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D.140
Supplement 2
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SERIES D: GENERAL TARIFF PRINCIPLES

General tariff principles – Charging and accounting in
the international telephone service

Accounting rate principles for the international
telephone service

**Supplement 2: Updated teledensities and
indicative target settlement rates
(1 January 2003)**

ITU-T Recommendation D.140 – Supplement 2

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ITU-T Recommendation D.140

Accounting rate principles for the international telephone service

Supplement 2

Updated teledensities and indicative target settlement rates (1 January 2003)

Source

Supplement 2 to ITU-T Recommendation D.140 was prepared by ITU-T Study Group 3 (2001-2004) and approved under ITU-T Recommendation A.13 (10/2000) procedure on 20 June 2003.

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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ITU-T Recommendation D.140

Accounting rate principles for the international telephone service

Supplement 2

Updated teledensities and indicative target settlement rates (1 January 2003)

1 Introduction

ITU-T Study Group 3 had continued its study on the issue of accounting rate reform through the previous study period and succeeded in compiling Annex E to ITU-T Rec. D.140, which provided guidelines for bilateral negotiations of transitional arrangements towards cost orientation. Furthermore, WTSA instructs Study Group 3 to "publish updated indicative target rates calculated on the basis of the latest data as a supplement to ITU-T Rec. D.140" on the consideration that "the indicative target rates in Annex E to ITU-T Rec. D.140 were calculated using 1998 data".

Pursuant to this instruction, Study Group 3, at its meeting in December 2001, decided to publish updated indicative target rates calculated on the basis of the latest data annually.

2 Updated table of countries/territories according to their teledensity

The updated table of countries/territories according to their teledensity, as of 1 January 2003 is available in Appendix I.

3 Updated indicative target rates

Updated indicative target rates calculated on the basis of the year 2003 data is as follows:

Teledensity	$T \leq 1$	$1 < T \leq 5$	$5 < T \leq 10$	$10 < T \leq 20$	$20 < T \leq 35$	$35 < T \leq 50$	$T > 50$
Indicative target rates (in SDR)	0.084	0.068	0.112	0.085	0.075	0.028	0.021

For small island-states, which are defined as having a population of less than 300 000 inhabitants, distant from a continental mainland, off the main cable routes and therefore reliant on satellite communications, the indicative target rate of 0.112 SDR per minute may be used. The countries/territories within this category may choose to adhere to this target or to the one relevant to its teledensity.

For Least Developed Countries, which are recognized by the United Nations, the indicative target rate of 0.0814 SDR per minute may be used. The countries/territories within this category may choose to adhere to this target or to the one relevant to its teledensity.

This Supplement is published for information purposes only and does not replace the target rates in Annex E to ITU-T Rec. D.140.

4 Appendix II provides a summary of the settlement rates and indicative target rates for the different teledensity groups.

Appendix I

Updated table of Groups of countries/territories (2003)

T ≤ 1 (Group A)	1 < T ≤ 5 (B)	5 < T ≤ 10 (C)	10 < T ≤ 20 (D)	20 < T ≤ 35 (E)	35 < T ≤ 50 (F)	T > 50 (G)
Afghanistan*	Albania	Algeria	Armenia	Argentina	Andorra	Anguilla+
Angola*	Bhutan*	Bolivia	Azerbaijan	Bahrain	Antigua & Barbuda+	Australia
Bangladesh*	Comoros*	Botswana	Belize	Belarus	Aruba	Bermuda
Benin*	Côte d'Ivoire	Cuba	Bosnia & Herzegovina	Brazil	Ascension+	British Virgin Islands+
Burkina Faso*	D.P.R. Korea	Guatemala	Cape Verde*	Brunei Darussalam	Austria	Canada
Burundi*	Djibouti*	Guyana	China	Chile	Bahamas+	Cayman Islands+
Cambodia*	Equatorial Guinea*	Kyrgyzstan	Colombia	Cook Islands+	Barbados+	Cyprus
Cameroon	Gabon	Maldives*+	Dominican Rep.	Costa Rica	Belgium	Denmark
Central African Rep.*	Gambia*	Marshall Islands+	Ecuador	Dominica+	Bulgaria	Falkland Islands (Malvinas)+
Chad*	Ghana	Mayotte+	Egypt	French Guyana	Croatia	Faroe Islands
Congo	Honduras	Micronesia+	El Salvador	French Polynesia+	Czech Republic	Finland
DPR Congo*	India	Mongolia	Fiji	Grenada+	Estonia	France
Eritrea*	Indonesia	Namibia*	Georgia	Jamaica	Greenland	Germany
Ethiopia*	Iraq	Oman	Iran (I.R.)	Kuwait	Guadeloupe	Gibraltar
Guinea*	Kenya	Paraguay	Jordan	Latvia	Hungary	Guam
Guinea-Bissau*	Kiribati*+	Peru	Kazakhstan	Lebanon	Ireland	Greece
Haiti*	Lesotho*	Samoa*+	Libya	Lithuania	Israel	Guernsey
Lao P.D.R.*	Morocco	Thailand	Malaysia	Mauritius	Italy	Hong Kong, China
Liberia*	Mauritania*	Turkmenistan	Mexico	New Caledonia+	Korea (Rep.)	Iceland+
Madagascar*	Nepal*	Tuvalu*+	Moldova	Niue+	Macao, China	Japan
Malawi*	Nicaragua*	Uzbekistan	Nauru+	Poland	Martinique	Jersey
Mali*	Pakistan	Wallis and Futuna+	Panama	Puerto Rico	Montserrat+	Liechtenstein
Mozambique*	Papua New Guinea	West Bank and Gaza	Romania	Qatar	Neth. Antilles+	Luxembourg
Myanmar*	Philippines		Saudi Arabia	Russia	New Zealand	Malta
Niger*	S.Tome and Principe*+		South Africa	Seychelles+	Northern Mariana Islands+	Monaco
Nigeria	Senegal*		Suriname	Slovak Republic	Portugal	Netherlands
Rwanda*	Solomon Islands*		Syria	St. Helena+	Reunion	Norway
Sierra Leone*	Sri Lanka		Tonga	St. Lucia+	Singapore	St. Pierre and Miquelon
Somalia*	Sudan*		Tunisia+	St. Vincent+	Slovenia	Sweden
Tanzania*	Swaziland		Venezuela	TFYR Macedonia	San Marino	Switzerland
Uganda*	Tajikistan			Trinidad & Tobago	Spain	Taiwan, China
Zambia*	Togo*			Turkey	St. Kitts and Nevis+	United Kingdom
	Vanuatu*+			Turks & Caicos+		United States
	Viet Nam			Ukraine		Virgin Islands (US)
	Yemen*			Uruguay		
	Zimbabwe			Yugoslavia F.R.		
				United Arab Emirates		

* (LDC) Least Developed Country and "as if LDC"
+ Small island state
NOTE – Teledensity: As of 1 January 2003.

Appendix II

Summary of settlement rates and indicative target rates, for different teledensity groups

Expressed in SDRs per minute. Teledensity (T) is telephone lines per 100 inhabitants

Definition	Group A	Group B	Group C	Group D	Group E	Group F	Group G
	Teledensity $T \leq 1$	Teledensity $1 < T \leq 5$	Teledensity $5 < T \leq 10$	Teledensity $10 < T \leq 20$	Teledensity $20 < T \leq 35$	Teledensity $35 < T \leq 50$	Teledensity $T > 50$
No. of countries/territories	32	36	23	30	37	32	34
Number of replies from countries/territories	8	7	5	10	6	4	3
Average settlement rate (Target rates)	0.084	0.068	0.112	0.085	0.075	0.028	0.021
Minimum settlement rate in countries/territories	A: 0.03 B: 0.042 C: 0.05 D: 0.08 E: 0.08 F: 0.10 G: 0.12 H: 0.17	A: 0.0151 B: 0.03 C: 0.03 D: 0.06 E: 0.09 F: 0.10 G: 0.15	A: 0.07 B: 0.09 C: 0.11 D: 0.13 E: 0.15	A: 0.045 B: 0.0545 C: 0.06 D: 0.065 E: 0.08 F: 0.08 G: 0.103 H: 0.140 I: 0.140 J: 0.1858	A: 0.025 B: 0.04 C: 0.07 D: 0.08 E: 0.105 F: 0.13	A: 0.01167 B: 0.02 C: 0.03 D: 0.05	A: 0.0127 B: 0.02 C: 0.03
Average	0.084	0.068	0.112	0.0853	0.075	0.028	0.021
NOTE 1 – Target rates are based on the average of the minimum settlement rates collected in each category.							
NOTE 2 – The data used to define teledensity groups is valid for 1 January 2003.							
NOTE 3 – Each country/territory is treated as a single data item. Where there are multiple operators, the average is taken.							
NOTE 4 – For small island states and Least Developed Countries, separate categories are proposed.							

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