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8 [[]HJbc`ca fYy`n`bHY[f]fUb]a]g'g'f]h] Ua]'f'g'8 B'È'8 cdc`b]bUg'g'f]h]j .
cbZfYb b]`]VÈdcg'g'f]h]j ndcg'g'f]h]j `Ub`Y`f] CB: È'È'Cd]g'g'f]h]j Y

Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Service description

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33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
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Foreword

This European Telecommunication Standard (ETS) has been produced by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

In accordance with CCITT Recommendation I.130 [1], the following three level structure is used to describe the supplementary telecommunications services as provided by European public telecommunications operators under the pan-European Integrated Services Digital Network (ISDN):

- Stage 1: is an overall service description, from the user's standpoint;
- Stage 2: identifies the functional capabilities and information flows needed to support the service described in stage 1; and
- Stage 3: defines the signalling system protocols and switching functions needed to implement the service described in stage 1.

This standard details the stage 1 aspects (overall service description) for the Conference call, add-on (CONF) supplementary service. The stage 2 and stage 3 aspects are detailed in ETS 300 184 (1992) and ETS 300 185 (1992), respectively.

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1 Scope

This standard defines the stage one of the Conference call, add-on (CONF) supplementary service for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators. Stage one is an overall service description from the user's point of view (see CCITT Recommendation I.130 [1]), but does not deal with the details of the human interface itself.

This standard defines the interworking requirements of private ISDNs with the public ISDN.

In addition, this standard specifies the base functionality where the service is provided to the user via a private ISDN.

This standard does not specify the additional requirements where the service is provided to the user via a telecommunications network that is not an ISDN but does include interworking requirements of other networks with the public ISDN.

Interactions with supplementary services not listed in Clause 8 are outside the scope of this standard.

Charging principles are outside the scope of this standard.

The CONF supplementary service enables a user to participate in, and control, a simultaneous communication involving a number of users.

The CONF supplementary service is applicable to all circuit-switched telecommunications services carrying speech.

This standard is applicable to the stage two and three standards for the ISDN CONF supplementary service. The terms "stage two" and "stage three" are also defined in CCITT Recommendation I.130 [1]. Where the text indicates the status of a requirement, (i.e. as strict command or prohibition, as authorisation leaving freedom, or as a capability or possibility), this shall be reflected in the text of the relevant stage two and three standards.

Furthermore, conformance to this standard is met by conforming to the stage three standard with the field of application appropriate to the equipment being implemented. Therefore, no method of testing is provided for this standard.

2 Normative references

This standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to, or revisions of, any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] CCITT Recommendation I.130 (1988): "Method for the characterisation of the telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [2] CCITT Recommendation I.112 (1988): "Vocabulary of terms for ISDNs".
- [3] CCITT Recommendation I.210 (1988): "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [4] CCITT Recommendation Q.9 (1988): "Vocabulary of switching and signalling terms".

3 Definitions

For the purposes of this standard, the following definitions apply:

Integrated Services Digital Network (ISDN): see CCITT Recommendation I.112 [2], § 2.3, definition 308.

Service; telecommunications service: see CCITT Recommendation I.112 [2], § 2.2, definition 201.

Supplementary service: see CCITT Recommendation I.210 [3], § 2.4.

Served user: the user to whom the CONF supplementary service is provided.

Basic access: see CCITT Recommendation Q.9 [4], § 1, definition 1551.

Primary rate access: see CCITT Recommendation Q.9 [4], § 1, definition 1552.

Conference: a call having the capability of involving a number of users who can communicate simultaneously.

Conference controller: the (served) user who invokes the CONF supplementary service and controls the addition and removal of conferees.

Conferee: any user involved in the conference, other than the conference controller.

Party: any user participating in the conference.

Private communication: a communication between the conference controller and another user who may be a past/potential conferee. This communication is entirely separate from the conference.

(Existing) active call: a call for which the connection has been established.

Idle state: in this state, the user invokes the CONF supplementary service without an associated call.

4 Symbols and abbreviations

ISDN	Integrated Services Digital Network
CONF	Conference call, add-on
PSTN	Public Switched Telephone Network

5 Description

The CONF supplementary service shall apply to the basic access and to the primary rate access.

The CONF supplementary service enables a user to participate in and control a simultaneous communication involving a number of users.

The CONF supplementary service can be invoked from the idle state. As a network option, the CONF supplementary service can be invoked from an existing active call.

When the CONF supplementary service is invoked, conference resources are allocated to the served user. In the case of invocation from an active call, this call will be connected to the conference resources.

6 Procedures

6.1 Provision and withdrawal

The CONF supplementary service shall be provided by prior arrangement with the service provider.

The maximum number of parties allowed in a conference shall be a network option.

The CONF supplementary service shall be withdrawn by the service provider upon request by the subscriber or for service provider reasons.

6.2 Normal procedures

6.2.1 Activation, deactivation and registration

Not applicable.

6.2.2 Erasure

Not applicable.

6.2.3 Invocation and operation

The CONF supplementary service can be invoked from the idle state. As a network option, the CONF supplementary service can be invoked from an existing call.

NOTE: It is the responsibility of the user to ensure that the calls are compatible.

6.2.3.1 Beginning the conference from the idle state

The served user can request the CONF supplementary service. The number of parties required in the conference can be indicated in the request.

If the number of parties is not indicated, a maximum value allowed by the network shall be used.

A successful request for the CONF supplementary service shall result in the network reserving conference resources capable of serving the required number of parties.

6.2.3.2 Beginning the conference from an active call

As a network option, the following procedures can be used when a user already has a call on which the connection has been established.

The served user can request the CONF supplementary service, indicating in the request that an existing call shall be connected to the conference. The number of parties required in the conference can be indicated in the request.

If the number of parties is not indicated, the maximum value allowed by the network shall be used.

A successful request for the CONF supplementary service shall result in the network assigning conference resources capable of supporting the required number of parties. The other user in the call indicated in the request for the CONF supplementary service shall be connected to the conference.

If the call indicated in the request was not held by the served user, then the served user shall be connected to the conference. If the call indicated in the request was held by the served user, then the conference shall be held by the served user.

The conferee shall be notified that their call has been added to the conference (see subclause 6.2.3.5).