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ITU-T

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STANDARDIZATION SECTOR
OF ITU

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**OPERATIONS AND QUALITY OF SERVICE
AUDIOVISUAL SERVICE**

AUDIOVISUAL INTERACTIVE SERVICES

ITU-T Recommendation F.740

(Previously "CCITT Recommendation")

FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

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 (Helsinki, March 1-12, 1993).

ITU-T Recommendation F.740 was prepared by ITU-T Study Group 1 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 31st of August 1993.

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 F.740**AUDIOVISUAL INTERACTIVE SERVICES***(Geneva, 1993)*

The ITU-T,

considering

- (a) the existing (draft) documents on Audiovisual Interactive systems and protocols in SG 8;
- (b) the state of the art of standardization of multimedia and hypermedia information in ISO;
- (c) the need for handling audiovisual information of various types, namely text, graphics, still images and moving pictures on telecommunication networks;
- (d) the need of having this audiovisual information shared by a various range of users supplying, managing or retrieving applications controlling it, and thus, using a wide and complex range of functions;
- (e) that users are justified to demand an acceptable minimum quality of service;
- (f) the current setting up of both pilot and operational AVI Services in the fields of education, marketing help, entertainment, etc.,

adopts

the subsequent Recommendation dealing with the General Description for Audiovisual Interactive Service (AVIS).

1 Introduction

The purpose of this Recommendation is to define and describe, from the user's point of view, the general features and attributes of the AVI Service, regardless of the network environment where the service might be provided.

2 Definition of the AVI Service

An AVI Service is a service which provides, through appropriate access by standardized procedures, users of terminals or workstations with information which consists of various input and output presentation elements, possibly combined, such as:

- texts;
- graphics;
- pictures;
- audio sequences;
- video sequences.

A range of functions may be supplied to the user such as:

- simple retrieval;
- interactive consultation;
- re-arrangement of the assembling of elements;
- modification of the elements themselves.

The AVI Service also covers other service aspects related to the creation and management of the information.

It is considered that the operation requires the participation of a number of organizations. The whole set of functionalities offered by the AVI Service is usually carried out via telecommunications networks.

The AVI Service is essentially an asymmetrical service in which a single service provider is providing the service to several users. Additionally, rerouting from one service provider to another one may be offered.

The users of an AVI Service may be equipped with an heterogeneous set of terminals or workstations.