INTERNATIONAL TELECOMMUNICATION UNION

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THE INTERNATIONAL
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CONSULTATIVE COMMITTEE

D.307 R

(11/1988)

SERIES D: GENERAL TARIFF PRINCIPLES – CHARGING AND ACCOUNTING IN INTERNATIONAL TELECOMMUNICATIONS SERVICES

RECOMMENDATIONS APPLYING IN EUROPE AND THE MEDITERRANEAN BASIN

REMUNERATION OF DIGITAL SYSTEMS AND CHANNELS USED IN TELECOMMUNICATION RELATIONS BETWEEN THE COUNTRIES OF EUROPE AND THE MEDITERRANEAN BASIN

Reedition of CCITT Recommendation D.307 R published in the Blue Book, Fascicle II.1 (1988)

NOTES

1 CCITT Recommendation D.307 R was published in Fascicle II.1 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2 In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation D.307 R

REMUNERATION OF DIGITAL SYSTEMS AND CHANNELS USED IN TELECOMMUNICATION RELATIONS BETWEEN THE COUNTRIES OF EUROPE AND THE MEDITERRANEAN BASIN[1)]

(Melbourne, 1988)

The CCITT,

considering

(a) that increasing use is being made of digital systems and channels in land and submarine transmission media, either to make international private telecommunication circuits available to clients, or to extend established digital systems by transoceanic fibre-optic cables or by satellite;

(b) that basic financial data relating to digital transmission and switching media are needed in order to solve the tariff problems of digital telecommunication services and particularly those of the integrated services digital network (ISDN);

(c) the result of the cost study carried out by the TEUREM Group on international digital systems and channels used in telecommunication relations between countries in Europe and the Mediterranean Basin (see Annex A);

recommends

– that, in order to promote digital telecommunication services, Administrations should consider the flat-rate remunerations quoted in Annex A as maximum reference values;

– that, under the above circumstances, in the absence of special agreements between Administrations, the following flat-rate remuneration should be applied:

Transmission facilities ("line" part)

Table 1/D.307R gives the remuneration per year and per 100 km crowflight distance for the component B (see Annex A).

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1) The Administrations of the Netherlands and the United Kingdom express their reservation with regard to this Recommendation.

Both Administrations oppose higher accounting rates for digital transmission facilities as compared to equivalent analogue facilities as such a practice conflicts with the principle that accounting rates for equivalent facilities are not related to the transmission medium used.

In their view, higher accounting rates for digital transmission facilities could have an adverse impact on the development of a full international digital telecommunication network which would be to the detriment of users and Administrations.

TABLE 1/D.307 R

System	Component B per year and per 100 km crowflight distance	
	SDR	G. Fr.
As from 1 January 1989		
565 Mbit/s systems	1 090 920	3 339 306
140 Mbit/s systems	336 367	1 029 620
34 Mbit/s systems	109 092	333 931
8 Mbit/s systems	36 364	111 310
2 Mbit/s systems	12 000	36 732
64 kbit/s channels	600	1 837
As from 1 January 1990		
565 Mbit/s systems	1 000 080	3 061 245
140 Mbit/s systems	308 358	943 884
34 Mbit/s systems	100 008	306 124
8 Mbit/s systems	33 336	102 041
2 Mbit/s systems	11 000	33 671
64 kbit/s channels	550	1 684
As from 1 January 1991		
565 Mbit/s systems	909 120	2 782 816
140 Mbit/s systems	280 312	858 035
34 Mbit/s systems	90 912	278 282
8 Mbit/s systems	30 304	92 761
2 Mbit/s systems	10 000	30 610
64 kbit/s channels	500	1 531

ANNEX A

(to Recommendation D.307 R)

Results of the cost study on international digital systems and channels

A.1 *Transmission facilities ("line" part)* (see Table A-1/D.307 R)

TABLE A-1/D.307 R

System	Yearly remuneration			
	Component A [a] per equipment		Component B [b] per 100 km crowflight distance	
	SDR	G. Fr.	SDR	G. Fr.
565 Mbit/s systems	20 000	61 220	1 200 000	3 673 200
140 Mbit/s systems	14 000	42 854	370 000	1 132 570
34 Mbit/s systems	5 400	16 529	120 000	367 320
8 Mbit/s systems	2 200	6 734	40 000	122 440
2 Mbit/s systems	1 000	3 061	13 200	40 405
64 kbit/s channels	210	643	660	2 020

a) Component "A" comprises line terminal equipment and multiplex equipment, including the proportion of this equipment used in higher hierarchical systems.

b) Remuneration of Component "B" takes into account consideration of the average costs dependent on distance in a network composed of various transmission facilities (coaxial or fibre-optic land and submarine cables, radio relay systems). It includes the cost of intermediate repeaters and transfer equipment in the transition from one digital system to another.

A.2 *Switching* (see Table A-2/D.307 R)

TABLE A-2/D.307 R

System	Yearly remuneration [a]	
	SDR	G. Fr.
2 Mbit/s link	6 300	19 284
64 kbit/s channel	300	918

a) Remuneration refers only to automatic operation and includes the proportion of the signalling equipment used (Signalling System No. 7).

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