



INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

I.254.2

(08/92)

**INTEGRATED SERVICES DIGITAL
NETWORK (ISDN)**

**GENERAL STRUCTURE AND SERVICE
CAPABILITIES**

THREE-PARTY SUPPLEMENTARY SERVICE

Recommendation I.254.2



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.254.2 was revised 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.

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THREE-PARTY SUPPLEMENTARY SERVICE

(revised 1992)

1 Definition

The **Three-Party Service** enables a user to establish a three-way conversation, i.e. a simultaneous communication between the served user and two other parties.

2 Description

2.1 General description

2.1.1 Beginning the Three-Party supplementary service

The served user, user A, who is involved in at least two calls (one active call and at least one call on hold), each of which may be an incoming or outgoing call, can join the active and one held call together into a three-way conversation by requesting the Three-Party Service (3 PTY). Both calls shall be answered prior to the invocation of the Three-Party supplementary service.

2.1.2 Controlling the three-way conversation

During an active three-way conversation the served user shall be able to:

- i) disconnect one party;
- ii) disconnect the entire three-way conversation;
- iii) explicitly choose one party to have a private communication with that party.

Note – This last case will result in the served user having two calls available (one active and one held) similar to the situation before the invocation of the Three-Party supplementary service.

The Three-Party supplementary service shall be cancelled by the user actions listed above.

2.2 Specific terminology

Served user: During the invocation and the active phase, the service is under the control of the “served user”, i.e. the one by whom the service was invoked. This user is also referred to as user A.

Remote parties (user B and user C): The parties involved in the two calls that are joined together into a three-way conversation (user A with user B, user A with user C).

2.3 Qualifications on the applicability to telecommunication services

The Three-Party supplementary service shall be applicable to all telecommunication services carrying speech.

3 Procedures

3.1 Provision/withdrawal

The Three-Party supplementary service shall be provided by prior arrangement with the service provider.

Withdrawal of the service shall be made by the service provider upon request by the subscriber or for service provider reasons.

3.2 Normal procedures

3.2.1 Activation/deactivation/registration

Not applicable.

3.2.2 Erasure

Not applicable.

3.2.3 Invocation and operation

3.2.3.1 Beginning the Three-Party Service

The served user, user A, who is involved in at least two calls (an active call with one party and at least one call on hold with another party) can request that the service provider joins the active call and one specified call on hold together into a three-way conversation. Both calls shall be answered prior to the invocation of the Three-Party supplementary service.

Note – It shall be the responsibility of the served user to ensure that the two calls are compatible.

3.2.3.2 Managing the three-way conversation

Served user: During an active three-way conversation the served user shall be able to:

- i) disconnect one of the parties. This shall result in a single active call between the served user and the other party. The Three-Party supplementary service shall automatically be terminated;
- ii) disconnect the entire three-way conversation. Both calls shall be cleared;
- iii) Explicitly choose one party to have a private communication with that party. This shall result in the termination of the Three-Party supplementary service (i.e. the release of the resources allocated for the three-way conversation). The served user shall be able to explicitly indicate the party which shall remain active afterwards. The call with the other party shall be placed on hold.

Note – If the served user again wants to join the two calls together into a three-way conversation, he has to request the Three-Party supplementary service again.

Other parties (B and C): Either of the remote parties (users B or C) shall be able to disconnect from the three-way conversation which shall result in the Three-Party supplementary service being terminated. There shall remain a single active call between the served user and the other party.

All participants of a three-way conversation shall receive a notification at the invocation and cancellation of this supplementary service.

Note – During an interim period of time some networks may not support the sending of notifications to the remote users.

3.2.4 Interrogation

Not applicable.