



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.2769.1

(06/2000)

SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for the
network signalling

**Support of number portability information
across B-ISUP**

ITU-T Recommendation Q.2769.1

(Formerly CCITT Recommendation)

AVA Documents
Document Sharing Hub

ITU-T Q-SERIES RECOMMENDATIONS
SWITCHING AND SIGNALLING

SIGNALLING IN THE INTERNATIONAL MANUAL SERVICE	Q.1–Q.3
INTERNATIONAL AUTOMATIC AND SEMI-AUTOMATIC WORKING	Q.4–Q.59
FUNCTIONS AND INFORMATION FLOWS FOR SERVICES IN THE ISDN	Q.60–Q.99
CLAUSES APPLICABLE TO ITU-T STANDARD SYSTEMS	Q.100–Q.119
SPECIFICATIONS OF SIGNALLING SYSTEMS No. 4 AND No. 5	Q.120–Q.249
SPECIFICATIONS OF SIGNALLING SYSTEM No. 6	Q.250–Q.309
SPECIFICATIONS OF SIGNALLING SYSTEM R1	Q.310–Q.399
SPECIFICATIONS OF SIGNALLING SYSTEM R2	Q.400–Q.499
DIGITAL EXCHANGES	Q.500–Q.599
INTERWORKING OF SIGNALLING SYSTEMS	Q.600–Q.699
SPECIFICATIONS OF SIGNALLING SYSTEM No. 7	Q.700–Q.799
Q3 INTERFACE	Q.800–Q.849
DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 1	Q.850–Q.999
PUBLIC LAND MOBILE NETWORK	Q.1000–Q.1099
INTERWORKING WITH SATELLITE MOBILE SYSTEMS	Q.1100–Q.1199
INTELLIGENT NETWORK	Q.1200–Q.1699
SIGNALLING REQUIREMENTS AND PROTOCOLS FOR IMT-2000	Q.1700–Q.1799
BROADBAND ISDN	Q.2000–Q.2999
General aspects	Q.2000–Q.2099
Signalling ATM adaptation layer (SAAL)	Q.2100–Q.2199
Signalling network protocols	Q.2200–Q.2299
Common aspects of B-ISDN application protocols for access signalling and network signalling and interworking	Q.2600–Q.2699
B-ISDN application protocols for the network signalling	Q.2700–Q.2899
B-ISDN application protocols for access signalling	Q.2900–Q.2999

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

Support of number portability information across B-ISUP

Summary

This Recommendation provides support for transport of number portability related information across B-ISUP as a transit network.

Source

ITU-T Recommendation Q.2769.1 was prepared by ITU-T Study Group 11 (1997-2000) and approved under the WTSC Resolution 1 procedure on 15 June 2000.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. 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 turn, produce Recommendations on these topics.

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

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

© ITU 2001

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 ITU.

CONTENTS

	Page
1 Scope	1
2 References	1
3 Definitions	2
4 Abbreviations	2
5 B-ISUP messages and parameters	2
5.1 Messages.....	2
5.2 Parameters	3
5.2.1 Formats and coding	3
6 Application process procedures.....	7
7 Application service elements and primitives.....	7
7.1 Primitives between SACF and application process.....	7
7.1.1 Set_Up request/indication primitive.....	7
7.1.2 Subsequent_Directory_Number request/indication primitive.....	7
7.2 Outgoing Messages	8
7.3 Incoming Messages	8
7.4 Primitives between CC ASE and SACF.....	9
7.4.1 Call_Set_Up request/indication primitive.....	9
7.4.2 Call_Subsequent_Directory_Number request/indication primitive.....	9
7.5 Outgoing CC ASE	9
7.6 Incoming CC ASE.....	9
8 Instruction indicators and interworking.....	10
8.1 Interworking with nodes not supporting this feature.....	10
8.2 Interworking with DSS2.....	10
8.3 Interworking with narrow-band ISUP	10
8.3.1 Mapping of initial address message	10
8.3.2 Mapping of the subsequent directory number message (national use)	11
Appendix I – Setting of instruction indicators.....	11

ITU-T Recommendation Q.2769.1

Support of number portability information across B-ISUP

1 Scope

This Recommendation provides support for transport of number portability related information across B-ISUP as a transit network for the following scenarios:

- separate directory number addressing method;
- concatenated addressing method; and
- separate network routing number addressing method.

This Recommendation contains the additional message and parameter coding and interworking mapping tables for the support of transport of number portability related information.

NOTE – In B-ISUP the same addressing methods as in N-ISUP shall be used.

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; all 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.2761 (1999), *Functional description of the B-ISDN User Part of Signalling System No. 7.*
- [2] ITU-T Q.2762 (1999), *General Functions of messages and signals of the B-ISDN User Part (B-ISUP) of Signalling System No. 7.*
- [3] ITU-T Q.2763 (1999), *Signalling System No. 7 B-ISDN User Part (B-ISUP) – Formats and codes.*
- [4] ITU-T Q.2764 (1999), *Signalling System No. 7 B-ISDN User Part (B-ISUP) – Basic call procedures.*
- [5] ITU-T Q.2660 (1999), *Interworking between signalling system No. 7 broadband ISDN User Part (B-ISUP) and narrow-band ISDN User Part (N-ISUP).*
- [6] ITU-T Q.761 (1999), *Signalling System No. 7 – ISDN User Part functional description.*
- [7] ITU-T Q.762 (1999), *Signalling System No. 7 – ISDN User Part general function of messages and signals.*
- [8] ITU-T Q.763 (1999), *Signalling System No. 7 – ISDN User Part formats and codes.*
- [9] ITU-T Q.764 (1999), *Signalling System No. 7 – ISDN user part signalling procedures.*
- [10] ITU-T Q.769.1 (1999), *Signalling System No. 7 – ISDN user part enhancements for the support of the number portability.*