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TECHNICAL NOTES ON TELECOMMUNICATION STATISTICS

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TECHNICAL NOTES ON TELECOMMUNICATION STATISTICS

I Procedure for collecting information

Statistical data relating to telecommunications are obtained from the regional directorates (prefectures) and from the technical directorates located in Bamako, particularly the production directorate and the commercial and logistic directorate.

The data are most commonly collected on paper, and in some cases on magnetic tape. The data from the regions are initially processed at a central location with the aid of a management software known as JISCOM, and are subsequently transmitted to SOTELMA's studies and planning directorate, which is responsible for compiling and publishing the data.

II Publication

SOTELMA publishes the data on an annual basis. In order to satisfy internal service requirements, monthly processing is also carried out but the results are not published.

The *Direction Nationale de la Statistique et de l'Information* (DNSI) [national directorate for statistics and information] publishes some of the data in the *Annuaire statistique du Mali* [Mali statistical yearbook].

III Shortcomings of the procedure

Major difficulties are currently encountered in the production of telecommunication statistics, including the following:

- the lack of harmonized processing on the part of the different producers of telecommunication statistics, in particular SOTELMA, Malitel and, soon, Icatel;
- the data recorded on printout paper are subsequently recaptured in Excel for compilation, in an exercise which increases not only the processing time but also the risk of error;
- the lack of qualified staff in the field of telecommunication statistics.

Selected data on telecommunication statistics in Mali

Items	2000	2001
Number of main telephone lines	45 226	50 071
Number of lines in Bamako	30 426	30 426
Number of main lines in urban areas	...	...
Number of main lines in rural areas	...	...
Number of main telephone lines per 100 inhabs.	0.44	0.47
Number of main telephone lines per 100 inhabs. + Malitel	...	1
Total capacity of public automatic exchanges	55 920	114 800
Main lines connected to digital exchanges	43 848	116 000
Main lines for residential use	18 326	15 742
Payphones	356	350
Telex lines	78	94
Cellular lines	6 003	5 900
Malitel cellular lines	...	50 000
Leased circuits	79	62
Data network lines (MaliPac)	28	29
Requests pending	17 500	17 845
Proportion of faults cleared in one day (%)	80	80.23
Fault reporting rate (%)	53	53.30
International traffic - outgoing (mm)	13 450 082	15 604 281
International traffic - incoming (mm)	84 032 065	43 514 290
Telephone network saturation rate (%)	...	68
Total number of staff	1 352	1 364
Number of women	309	305
Number of staff per 100 lines	3	3
Total revenue	38 900 000 000	...
Call completion ratio - international (%)	...	...
Call completion ratio - long distance (national) (%)	...	...
Call completion ratio - local (%)	...	...
Number of rural localities served	...	...
Average number of lines per village served	...	...
Local tariff for 5 mins (CFA francs)	85	85
Long-distance tariff per minute 0-100 km (CFA francs)	170	170
Long-distance tariff per minute 101-200 km (CFA francs)	255	255
Long-distance tariff per minute - France (CFA francs)	1 345	1 345
Long-distance tariff per minute - USA (CFA francs)	2 040	2 040
Long-distance tariff per minute - WAEMU (CFA francs)	700	700

Source: SOTELMA

Total number of telephone lines

Region	Jan 02	Feb 02	Mar 02	Apr 02	May 02	Jun 02	Jul 02
Bamako - fixed	31 087	31 217	31 514	31 925	32 041	32 238	32 392
Bamako - cellular	5 898	5 913	5 925	5 815	5 840	5 742	5 798
Inmarsat							
Kayes	2 847	2 876	2 900	2 923	2 981	2 991	3 091
Koulikoro	2 230	2 253	2 269	2 299	2 328	2 346	2 347
Sikasso	3 169	3 174	3 277	3 317	3 433	3 480	3 740
Ségou	2 639	2 646	2 697	2 701	2 765	2 776	2 809
Mopti	1 363	1 372	1 400	1 398	1 461	1 498	1 594
Tombouctou	723	723	762	830	906	937	958
Gao Kidal	684	678	693	693	694	697	695
Total	50 640	50 852	51 437	51 901	52 449	52 705	53 424

Source: SOTELMA