INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.1902.3

Amendment 2

(04/2004)

SERIES Q: SWITCHING AND SIGNALLING

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

Bearer Independent Call Control protocol (Capability Set 2) and Signalling System No. 7 ISDN User Part: Formats and codes

Amendment 2

ITU-T Recommendation Q.1902.3 (2001) – Amendment 2

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ITU-T Recommendation Q.1902.3

Bearer Independent Call Control protocol (Capability Set 2) and Signalling System No. 7 ISDN User Part: Formats and codes

Amendment 2

Summary

This Amendment 2 to the ISUP Specification Q.1902.3 (07/2001) contains three modifications:

1) The removal of an arrow to Figure 5.

2) Calling party's category (6.21); new code values for "mobile terminal located in the home PLMN" and "mobile terminal located in a visited PLMN".

3) Automatic re-routing parameter; new parameter (6.107).

NOTE – Previous amendments to this Recommendation still apply and need to be taken into account when applying this amendment.

Source

Amendment 2 to ITU-T Recommendation Q.1902.3 (2001) was approved on 13 April 2004 by ITU-T Study Group 11 (2001-2004) under the ITU-T Recommendation A.8 procedure.

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 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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had 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.

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Bearer Independent Call Control protocol (Capability Set 2) and Signalling System No. 7 ISDN User Part: Formats and codes

Amendment 2

1) Figure 5

Remove the line at the top of Figure 5 that points from right to left.

2) Table 2

Modify Table 2 as follows:

Table 2/Q.1902.3 – Parameter name codes

Parameter name	Reference (clause)	Code	Note
……			
User-to-user information	6.106	0010 0000	
Automatic re-routing	6.107	1001 0110	

……

3) New clause 6.107 Automatic re-routing parameter

Add new clause 6.107 as follows:

6.107 Automatic re-routing parameter

The format of the automatic re-routing parameter is shown in Figure 124.

	8	7	6	5	4	3	2	1
1	ext.	Re-routing inhibit indicator	Re-routing counter					
1a	ext. 1	Re-routing reason						

Figure 124/Q.1902.3 – Automatic re-routing parameter field

The following codes are used in the subfields of the automatic re-routing parameter field:

8 *Extension indicator (ext.)*

0 octet continues through the next octet (e.g., octet 1 to 1a)

1 last octet

7 *Re-routing inhibit indicator*

0 no indication

1 do not crankback

65 4321 *Re-routing counter*
00 0000 not used
00 0001 1st crankback attempt
00 0010 2nd crankback attempt
to
11 1111 63rd crankback attempt

765 4321 *Re-routing reason*
000 0000 unknown/not available
000 0001 trunk group data
000 0010 cause code
000 0011 routing data

000 0100 to 011 1111 } spare

100 0000 to 111 1111 } spare for national use

NOTE – Octet 1a is not present if the extension bit in octet 1 is set to 1.

4) Clause 6.21 Calling party's category

Modify clause 6.21 as follows:

The format of the calling party's category parameter field is shown in Figure 39.

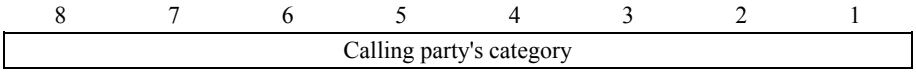

Figure 39/Q.1902.3 – Calling party's category parameter field

The following codes are used in the calling party's category parameter field.

0 0 0 0 0 0 0 0	calling party's category unknown at this time (national use)
0 0 0 0 0 0 0 1	operator, language French
0 0 0 0 0 0 1 0	operator, language English
0 0 0 0 0 0 1 1	operator, language German
0 0 0 0 0 1 0 0	operator, language Russian
0 0 0 0 0 1 0 1	operator, language Spanish
0 0 0 0 0 1 1 0	(available to Administrations for selection of a particular language by mutual agreement)
0 0 0 0 0 1 1 1	
0 0 0 0 1 0 0 0	

0 0 0 0 1 0 0 1 reserved (see ITU-T Q.104) (Note) (national use)
0 0 0 0 1 0 1 0 ordinary calling subscriber
0 0 0 0 1 0 1 1 calling subscriber with priority
0 0 0 0 1 1 0 0 data call (voiceband data)
0 0 0 0 1 1 0 1 test call
0 0 0 0 1 1 1 0 IEPS call marking for preferential call set up
0 0 0 0 1 1 1 1 Payphone
0 0 0 1 0 0 0 0 mobile terminal located in the home PLMN
0 0 0 1 0 0 0 1 mobile terminal located in the visited PLMN
0 0 0 1 0 0 1 0 to 1 1 0 1 1 1 1 1 Spare
1 1 1 0 0 0 0 0 to 1 1 1 1 1 1 1 0 reserved for national use
1 1 1 1 1 1 1 1 Spare

NOTE – In national networks, code 00001001 may be used to indicate that the calling party is a national operator.

5) Tables 38 and 43

Modify Tables 38 and 43 as follows:

Table 38/Q.1902.3

Message Type: Initial Address			
Parameter	**Reference (clause)**	**Type**	**Length (octets)**
Message type	5.4	F	1
Nature of connection indicators	6.61	F	1
Forward call indicators	6.43	F	2
Calling party's category	6.21	F	1
Transmission medium requirement	6.97	F	1
Called party number (Note 2)	6.17	V	4-?
Access transport	6.3	O	3-?
Application transport (Note 3)	6.4	O	5-?
Automatic re-routing	6.107	O	4-?
Call diversion treatment indicators	6.9	O	3-?
……..			

Table 43/Q.1902.3

Message Type: Release			
Parameter	**Reference (clause)**	**Type**	**Length (octets)**
Message type	5.4	F	1
Cause indicators	6.23	V	3-?
Access delivery information	6.2	O	3
Access transport	6.3	O	3-?
Automatic congestion level	6.5	O	3-?
Automatic re-routing	6.107	O	4-?
Display information	6.38	O	3-?
……..			

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