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SERIES Q: SWITCHING AND SIGNALLING

Specifications of signalling related to Bearer Independent
Call Control (BICC)

**Bearer Independent Call Control protocol
(Capability Set 2): Generic signalling
procedures for the support of the ISDN user
part supplementary services and for bearer
redirection**

ITU-T Recommendation Q.1902.6

(Formerly CCITT Recommendation)

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

ITU-T Recommendation Q.1902.6

Bearer Independent Call Control protocol (Capability Set 2): Generic signalling procedures for the support of the ISDN user part supplementary services and for bearer redirection

Summary

This Recommendation specifies the generic signalling procedures and support of the Signalling System No. 7 ISDN User Part (ISUP) supplementary services by the Bearer Independent Call Control (BICC) protocol. The details for the support of the ISUP supplementary services by BICC are described as delta documentation against the ITU-T Q.73x-series Recommendations. In addition, BICC CS-2 procedures for bearer redirection are introduced to optimize the bearer path.

Source

ITU-T Recommendation Q.1902.6 was prepared by ITU-T Study Group 11 (2001-2004) and approved under the WTSA Resolution 1 procedure on 2 July 2001.

FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

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

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ITU-T Recommendation Q.1902.6

Bearer Independent Call Control protocol (Capability Set 2): Generic signalling procedures for the support of the ISDN user part supplementary services and for bearer redirection

1 Scope

This Recommendation specifies details about the procedures for the generic signalling procedures and support of the Signalling System No. 7 ISDN User Part (ISUP) supplementary services by the Bearer Independent Call Control (BICC) protocol.

For the generic signalling procedures, services and functions supported by the BICC protocol (as listed in Table 2/Q.1902.1 [4]) and already supported by the ISUP protocol, the BICC protocol is fully transparent, i.e. the BICC protocol is fully compatible with the ISUP protocol. These generic signalling procedures, services and functions as supported by the ISUP protocol are specified in the ITU-T Q.73x-series Recommendations [1].

The details for the support of the ISUP supplementary services by the BICC protocol are described as delta documentation against the ITU-T Q.73x-series Recommendations. [1]. All references in the ITU-T Q.73x-series to the basic call procedures in ITU-T Q.761-Q.764 [2] and Q.767 [3] shall be read as references to the equivalent procedures of the BICC protocol in ITU-T Q.1902.x-family [4].

In addition, BICC CS-2 procedures for bearer redirection are introduced to optimize the bearer path. These procedures are described in clause 6.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

- [1] ITU-T Q.73x-series (2000), *ISDN User Part supplementary services generic procedures and clauses with procedures for the individual supplementary services*.
- [2] ITU-T Q.761 to Q.764 (2000), *Specifications of Signalling System No. 7 ISDN User Part (ISUP)*.
- [3] ITU-T Q.767 (1991), *Application of the ISDN User Part of CCITT Signalling System No. 7 for international ISDN interconnections*.
- [4] ITU-T Q.1902.1 to Q.1902.4 (2001), *Specifications of the Bearer Independent Call Control Protocol (BICC)*.
- [5] ITU-T Q.2150.0 (2001), *Generic Signalling Transport Service*.
- [6] ITU-T Q.2150.1 (2001), *Signalling Transport Convertor on MTP3 and MTP3b*.
- [7] ITU-T Q.765.5 (2000) and its Amendment (2001) for BICC CS-2, *Application Transport Mechanism: Bearer Independent Call Control (BICC)*.