLE : Addition of reception/generation of MS-REI to G.782, G. 783.

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Introduction

In the light of past experiences of developing some SDH-related transmission equipments, we know that all the descriptions clarified in G.70X, G.782 and G. 783 had better present the procedures by which interworking between SDH-related equipments can be accomplished harmoniously.

As the application of M1(MS-REI) byte which has been provisionally specified in recent is defined in G. 70X, the specifications with relation to MS-REI(FEBE) should also be added to G. 782 and G. 783 properly.

ITU- Telecommunication Standardization Sector

Study Group 15   Delayed Contribution D.

Geneva 13-24 Nov. 1995

Question: WP3 Q17/15

STUDY GROUP 15 - CONTRIBUTION-D.

SOURCE:Republic of Korea

TITLE: Addition of automatic detection/acceptance decision step to pointer interpretation process

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Introduction

This document is about the addition of a part to pointer processing flow chart depicted in FIGURE 2-8/G.783 for AU-n signals. Current pointer processing flow chart does not include the flow for AU-3 and AU-4 or the first AU-4 of an AU-4-Xc and the pointers of the other AU-4s to be detected automatically and to be accepted correctly into interpretation process before transmitting AU-n pointers.

This document basically relies on the concept to take each pointer word into account individually. According to NOTE 1 dedicated to the FIGURE 2-8/G.783, the decision should be made at current step 2, 'Pointer Invalid Value?(Note 1)', on whether a pointer being processed is for an AU-3 (or a pointer of the first AU-4 of an AU-4-Xc) or an AU-4(or pointers of the other AU-4s AU-4s of an AU-4-Xc), (NOTE 1: Concatenation indication(CI) should be interpreted at this point. From the rules in Recommendation G.709(G.70X) the first AU-4 of an AU-4-Xc shall be interpreted according to the flow chart; the pointers of the other AU-4s contain CI bits, and the pointer processor shall perform the same operation as performde on the first AU-4.).

Figure 8-1/G.70X for AU-4 pointer offset numbering and FIGURE 8-3/G.70X for AU-n/TU-3 pointer(H1, H2, H3)coding show that the pointer processor shall interpret a pointer whose pointer value is 1001SS1111111111 (SS bits unspecified) as one concatenated and transmit the identical pointer value indicating that its AU-n is concatenated.

But current pointer processing flow chart can not meet this case in that it does not provide a flow for pointers indicating concatenation to be transmitted with the specified value. Instead of applying Note 1 in

current step 2, this document applies its meaning in newly proposed decision step "Conc_ind?", where Conc_ind is defined in Annex B/G.783 as 'NDF enabled+dd1111111111'.

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Study Group 15
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STUDY GROUP 15 - CONTRIBUTION

SOURCE: Korea
TITLE: Proposal of additional Attributes in G.774

STATUS: Proposal
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Introduction

In G.774, there are two directional TPs(Termination Points)-sink TPs and source TPs. But, these TPs are using the same attribute for its naming. So, these occur a "instance conflict" error when to find a object instance in MIT and violate the unambiguity within its superior object.

According to the section 6.3/X.720 that recommends the Structure of Management Information, the AVA must have the property of unambiguously identifying a single managed object within the scope of its superior object. Different naming attributes may be used to identify the managed object instance does not satisfy this property.

So, this contribution proposes some additional naming attributes which will be used to distinguish the sink and the source TP identifier should be added to the G.774. Also, proposes some additional text for namebindings, packages, attributes and managed object class templates which are related naming attributes.

ITU- Telecommunication Standardization Sector

Study Group 15

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STUDY GROUP 15 - CONTRIBUTION

SOURCE: Korea
TITLE: Proposal of additional specification of ASN.1 in G.774-02

STATUS: Proposal
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Introduction

Section 9/G.774-02 that is recommending SDH Configuration of the Payload structure for the NE View(COM15-51-E Jan. '94) defines several actions such as DefineAUGStructure, DefineVC4Structure, etc.

In Table 1/X.722, Action template is composed of ACTION-INFO, ACTION-REPLY, CONTEXT-KEYWORD and SPECIFIC-ERROR as possible context. And In X.710, it is specified that the Action in a confirmed mode expects a reply.

However, there are no WITH REPLY SYNTAXes for replying to CMIS action requests in a action definition of G.774-02. Since all the actions in the G.774-02 are specified in confirmed mode, there should be the definitions and ASN.1 specification of replying actions.

This Contribution proposes some additional text for the GDMO definition of 'WITH REPLY SYNTAX'es and ASN.1 specifications.