



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

U.207

(03/93)

TELEGRAPH SWITCHING

INTERNATIONAL TELEX SERVICE

**TECHNICAL REQUIREMENTS TO BE MET
FOR THE TRANSFER OF MESSAGES
BETWEEN TERMINALS OF THE
INTERNATIONAL TELEX SERVICE AND
GROUP 3 FACSIMILE TERMINALS
CONNECTED TO THE PSTN**

ITU-T Recommendation U.207

(Previously "CCITT Recommendation")

FOREWORD

The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the International Telecommunication Union. 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, established the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

ITU-T Recommendation U.207 was prepared by the ITU-T Study Group IX (1988-1993) and was approved by the WTSC (Helsinki, March 1-12, 1993).

NOTES

1 As a consequence of a reform process within the International Telecommunication Union (ITU), the CCITT ceased to exist as of 28 February 1993. In its place, the ITU Telecommunication Standardization Sector (ITU-T) was created as of 1 March 1993. Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.

In order not to delay publication of this Recommendation, no change has been made in the text to references containing the acronyms "CCITT, CCIR or IFRB" or their associated entities such as Plenary Assembly, Secretariat, etc. Future editions of this Recommendation will contain the proper terminology related to the new ITU structure.

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

© ITU 1994

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.

CONTENTS

	<i>Page</i>
1 Introduction	1
2 Basic interworking service	1
3 Interworking in the telex to facsimile direction	2
4 Notifications	7
5 Interworking in the facsimile-to-telex direction.....	7
Annex A – Reactions to abnormal conditions during text input from telex	8

Recommendation U.207

TECHNICAL REQUIREMENTS TO BE MET FOR THE TRANSFER OF MESSAGES BETWEEN TERMINALS OF THE INTERNATIONAL TELEX SERVICE AND GROUP 3 FACSIMILE TERMINALS CONNECTED TO THE PSTN

(Helsinki, 1993)

1 Introduction

This Recommendation defines the technical requirements to be met for the transfer of messages between terminals of the international telex service and Group 3 facsimile terminals connected to the public switched telephone network.

Interworking with Group 4 facsimile terminals is for further study.

2 Basic interworking service

2.1 The interworking shall be established by provision of a Telex/Facsimile Interworking Facility (FAXIWF). Message transfer shall be provided on a store-and-forward basis via the FAXIWF.

2.2 The FAXIWF shall cater for access from both manual operated telex terminals and telex automatic emitting devices (TAEDs).

2.3 In the telex to facsimile direction the following functions shall be provided by the FAXIWF:

- acceptance of messages from the telex side, with accompanying addressing information,
- division of the text received into pages and preparation of a “Header Page” (or a herald), containing all necessary recall information, for delivery to the facsimile side,
- delivery of these messages immediately after complete reception to the requested facsimile terminal, with retries if necessary,
- provision of non-delivery notifications.

2.4 In addition to the basic functions the following facilities may be provided:

- multi-address (not applicable in one-stage access method). This facility shall be barred for international access, except if a bilateral agreement exists between the Administration of the caller and the provider of the FAXIWF. Where this facility is provided, the FAXIWF should be capable of accepting at least 20 facsimile terminal (PSTN) addresses in a multi-address call;
- follow-on messages (not applicable in one-stage access method);
- message cancellation during text input. Request for message cancellation shall be indicated by the caller by an FFFF sequence. As response, the FAXIWF shall send the sequence ANUL ANUL;
- positive delivery notification;
- enquiry, e.g. for status or cancel as defined in Recommendation U.220;
- attention information as in Recommendation U.80;
- short code selection and pre-recorded address lists as a national matter (not applicable in one-stage access method).

2.5 Types of interworking

Interworking between the telex service and facsimile terminals consists of two directions:

- a) telex-to-facsimile. This is described in clause 3;
- b) facsimile-to-telex. This is described in clause 5.