INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.763

Amendment 3
(04/2004)

SERIES Q: SWITCHING AND SIGNALLING

Specifications of Signalling System No. 7 – ISDN user part

Signalling System No. 7 – ISDN user part formats and codes

Amendment 3

ITU-T Recommendation Q.763 (1999) – Amendment 3

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ITU-T Recommendation Q.763

Signalling System No. 7 – ISDN user part formats and codes

Amendment 3

Summary

This Amendment 3 to the ISUP Specification Q.763 (12/1999) contains two modifications:

1) Calling party's category (3.11); new code values for "mobile terminal located in the home PLMN" and "mobile terminal located in a visited PLMN";

2) Automatic re-routing parameter; new parameter (3.102).

NOTE – Previous amendments to ITU-T Rec. Q.763 (12/1999) still apply and need to be taken into account when applying this amendment.

Source

Amendment 3 to ITU-T Recommendation Q.763 (1999) 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.

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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.

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1) Clause 3.11 – Calling party's category

Modify clause 3.11 as follows in order to introduce the following two new code values for "mobile terminal located in the home PLMN" and "mobile terminal located in a visited PLMN":

3.11 Calling party's category

The format of the calling party's category parameter field is shown in Figure 12.

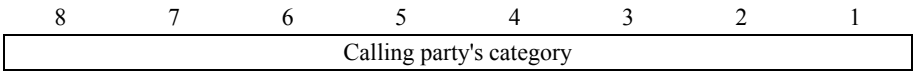

Figure 12/Q.763 – Calling party's category parameter field

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 0 0 0 0 0 1 1 1 0 0 0 0 1 0 0 0	(available to Administrations for selection of a particular language by mutual agreement)
0 0 0 0 1 0 0 1	reserved (see ITU-T Rec. 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	~~spare~~ mobile terminal located in the home PLMN
0 0 0 1 0 0 0 1	~~spare~~ mobile terminal located in a visited PLMN
0 0 0 1 0 0 1 0 ~~0 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.

2) Table 5

Modify Table 5 in order to introduce the following new automatic re-routing parameter (3.102) alphabetically:

3.1 Parameter names

The parameter name codes are given in Table 5 together with references to the subclauses in which they are described.

Table 5/Q.763

Parameter name	Reference (subclause)	Code
Access delivery information	3.2	0 0 1 0 1 1 1 0
Access transport	3.3	0 0 0 0 0 0 1 1
Application transport	3.82	0 1 1 1 1 0 0 0
Automatic congestion level	3.4	0 0 1 0 0 1 1 1
Automatic re-routing	3.102	1 0 0 1 0 1 1 0
Backward call indicators	3.5	0 0 0 1 0 0 0 1
Backward GVNS	3.62	0 1 0 0 1 1 0 1
Call diversion information	3.6	0 0 1 1 0 1 1 0
Call diversion treatment indicators	3.72	0 1 1 0 1 1 1 0
Call history information	3.7	0 0 1 0 1 1 0 1
Call offering treatment indicators	3.74	0 1 1 1 0 0 0 0
Call reference (national use)	3.8	0 0 0 0 0 0 0 1

...

3) New clause 3.102 – Automatic re-routing

Add new clause 3.102 as follows:

3.102 Automatic re-routing

The format of the automatic re-routing parameter field is shown in Figure 95:

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

Figure 95/Q.763 – 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) Tables 32 and 33

Add new automatic re-routing parameter as follows:

Table 32/Q.763

Message Type: Initial address

Parameter	Reference (subclause)	Type	Length (octets)
Message type	2.1	F	1
Nature of connection indicators	3.35	F	1
Forward call indicators	3.23	F	2
Calling party's category	3.11	F	1
Transmission medium requirement	3.54	F	1
Called party number (Note 2)	3.9	V	4-?
Transit network selection (national use)	3.53	O	4-?
Call reference (national use)	3.8	O	7
…			
QoR capability (network option)	3.91	O	3
Pivot counter	3.93	O	3

Table 32/Q.763

Message Type: Initial address

Parameter	Reference (subclause)	Type	Length (octets)
Pivot routing forward information	3.94	O	3-?
Redirect capability (national use)	3.96	O	3
Redirect counter (national use)	3.97	O	3
Redirect status	3.98	O	3
Redirect forward information (national use)	3.99	O	3-?
Number portability forward information (network option)	3.101	O	1-?
Automatic re-routing	3.102	O	4-?
End of optional parameters	3.20	O	1
NOTE 1 – This parameter may be repeated. NOTE 2 – Peer-to-peer interworking with a pre-1997 version of ISUP may result in format errors and lead to the release of the call. NOTE 3 – The message may contain one or more application transport parameters referring to different application context identifiers.			

Table 33/Q.763

Message Type: Release

Parameter	Reference (subclause)	Type	Length (octets)
Message type	2.1	F	1
Cause indicators	3.12	V	3-?
Redirection information (national use)	3.45	O	3-4
Redirection number (national use) (Note)	3.46	O	5-?
Access transport	3.3	O	3-?
Signalling point code (national use)	3.50	O	4
User-to-user information	3.61	O	3-131
Automatic congestion level	3.4	O	3
Network specific facility (national use)	3.36	O	4-?
Access delivery information	3.2	O	3
Parameter compatibility information	3.41	O	4-?
User-to-user indicators	3.60	O	3
Display information	3.77	O	3-?
Remote operations (national use)	3.48	O	8-?
HTR information	3.89	O	4-?
Redirect counter (national use)	3.97	O	3
Redirect backward information (national use)	3.100	O	3-?

Table 33/Q.763

Message Type: Release

Parameter	Reference (subclause)	Type	Length (octets)
Automatic re-routing	3.102	O	4-?
End of optional parameters	3.20	O	1
NOTE – Peer-to-peer interworking with a pre-1997 version of ISUP may result in format errors and lead to the release of the call.			

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