



INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

# Q.763

## Addendum 1

(05/98)

SERIES Q: SWITCHING AND SIGNALLING

Specifications of Signalling System No. 7 – ISDN user part

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

**Addendum 1**

ITU-T Recommendation Q.763 – Addendum 1

(Previously CCITT Recommendation)

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# **ITU-T RECOMMENDATION Q.763**

## **SIGNALLING SYSTEM No. 7 – ISDN USER PART FORMATS AND CODES**

### **ADDENDUM 1**

#### **Summary**

Publication of this addendum is a result of the approval process of Recommendations Q.765 (05/98) and Q.765.1 (05/98).

#### **Source**

Addendum 1 to ITU-T Recommendation Q.763 was prepared by ITU-T Study Group 11 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 15<sup>th</sup> of May 1998.

## FOREWORD

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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.

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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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## Recommendation Q.763

### SIGNALLING SYSTEM No. 7 – ISDN USER PART FORMATS AND CODES

#### ADDENDUM 1

(Geneva, 1998)

NOTE – The definition of values 'xx' is for further study.

#### 1) PRI – Additions

##### Pre-release Information Message (PRI)

- In Table 4/Q.763 under subclause 1.3/Q.763 "Message type code", insert the following row:

Pre-release information	xx	0100 0010
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- In clause 4/Q.763 "ISDN user part messages and codes", add the following table:

**Table xx/Q.763 – Message Type: Pre-release information**

Parameter	Reference (subclause)	Type	Length (octets)
Message type	2.1	F	1
Optional forward call indicators (Note)	3.38	O	3
Optional backward call indicators (Note)	3.37	O	3
Parameter compatibility information	3.41	O	4-?
Message compatibility information	3.33	O	3-?
Application transport (new parameters as required)	3.xx	O	5-?
End of optional parameters	3.20	O	1
NOTE – These parameters are required to allow the message to be segmented using the ISUP Simple Segmentation mechanism. They should be mutually exclusive.			

#### 2) APM – Additions

##### Application Transport Message (APM)

- In Table 4/Q.763 under subclause 1.3/Q.763 "Message type code", insert the following row:

Application transport	xx	0100 0001
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- In clause 4/Q.763 "ISDN user part messages and codes"; add the following table:

**Table xx/Q.763 – Message Type: Application transport**

Parameter	Reference (subclause)	Type	Length (octets)
Message type	2.1	F	1
Message compatibility information	3.33	O	3-?
Parameter compatibility information	3.41	O	4-?
Application Transport	3.xx	O	5-?
End of optional parameters	3.20	O	1

### Application Transport Parameter (APP)

- In Table 5/Q.763 under subclause 3.1/Q.763 "Parameter names", insert the following row:

Application transport	3.xx	0111 1000
-----------------------	------	-----------

- Add the following new suclause to define the new parameter:

### 3.xx Application Transport Parameter (APP)

	8	7	6	5	4	3	2	1
1	ext.	Application Context Identifier						
2	ext.	Spare					ATII	
							B	A
3	ext.	SI	APM segmentation indicator					
3a	ext.	SLR						
4a	Encapsulated Application Information							
.								
.								
4n								

**Figure xx/Q.763 – Application transport parameter**

#### a) Extension indicators

- 0 further octet exists  
1 last octet

NOTE – Extensions to Octet 1 are for the expansion of the Application Context Identifier value range.

#### b) Application Context Identifier (ACI) (Octet 1)

- 0 Unidentified Context and Error Handling (UCEH) ASE  
1 PSS1 ASE (VPN)  
2-63 Spare  
64-127 Reserved for non-standardized applications

NOTE – The compatibility mechanism as defined in Recommendation Q.764 is not applicable to this field.

c) *Application Transport Instruction Indicators (ATII) (Octet 2)*

bit A: Release call indicator

0 do not release call

1 release call

bit B: Send notification indicator

0 do not send notification

1 send notification

d) *APM segmentation indicator (Octet 3)*

0 final segment

1-9 indicates the number of following segments

10-255 spare

NOTE – The compatibility mechanism as defined in Recommendation Q.764 is not applicable to this field.

e) *Sequence indicator (SI) (Octet 3)*

0 Subsequent segment to first segment

1 New sequence

f) *Segmentation Local Reference (SLR) (Octet 3a)*

g) *Encapsulated Application Information*

Contains the application-specific information.

The format and coding of this field is dependent upon the APM-user application and defined in the appropriate Recommendation. For APM-user applications that wish to provide a service of transparent transport of information (e.g. the case where existing information elements are defined for the transport of certain information) as well as having the ability of passing additional network related information within the public network, then the following guideline is provided:

It is suggested that this field be structured such that the first octet (i.e. first octet of first segment for long APM-user information) is a pointer to information to be transported transparently. The pointer value (in binary) gives the number of octets between the pointer itself (included) and the first octet (not included) of transparent data. The pointer value all zeros is used to indicate that no transparent data is present. The range of octets between the pointer octet and the first octet of transparent data (to which the pointer octet points) contains the network-related information to be passed between applications residing within the public network. The format and coding of both the transparent information and the network-related information is application specific and defined in the appropriate Recommendation.

- In Tables 21/Q.763 (ACM), 22/Q.763 (ANM), 23/Q.763 (CPG), 27/Q.763 (CON) and 32/Q.763 (IAM) as well as in the new Table xx/Q.763 (PRI) and Table xx/Q.763 (APM), insert the following row:

Application transport	3.xx	O	5-?
-----------------------	------	---	-----

- and add the corresponding Note:

NOTE 3 – The message may contain one or more Application Transport parameters (APP) referring to different Application Context Identifiers.

### 3) Modifications to subclause 3.26/Q.763

- Modify subclause 3.26/Q.763 as follows (*Deleted text is struckthrough; new or changed text is double-underlined*):

#### 3.26 Generic number

...

The following codes are used in the generic number parameter field:

##### a) *Number qualifier indicator*

0000 0000	reserved (dialled digits) (national use)
0000 0001	additional called number (national use)
0000 0010	reserved (supplemental user provided calling number – failed network screening) (national use)
0000 0011	reserved (supplemental user provided calling number – not screened) (national use)
0000 0100	reserved (redirecting terminating number) (national use)
0000 0101	additional connected number
0000 0110	additional calling party number
0000 0111	reserved for additional original called number
0000 1000	reserved for additional redirecting number
0000 1001	reserved for additional redirection number
<del>0000 1010</del>	<del>reserved (used in 1992 version)</del>
<u>0000 1010</u>	} spare
to	
<u>0111 1111</u>	
<u>1000 0000</u>	} reserved for national use
to	
<u>1111 1110</u>	
1111 1111	reserved for expansion

##### b) *Odd/even indicator*: see 3.9 a)

##### c) *Nature of address indicator*

000 0000	spare
000 0001	subscriber number ( <u>national use</u> )
000 0010	unknown ( <u>national use</u> )
000 0011	national (significant) number
000 0100	international number



000 0101    PISN specific number (national use)

000 0110  
to  
110 1111 } spare

111 0000  
to  
111 1110 } reserved for national use

111 1111    spare

NOTE – For each supplementary service the relevant codes and possible default settings are described in the supplementary service Recommendations (Recommendation Q.73x).

d) *Number incomplete indicator*

0        number complete

1        number incomplete

e) *Numbering plan indicator*

000    ~~spare~~ unknown (national use)

001    ISDN (telephony) numbering plan (Recommendation E.164)

010    spare

011    data numbering plan (Recommendation X.121) (national use)

100    telex numbering plan (Recommendation F.69) (national use)

101    private numbering plan (national use)

110    reserved for national use

111    spare

NOTE – For supplementary service the relevant codes and possible default settings are described in the supplementary service Recommendations (Recommendation Q.73x).

f) *Address presentation restricted indicator*

00       presentation allowed

01       presentation restricted

10       address not available

11       spare

NOTE – For each supplementary service the relevant codes and possible default settings are described in the supplementary service Recommendations (Recommendation Q.73x). When the address presentation restricted indicator indicates address not available, the subfields in items b), c), d), and e) are coded with 0's, and the screening indicator is set to 11 (network provided).

g) *Screening indicator*

Only used if the number qualifier indicator is coded 0000 0101 (additional connected number) or 0000 0110 (additional calling party number) this indicator is coded as follows:

00       user provided, not verified

01       user provided, verified and passed

10       user provided, verified and failed

11       network provided

NOTE – For each supplementary service the relevant codes and possible default settings are described in the supplementary service Recommendations (Recommendation Q.73x).

h) *Address signal*

0000	digit 0
0001	digit 1
0010	digit 2
0011	digit 3
0100	digit 4
0101	digit 5
0110	digit 6
0111	digit 7
1000	digit 8
1001	digit 9
1010	} spare
to	
1111	

i) *Filler*: see 3.9 f)



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