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SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE
General

Global Information Infrastructure scenario methodology

ITU-T Recommendation Y.120

(Previously CCITT Recommendation)

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GLOBAL INFORMATION INFRASTRUCTURE

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ITU-T RECOMMENDATION Y.120

GLOBAL INFORMATION INFRASTRUCTURE SCENARIO METHODOLOGY

Summary

This Recommendation describes a set of graphical techniques that can be used to simply illustrate scenarios which depict a variety of interconnected network technologies, and the associated key interfaces that may be encountered in the provision of the Global Information Infrastructure (GII).

Source

ITU-T Recommendation Y.120 was prepared by ITU-T Study Group 13 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 12th of June 1998.

Keywords

Global Information Infrastructure, GII, standardization, networks, scenarios, interfaces.

FOREWORD

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The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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Recommendation Y.120**GLOBAL INFORMATION INFRASTRUCTURE SCENARIO METHODOLOGY***(Geneva, 1998)***1 Introduction**

This Recommendation describes a set of techniques that can be used to graphically illustrate configurations of a variety of network technologies and user appliance that may be expected to be encountered in the context of the Global Information Infrastructure (GII). The term "scenario" has been adopted to denote a combined graphical and textual representation of such a configuration.

1.1 The need

In some cases the GII will comprise components from different industry sectors, i.e. telecommunications, information technology and entertainment. The boundaries of service provision are no longer distinct, and the convergence between the industry sectors is occurring, and more diverse service delivery technologies are emerging. Because of the different backgrounds of the participants, a mutually understood methodology is required in order that scenarios can be developed and analyzed in a consistent fashion.

The provision of various services by a variety of service providers, over a variety of network technologies, from different industry sectors, makes provision of end-to-end service a significant system integration issue. In order to understand the related standards issues, it is necessary to understand the interdependencies amongst all components in the system as well as those between immediately adjacent components at a single interface. This need can only be met by examining the interplay and inter-relationships amongst all components within a given scenario. The task can be made more manageable if a number of interacting components can be depicted in a single diagram.

NOTE – It is not envisaged that all situations can be fitted into a single diagram. Clearly, some step-wise refinement will be necessary in the most complex cases. However, the principle holds true for each level of abstraction in cases where a number of different levels of abstraction are required.

1.2 The purpose

The purpose of a scenario is to enable specific arrangements of certain GII components to be illustrated. Interesting cases occur when technologies from different industries come together and/or where services traditionally offered by particular providers over particular technologies are offered by non-traditional providers over non-traditional technologies. Examples of this are telephone service over cable TV network or video services over local loop networks. Other interesting cases involve the interconnection of technologies not previously interconnected and/or the non-traditional use of certain appliances.

Thus, the primary purpose of a scenario is:

- a) identification of points that form key interconnection interfaces, access interfaces or appliance interfaces in a configuration involving a set of providers of services, networks and appliances;
- b) identification of the set of standards that could be applied at each key interface point;
- c) identification of the key standards development organizations SDOs and/or industry consortia that might desire to be involved in the standards-related system integration issues.

**Documents**

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