



INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

I.252.4

(08/92)

**INTEGRATED SERVICES DIGITAL NETWORK
(ISDN)**

**GENERAL STRUCTURE AND SERVICE
CAPABILITIES**

CALL FORWARDING UNCONDITIONAL

Recommendation I.252.4



Geneva, 1992

FOREWORD

The CCITT (the International Telegraph and Telephone Consultative Committee) is a 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 I.252.4 was prepared by Study Group I and was approved under the Resolution No. 2 procedure on the 4th of August 1992.

CCITT NOTES

- 1) In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication Administration and a recognized private operating agency.
- 2) A list of abbreviations used in this Recommendation can be found in Annex A

© ITU 1992

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.

Recommendation I.252.4

CALL FORWARDING UNCONDITIONAL

(revised 1992)

1 Definition

Call forwarding unconditional permits a "served user" (see § 2.2) to have the network send to another number all incoming calls for the served user's ISDN number (or just those associated with a specified basic service). The served user's originating service is unaffected. If this service is activated, calls are forwarded no matter what the condition of the termination. Other call forwarding services provide for call forwarding based on condition, e.g. Call Forwarding Busy and Call Forwarding No Reply.

The forwarded-to number is registered with the network for use on all calls.

Note – In normal situations, the Call Forwarding Unconditional service is provided on a per access basis. (In these situations, there is a one-to-one relationship between ISDN number and access.) However, the network may recognize multiple numbers on a single interface; in addition, it may not understand a complete ISDN number (e.g. Direct-Dialling-In). In these cases, the Call Forwarding Unconditional service is offered on the basis of the part of the ISDN number which the network can recognize.

2 Description

2.1 General description

For a given ISDN number, Call Forwarding Unconditional (CFU) service (including options) may be subscribed to for each basic service to which the user(s) of the number subscribes, or collectively for all the basic services to which the user(s) subscribes. Since subscription is on an ISDN number basis, the same call forwarding subscriptions will apply to all terminals using this number.

Note – In this service description, it is assumed that a single ISDN number is not shared across multiple interfaces. A single ISDN number may, however, be shared by multiple terminals on the same interface. Procedures permitting an ISDN number to be shared across multiple interfaces are for further study. For multiple access installations, it may be possible for the user to specify, on activation, if the service is applicable to a specific access or all accesses associated with that installation.

The served user can request a different forwarded-to number for each basic service subscription parameter value to which he has subscribed.

An indication that the CFU service is activated on a number may, as an option, be given to the user who has forwarding activated, each time an outgoing call is made. This may take the form of a special indication in the proceed response.

2.2 Specific terminology

Served user: User of a particular ISDN number who is requesting that calls to his number be forwarded. This user may also be referred to as the forwarding user or the called user.

Forwarded-to-user: User to whom the call shall be forwarded.

2.3 Qualifications on the applicability to telecommunication services

No restrictions identified.

3 Procedures

3.1 Provision/withdrawal

CFU shall be provided after pre-arrangement with the service provider.

The service can be offered with four subscription options. Options apply separately to each basic service subscribed to on each ISDN number. For each subscription option, only one value can be selected. Subscription options are summarized below:

Subscription options	Value
Served user receives notification that the call has been forwarded	No Yes, with information about the call (see § 3.2.2)
Calling user receives notification that the call has been forwarded (see Note)	No Yes, without the forwarded-to user number Yes, with the forwarded-to user number
Served user receives notification that CFU is currently activated	No Yes
Served user releases his/her number to forwarded-to user	No Yes

Note – Notification of diversion to the calling user A may be provided as a network provider option.

This service will be withdrawn by the service provider at the subscriber's request or for administrative reasons.

3.2 Normal procedures

3.2.1 Activation/deactivation/registration

If the served user has subscribed to CFU, the served user will use the activation procedure.

To activate CFU, the served user must supply:

- 1) the forwarded-to address;
- 2) information as to whether all calls or all calls of a specified basic service should be forwarded;
- 3) possibly the ISDN number for which CFU should apply.

As a network option, verification of the forwarded-to number should be accomplished, if possible, before accepting the call forwarding request.