

§

INTERNATIONAL TELECOMMUNICATION UNION

**CCITT**

**D.240**

THE INTERNATIONAL  
TELEGRAPH AND TELEPHONE  
CONSULTATIVE COMMITTEE

**GENERAL TARIFF PRINCIPLES  
CHARGING AND ACCOUNTING IN  
INTERNATIONAL TELECOMMUNICATIONS  
SERVICES**

**CHARGING AND ACCOUNTING  
PRINCIPLES FOR TELESERVICES  
SUPPORTED BY THE ISDN**

**Recommendation D.240**

§

Geneva, 1991



Printed in Switzerland

## **FOREWORD**

**permanent organ of the International Telecommunication Union (ITU). CCITT 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 Plenary Assembly of CCITT which meets every four years, establishes the topics for study and approves Recommendations prepared by its Study Groups. The approval of Recommendations by the members of CCITT between Plenary Assemblies is covered by the procedure laid down in CCITT Resolution No. 2 (Melbourne, 1988).

Recommendation D.240 was prepared by Study Group III and was approved under the Resolution No. 2 procedure on the 22 of March 1991.

---

## **CCITT NOTE**

**indicate both a telecommunication Administration and a recognized private operating agency.**

ã ITU 1991

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the ITU.

**PAGE BLANCHE**

## **Recommendation D.240**

Recommendation D.240

### CHARGING AND ACCOUNTING PRINCIPLES FOR TELESERVICES SUPPORTED BY THE ISDN

## **Preamble**

This Recommendation sets out the charging and accounting principles for teleservices provided over the ISDN. It covers the teleservices currently contained in the following sections of Recommendation I.241: §.1 for telephony, §.2 for teletex, §.3 for telefax 4, §.4 for mixed mode, §.5 for videotex and §.6 for telex.

The CCITT,

*considering*

(a) that general principles for charging and accounting of international telecommunication services provided over the ISDN are contained in Recommendation D.210 which states that the charging and accounting principles should not be discriminatory, i.e., not depend on the type of information transmitted except where the costs incurred by the Administrations differ;

(b) that teleservices have the same lower layer attributes as the bearer services supporting them;

(c) that general principles for charging and accounting principles to be applied for international circuit-mode demand bearer services are contained in Recommendation D.220,

*recommends that*

## **1 Charging principles**

1.1 The charging principles for teleservices should be based on those developed for the bearer service supporting them as shown in Table 1/D.240.

μTABLE 1/D-240

Associated bearer service

Telephony

3.1 kHz audio or 64 kbit/s unrestricted

Teletex

64 kbit/s unrestricted, or packet  
(see Note 1)

Telefax 4

64 kbit/s unrestricted, or packet  
(see Note 1)

Mixed mode

64 kbit/s unrestricted, or packet  
(see Note 1)

Videotex

64 kbit/s unrestricted,  
(see Note 2)

Telex

64 kbit/s unrestricted  
(see Note 2)

*Note 1* — Tariff principles for packet mode bearer service have yet to be developed.

*Note 2* — As currently defined in the Section of Recommendation I.241 described in the preamble.



1.2 Although the level of the charge is a national matter, it may vary in accordance with the higher layer functions associated with the supporting bearer service.

## **2 Accounting principle**

2.1 Subject to bilateral agreement, the accounting rate for a teleservice should be based on the rate for the bearer service to which it relates as shown in Table 1/D.240.

*Note* — This principle does not cover the case where dissimilar bearer connection types are used to provide a particular teleservice.