



INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

## Q.953

(10/95)

### DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 1

---

### INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – STAGE 3 DESCRIPTION FOR CALL COMPLETION SUPPLEMENTARY SERVICES USING DSS 1

### Clause 4 – Terminal Portability (TP)

### ITU-T Recommendation Q.953

(Previously “CCITT Recommendation”)

---

## FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (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 (Helsinki, March 1-12, 1993).

ITU-T Recommendation Q.953, clause 4, was prepared by ITU-T Study Group 11 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 17th of October 1995.

---

## NOTE

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

© ITU 1996

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

|                                                                          | <i>Page</i> |
|--------------------------------------------------------------------------|-------------|
| 4 Terminal portability (TP) .....                                        | 1           |
| 4.1 Scope .....                                                          | 1           |
| 4.2 References.....                                                      | 1           |
| 4.3 Definitions .....                                                    | 2           |
| 4.4 Abbreviations.....                                                   | 3           |
| 4.5 Description.....                                                     | 3           |
| 4.6 Operational requirements.....                                        | 3           |
| 4.6.1 Provision/withdrawal .....                                         | 3           |
| 4.6.2 Requirements on the originating network side.....                  | 3           |
| 4.6.3 Requirements on the destination network side.....                  | 3           |
| 4.7 Coding requirements.....                                             | 3           |
| 4.8 State definitions .....                                              | 3           |
| 4.9 Signalling procedures at the coincident S and T reference point..... | 3           |
| 4.9.1 Invocation and operation.....                                      | 3           |
| 4.10 Procedures for interworking with private ISDNs .....                | 3           |
| 4.11 Interaction with other networks .....                               | 4           |
| 4.11.1 Interactions with non-ISDNs .....                                 | 4           |
| 4.12 Interaction with other supplementary services .....                 | 4           |
| 4.12.1 Call Waiting .....                                                | 4           |
| 4.12.2 Explicit Call Transfer.....                                       | 4           |
| 4.12.3 Connected Line Identification Presentation .....                  | 4           |
| 4.12.4 Connected Line Identification Restriction .....                   | 4           |
| 4.12.5 Calling Line Identification Presentation .....                    | 4           |
| 4.12.6 Calling Line Identification Restriction.....                      | 4           |
| 4.12.7 Closed User Group.....                                            | 4           |
| 4.12.8 Conference Calling .....                                          | 4           |
| 4.12.9 Direct-Dialling-In .....                                          | 5           |
| 4.12.10 Call Diversion (Call Forwarding) services .....                  | 5           |
| 4.12.11 Line Hunting .....                                               | 5           |
| 4.12.12 Three-Party service .....                                        | 5           |
| 4.12.13 User-to-User Signalling .....                                    | 5           |
| 4.12.14 Multiple Subscriber Number.....                                  | 6           |
| 4.12.15 Call Hold.....                                                   | 6           |
| 4.12.16 Advice Of Charge .....                                           | 6           |
| 4.12.17 Sub-addressing .....                                             | 6           |
| 4.12.18 Terminal Portability .....                                       | 6           |
| 4.12.19 Completion of Calls to Busy Subscriber .....                     | 6           |
| 4.12.20 Malicious Call Identification.....                               | 6           |
| 4.12.21 Reverse Charging.....                                            | 6           |
| 4.12.22 Multi-level Precedence and Preemption .....                      | 7           |
| 4.12.23 Support of Private Numbering Plans .....                         | 7           |
| 4.12.24 International Telecommunication Charge Card .....                | 7           |
| 4.12.25 Global virtual network services .....                            | 7           |
| 4.13 Parameter values (timers) .....                                     | 7           |
| 4.14 Dynamic description (SDLs) .....                                    | 7           |
| Appendix I – Signalling flows.....                                       | 7           |

## SUMMARY

This Recommendation defines the operation of the Digital Subscriber Signalling System No. 1 (DSS 1) for the support of the Terminal Portability (TP) supplementary service at the T or the coincident S and T reference point of the User-to-Network Interface of the Integrated Services Digital Network (ISDN).

The Terminal Portability supplementary service allows the user to temporarily suspend an active call, and subsequently reactivate it from the same terminal equipment or from another one within the same user-network interface.

Copyright International Telecommunication Union