



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

F.163

(07/96)

SERIES F: NON-TELEPHONE TELECOMMUNICATION
SERVICES

Telematic services – Public facsimile service

**Operational requirements of the interconnection
of facsimile store-and-forward units**

ITU-T Recommendation F.163

(Previously "CCITT Recommendation")

ITU-T F-SERIES RECOMMENDATIONS

NON-TELEPHONE TELECOMMUNICATION SERVICES

TELEGRAPH SERVICE	F.1-F.109
Operating methods for the international public telegram service	F.1-F.19
The gentex network	F.20-F.29
Message switching	F.30-F.39
The international telemesssage service	F.40-F.58
The international telex service	F.59-F.89
Statistics and publications on international telegraph services	F.90-F.99
Scheduled and leased communication services	F.100-F.104
Phototelegraph service	F.105-F.109
MOBILE SERVICE	F.110-F.159
Mobile services and multideestination satellite services	F.110-F.159
TELEMATIC SERVICES	F.160-F.399
Public facsimile service	F.160-F.199
Teletex service	F.200-F.299
Videotex service	F.300-F.349
General provisions for telematic services	F.350-F.399
MESSAGE HANDLING SERVICES	F.400-F.499
DIRECTORY SERVICES	F.500-F.549
DOCUMENT COMMUNICATION	F.550-F.599
Document communication	F.550-F.579
Programming communication interfaces	F.580-F.599
DATA TRANSMISSION SERVICES	F.600-F.699
AUDIOVISUAL SERVICES	F.700-F.799
ISDN SERVICES	F.800-F.849
UNIVERSAL PERSONAL TELECOMMUNICATION	F.850-F.899
HUMAN FACTORS	F.900-F.999

For further details, please refer to ITU-T List of Recommendations.

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.163 was revised by ITU-T Study Group 1 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 19th of July 1996.

NOTE

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

© ITU 1996

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.



Documents

Document Sharing Hub

Recommendation F.163 (07/96)

i

CONTENTS

		<i>Page</i>
1	Introduction	1
2	Scope	1
3	Definitions	1
4	Overview	2
5	Interconnection requirements	2
5.1	General	2
5.2	Information transfer unit	2
5.3	Transit arrangements	4
6	Service interworking principles	4
6.1	Message addressing	5
6.2	Address list codes	5
6.3	Message identification	5
6.4	Class of message delivery	5
6.5	Message deferral	5
6.6	Cover page	5
6.7	Advice of successful/unsuccessful message transfer	5
6.8	Advice of successful/unsuccessful message delivery	6
6.9	Facsimile format conversion	7
7	Quality of service	7
7.6	Observations on the quality of service	7
7.7	Duration of service	7

Recommendation F.163

OPERATIONAL REQUIREMENTS OF THE INTERCONNECTION OF FACSIMILE STORE-AND-FORWARD UNITS

(revised in 1996)

1 Introduction

A growing number of Administrations are offering store-and-forward facsimile (COMFAX) services to their customers. For the efficient and economical extension of these services across international boundaries, there is a need for the interconnection of the facilities used to provide these services.

2 Scope

2.1 This Recommendation describes the general principles and operational aspects of the COMFAX service when operated and interconnected between Administrations.

2.2 This Recommendation should be implemented in conjunction with Recommendation F.162 which describes the COMFAX service, and the relevant technical requirements of the T- and X-Series Recommendations. This Recommendation may also be used in connection with the provision of the bureaufax service as described in Recommendations F.170 and F.171.

3 Definitions

This Recommendation uses the terms listed below.

NOTE – Use of the terms “delivery”, “submission”, “transfer”, does not imply any specific protocol implementation regarding the X.400-Series of Recommendations.

3.1 Fax SFU: A Fax SFU refers to the boundary within which the facsimile store-and-forward service is provided by one or more facsimile store-and-forward units under the control of one Administration. A Fax SFU must provide the functions of message submission, message delivery and, in the case of interconnection, message transfer.

3.2 message delivery: Message delivery is defined as the transfer of message data and responsibility for the message from a Fax SFU to a recipient address.

3.3 recipient address: A recipient address is defined as the ultimate destination of a message. A recipient address may designate a facsimile terminal or a storage device empowered to receive messages for a FAX recipient.

3.4 message submission: Message submission is defined as the transfer of message data and responsibility for the message from the originator to the COMFAX service (e.g. typically indicated by the successful completion of the T.30 protocol).

3.5 message transfer: Message transfer is defined as the transfer of message data and responsibility for the message from one Fax SFU (or transfer system) to another Fax SFU (or transfer system).

3.6 transfer system: A transfer system is defined as a system which accomplishes message transfer as defined above. A transfer system may or may not provide end user facsimile services.

3.7 transit facility: A transit facility is either a Fax SFU or a transfer system.