



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.2959

(07/96)

SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for
access signalling

Digital subscriber signalling system No. 2 – Call priority

ITU-T Recommendation Q.2959

(Previously CCITT Recommendation)

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
SPECIFICATION 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.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.1999
BROADBAND ISDN	Q.2000–Q.2999
General aspects	Q.2000–Q.2099
ATM adaptation layer	Q.2100–Q.2199
Signalling network protocols	Q.2200–Q.2599
Common aspects of B-ISDN application protocols for access signalling and network signalling and interworking	Q.2600–Q.2699
B-ISDN application protocols of the network	Q.2700–Q.2899
B-ISDN application protocols for access signalling	Q.2900–Q.2999

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

ITU-T RECOMMENDATION Q.2959**DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 – CALL PRIORITY****Summary**

This Recommendation defines the operation of the Digital Subscriber Signalling System No. 2 (DSS 2) for the handling of Call priority that may be provided, as a service provider option, for Basic call and connection control at the T_B or at the coincident S_B and T_B reference point of the User-Network Interface of the Broadband-Integrated Services Digital Network (B-ISDN). The call priority capability defined in this Recommendation allows for preferential treatment of high priority calls during network congestions, based on the priority level allocated to the call.

Source

ITU-T Recommendation Q.2959 was prepared by ITU-T Study Group 11 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 9th of July 1996.

FOREWORD

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

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 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

The ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. The 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, the ITU had/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 1997

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.

CONTENTS

	Page
1 Scope	1
2 References	1
3 Definitions	2
4 Abbreviations	2
5 Description	2
5.1 Application to interface structure	2
5.2 Capabilities supported by this Recommendation	2
5.3 General overview.....	2
6 Operational requirements	3
6.1 Provision and withdrawal	3
6.2 Requirements on the originating network side.....	3
6.3 Requirements on the destination network side.....	3
7 Primitive definitions and state definitions.....	3
7.1 Primitive definitions	3
7.2 State definitions.....	3
8 Coding requirements	3
8.1 Messages.....	3
8.1.1 Modification of messages in Recommendation Q.2931	3
8.2 Information elements.....	4
8.2.1 Priority information element	4
9 Signalling procedures at the coincident S _B and T _B reference points.....	5
9.1 Procedure at originating UNI	5
9.2 Procedure at destination UNI	5
10 Procedures at the T _B reference point for interworking with private B-ISDNs	5
11 Interworking with other networks	6
11.1 Interworking with CS-1 networks	6
11.2 Interworking with DSS 1	6
11.3 Interworking with networks that do not support Call Priority Handling.....	6
12 Interaction with supplementary services	6
13 Parameter values.....	6
14 Dynamic description (SDLs).....	7