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**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Q.2961.2**  
**Corrigendum 1**  
(03/99)

SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for  
access signalling

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Digital subscriber signalling system No. 2 –  
Additional traffic parameters: Support of ATM  
transfer capability in the broadband bearer  
capability information element

**Corrigendum 1**

ITU-T Recommendation Q.2961.2 – Corrigendum 1

(Previously CCITT Recommendation)

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ITU-T Q-SERIES RECOMMENDATIONS

**SWITCHING AND SIGNALLING**

SIGNALLING IN THE INTERNATIONAL MANUAL SERVICE	Q.1–Q.3
INTERNATIONAL AUTOMATIC AND SEMI-AUTOMATIC WORKING	Q.4–Q.59
FUNCTIONS AND INFORMATION FLOWS FOR SERVICES IN THE ISDN	Q.60–Q.99
CLAUSES APPLICABLE TO ITU-T STANDARD SYSTEMS	Q.100–Q.119
SPECIFICATIONS OF SIGNALLING SYSTEMS No. 4 AND No. 5	Q.120–Q.249
SPECIFICATIONS OF SIGNALLING SYSTEM No. 6	Q.250–Q.309
SPECIFICATIONS OF SIGNALLING SYSTEM R1	Q.310–Q.399
SPECIFICATIONS OF SIGNALLING SYSTEM R2	Q.400–Q.499
DIGITAL EXCHANGES	Q.500–Q.599
INTERWORKING OF SIGNALLING SYSTEMS	Q.600–Q.699
SPECIFICATIONS OF SIGNALLING SYSTEM No. 7	Q.700–Q.849
DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 1	Q.850–Q.999
PUBLIC LAND MOBILE NETWORK	Q.1000–Q.1099
INTERWORKING WITH SATELLITE MOBILE SYSTEMS	Q.1100–Q.1199
INTELLIGENT NETWORK	Q.1200–Q.1999
BROADBAND ISDN	Q.2000–Q.2999
General aspects	Q.2000–Q.2099
Signalling ATM adaptation layer (SAAL)	Q.2100–Q.2199
Signalling network protocols	Q.2200–Q.2299
Common aspects of B-ISDN application protocols for access signalling and network signalling and interworking	Q.2600–Q.2699
B-ISDN application protocols for the network signalling	Q.2700–Q.2899
<b>B-ISDN application protocols for access signalling</b>	<b>Q.2900–Q.2999</b>

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

## **ITU-T RECOMMENDATION Q.2961.2**

### **DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 – ADDITIONAL TRAFFIC PARAMETERS: SUPPORT OF ATM TRANSFER CAPABILITY IN THE BROADBAND BEARER CAPABILITY INFORMATION ELEMENT**

#### **CORRIGENDUM 1**

#### **Summary**

This corrigendum modifies the references in 2.2/Q.2961.2 by adding a reference to Recommendation Q.2961.6. Also Table A.1/Q.2961.2 is replaced by a new table, where:

- the terms "SBR2/SBR3" have been removed;
- Note 6 has been updated; and
- a new Note 14 has been added.

The existing implementations are not affected by these changes, however, existing and future implementations should use the terminology for ATM transfer capabilities described in the new Table A.1/Q.2961.2.

#### **Source**

Corrigendum 1 to ITU-T Recommendation Q.2961.2 was prepared by ITU-T Study Group 11 (1997-2000) and was approved on the 15th of March 1999.

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## **Recommendation Q.2961.2**

### **DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 2 – ADDITIONAL TRAFFIC PARAMETERS: SUPPORT OF ATM TRANSFER CAPABILITY IN THE BROADBAND BEARER CAPABILITY INFORMATION ELEMENT**

#### **CORRIGENDUM 1**

*(Geneva, 1999)*

#### **1) Subclause 2.2**

*Add the following reference:*

- [7] ITU-T Recommendation Q.2961.6 (1998), *Digital subscriber signalling system No. 2 – Additional traffic parameters: Additional signalling procedures for the support of the SBR2 and SBR3 ATM transfer capabilities.*

#### **2) Table A.1**

*Replace Table A.1 by the following table:*

**Table A.1/Q.2961.2 – Valid combinations of traffic-related parameters in the SETUP message (part 1 of 3)**

<i>Broadband bearer capability</i>												
Bearer class	A	A	A	C	C	C	C	C	C	C	C	X or FR
BTC (value) (Note 1)	absent	absent	7	absent	absent	absent	absent	11	19	9	9	absent, 0, 2, 8 or 10
<i>Traffic descriptor for a given direction</i>												
PCR (CLP = 0)		S			S							
PCR (CLP = 0 + 1)	S	S	S	S	S	S	S	S	S	S	S	S
{SCR, MBS} (CLP = 0)							S			S		
{SCR, MBS} (CLP = 0 + 1)						S		S	S		S	
Tagging (Note 13)	N	Y/N	N	N	Y/N	N	Y/N	N	N	Y/N	N	N
End-to-end timing required	Y	Y	Y	N	N	N	N	N	Y	Y	Y	N
<i>For the given direction:</i>												
Requested ATC [4]	Note 2	Note 2	DBR	Note 2	Notes 6 and 14	Note 7	Note 14	SBR1	SBR1	Note 14	Note 7	Note 2
Implicitly requested QoS when the QoS class is 0	Note 3	Note 3	Class 1	Note 5	Class 3	Note 5	Class 3	Class 2	Note 10	Note 8	Note 8	Note 5
<i>For the given direction:</i>												
I.371 [4] ATC that supports the requested ATC	DBR	DBR Note 4	DBR	DBR	Notes 6 and 14	SBR1	Note 14	SBR1	SBR1	Note 9	SBR1	DBR
I.356 [5] QoS class that supports the implicitly requested QoS	Class 1	Class 1	Class 1	Class 2	Class 3	Class 2	Class 3	Class 2	Class 1		Class 1	Class 2
	Note 11	Note 11	Note 12	Note 11	Note 11	Note 11	Note 11	Note 12	Note 12			Note 11

**Table A.1/Q.2961.2 – Valid combinations of traffic-related parameters in the SETUP message (part 2 of 3)**

<i>Broadband bearer capability</i>												
Bearer class	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR	X or FR
BTC (value) (Note 1)	absent, 0, 2, 8 or 10	absent, 0, 2, 8 or 10	absent, 0, 2, 8 or 10	7	11	19	4, 5 or 6	4, 5 or 6	1 or 9	1 or 9	1 or 9	1 or 9
<i>Traffic descriptor for a given direction</i>												
PCR (CLP = 0)	S							S		S		
PCR (CLP = 0 + 1)	S	S	S	S	S	S	S	S	S	S	S	S
{SCR, MBS} (CLP = 0)			S									S
{SCR, MBS} (CLP = 0 + 1)		S			S	S					S	
Tagging (Note 13)	Y/N	N	Y/N	N	N	N	N	Y/N	N	Y/N	N	Y/N
End-to-end timing required	N	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y
<i>For the given direction:</i>												
Requested ATC [4]	Notes 6 and 14	Note 7	Note 14	DBR	SBR1	SBR1	Note 2	Note 2	Note 2	Notes 6 and 14	Note 7	Note 14
Implicitly requested QoS when the QoS class is 0	Class 3	Note 5	Class 3	Class 1	Class 2	Note 10	Note 3	Note 3	Note 8	Note 8	Note 8	Note 8
<i>For the given direction:</i>												
I.371 [4] ATC that supports the requested ATC	Notes 6 and 14	SBR1	Note 14	DBR	SBR1	SBR1	DBR	DBR Note 4	DBR	Note 9	SBR1	Note 9
I.356 [5] QoS class that supports the implicitly requested QoS	Class 3	Class 2	Class 3	Class 1	Class 2	Class 1	Class 1	Class 1	Class 1		Class 1	
	Note 11	Note 11	Note 11	Note 12	Note 12	Note 12	Note 11	Note 11	Note 11	Note 11	Note 11	Note 11

**Table A.1/Q.2961.2 – Valid combinations of traffic-related parameters in the SETUP message (*part 3 of 3*)**

A Blank in the table means that the traffic parameter is not applicable for this combination.

PCR = Peak Cell Rate, SCR = Sustainable Cell Rate, MBS = Maximum Burst Size, S = Specified

For the Tagging row: Y = Yes, N = No or No indication, Y/N = either "Yes" or "No" or "No Indication".

NOTE 1 – BTC values 0, 1, 2, 4, 6, 8 are not used on transmission but shall be understood on reception.

NOTE 2 – The requested capability in this case is not defined in Recommendation I.371 [4] and differs from the DBR ATM transfer capability (see Recommendation I.371 [4]) only in that selective discardability of CLP = 1 cells may apply.

NOTE 3 – The implicitly requested QoS class in this case is not defined in Recommendation I.356 [5] and differs from QoS class 1 (see Recommendation I.356 [5]) in that the CLR commitment is only for CLP = 0 cells.

NOTE 4 – PCR (CLP = 0) is ignored and tagging is not performed.

NOTE 5 – The implicitly requested QoS class corresponds to QoS class 3 (see Recommendation I.356 [5]).

NOTE 6 – This is provided by setting SCR (CLP = 0) equal to specified PCR (CLP = 0) and MBS (CLP = 0) equal to 1.

NOTE 7 – The requested capability in this case is not defined in Recommendation I.371 [4] and differs from the SBR1 ATM transfer capability (see Recommendation I.371 [4]) only in that selective discardability of CLP = 1 cells may apply.

NOTE 8 – The implicitly requested QoS class in this case is not defined in Recommendation I.356 [5] and differs from QoS class 3 (see Recommendation I.356 [5]) in that end-to-end timing is required.

NOTE 9 – There is no combination recommended in Recommendation I.356 [5].

NOTE 10 – The implicitly requested QoS class in this case is not defined in Recommendation I.356 [5].

NOTE 11 – This combination is supported in order to promote backward compatibility with the first edition of Recommendation Q.2931 (1995) with Recommendations Q.2961.1 [3] and Q.2933 [6].

NOTE 12 – For this combination, the ATC and the QoS class is the same in both directions.

NOTE 13 – If tagging is not specified but requested by a user, or if tagging is specified for a combination but not supported by a network, the call shall proceed without tagging being applied.

NOTE 14 – The requested or provided capability in this case is not defined in Recommendation I.371 [4] and differs from the SBR2 ATM transfer capability as defined in Recommendation I.371 [4] and supported by the signalling procedures specified in Recommendation Q.2961.6 [7], in that tagging may be applied at the Usage Parameter Control function (UPC, as defined in Recommendation I.371 [4]) according to the procedures described in Recommendation Q.2961.1 [3]. This combination of parameters does not support the SBR3 ATM transfer capability as defined in Recommendation I.371 [4] and supported by the signalling capabilities and procedures specified in Recommendation Q.2961.6 [7].





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