

I n t e r n a t i o n a l T e l e c o m m u n i c a t i o n U n i o n

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Q.1902.3**

**Amendment 3**

(01/2006)

SERIES Q: SWITCHING AND SIGNALLING

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

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

**Amendment 3: Support for the International  
Emergency Preference Scheme**

ITU-T Recommendation Q.1902.3 (2001) –  
Amendment 3



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

## **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 3**

#### **Support for the International Emergency Preference Scheme**

##### **Summary**

This amendment was produced to meet the need for the implementation of the International Emergency Preference Scheme (IEPS) for disaster recovery operations as specified in ITU-T Rec. E.106. It contains the modifications to ITU-T Rec. Q.1902.3 (2001) in order to accommodate these needs. This amendment should be read in conjunction with Amendment 2 to ITU-T Rec. Q.1902.1, Amendment 3 to ITU-T Rec. Q.1902.2, and Amendment 3 to ITU-T Rec. Q.1902.4. This amendment incorporates Amendment 1 to ITU-T Rec. Q.1902.3 and provides enhancements.

##### **Source**

Amendment 3 to ITU-T Recommendation Q.1902.3 (2001) was approved on 27 January 2006 by ITU-T Study Group 11 (2005-2008) under the WTSA Resolution 1 procedure.

## FOREWORD

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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.

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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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# 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 3

#### Support for the International Emergency Preference Scheme

##### 1) Clause 4 – Abbreviations

Add the following new abbreviation alphabetically:

IEPS International Emergency Preference Scheme

##### 2) Clause 6.21 – Calling party's category

Change the following in Figure 39, which had been a spare value:

0 0 0 0 1 1 1 0 IEPS call marking for preferential call set-up

##### 3) Table 2

Modify Table 2 in order to introduce the following new IEPS call information parameter (6.108) after "automatic re-routing":

Table 2/Q.1902.3 – Parameter name codes

Parameter name	Reference (clause)	Code	Note
IEPS call information	6.108	1010 0110	

##### 4) New clause 6.108 – IEPS call information

Add new clause 6.108 as follows:

##### 6.108 IEPS call information

The format of the IEPS call information parameter field is shown in Figure 125a.

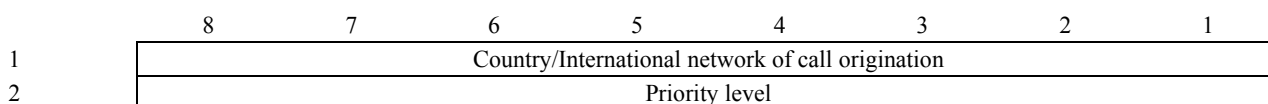


Figure 125a/Q.1902.3 – IEPS call information parameter field

The following codes are used in the subfields of the IEPS call information parameter field:

a) Country/international network of call origination

	8	7	6	5	4	3	2	1
1	O/E	Spare	Numbering plan indicator			Length of country/international network of call origination		
1a	2nd digit				1st digit			
1b								
1m	Filler (if necessary)				Nth digit			

**Figure 125b/Q.1902.3 – Country/international network of call origination subfield**

1) *Odd/even indicator (O/E): as 6.17a) of Q.1902.3.*

2) *Numbering plan indicator*

000 spare

001 numbering plan according to ITU-T Rec. X.121

010 numbering plan according to ITU-T Rec. E.164

3) *Length of country/international network of call origination*

Number of octets to follow that contain the digits identifying the country or international network of call origination.

4) *Digits*

Digit string of flexible length in BCD encoding identifying either the country or international network of call origination. To identify a specific country of call origination, the digit string will consist of the X.121 country code (3 digits). To identify an international network of call origination, the digit string will consist of an E.164 country code for international networks (3 digits) followed by an identification code (1 to 4 digits) to identify the international network.

5) *Filler*

In case of an odd number of digits, the filler code 0000 is inserted after the last digit.

b) Priority level

	8	7	6	5	4	3	2	1
2	Spare				Priority level			

**Figure 125c/Q.1902.3 – Priority level subfield**

This subfield carries national priority level of an IEPS call according to bilateral agreements. The priority level is signalled in inverse order of the numerical value. i.e., the lower the numerical value is, the higher the priority. For example, numerical value 0 indicates the highest priority possible.



5) **Table 38**

*Add new IEPS call information parameter between "Hop counter" and "IN service compatibility":*

**Table 38/Q.1902.3**

<b>Message Type: Initial address</b>			
<b>Parameter</b>	<b>Reference (clause)</b>	<b>Type</b>	<b>Length (octets)</b>
IEPS call information	6.108	O	6-8





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