

Table A 3-6

TELKOM'S OPENING BALANCE SHEET
AS OF SEPTEMBER 24, 1991
(Rp. Billion)

<u>Assets</u>	
Cash and Bank a/	458.1
Other Current Assets	610.9

Total Current Assets	1,069.0
Net Fixed Assets	2,160.5
Work in Progress	879.4
Other Asetts	536.3
	=====
Total Assets	4,645.2
<u>Liabilities</u>	
Current Liabilities	711.0
Other Liabilities	313.8
Long-term Debt	1,620.4

Total Liabilities	2,645.2
<u>Equity</u>	2,000.0
	=====
Total Liabilities and Equity	4,645.2
Current Ratio	1.5
Debt:Equity Ratio	45:55

a/ Includes short-term investments.

Table A 3-7

**Condition and Assumption
for
Corporate Financial Projection**

Marketing Pattern

Connectable Capacity	80%
1st Year	40%
2nd Year	50%
3rd Year	10%

Disbursement Pattern

1st Year	25%
2nd Year	50%
3rd Year (Targ. Year)	25%

Revenue

Produc./MLU '92 Telep.	9,297
Declining Factor	-1.50%
Produc./MLU '92 Coin	18,910
Produc./MLU '92 Card	46,322
Declining Factor	0.00%
Produc./MLU Telex '92	41,672
Declining Factor	-1.49%
Tariff Telep. & Telex (Rp)	100
Tariff of Card Tel. (Rp)	75
Tariff of Coin Telep. (Rp)	50
PBH Sharing Rate	30%
WARTEL Sharing Rate	80%
Install. Fee Tel. & Tlx (Rp)	500,000
Alloc. Period of Instal. Fee	2
Monthly Rent of Telep. (Rp)	90,000
Monthly Rent of Telex (Rp)	120,000
Sharing of Internat'l*	45%
Circuit Rent Ratio	9%
Trnsp.&SBK Income (M Rp)	3,000
Other Oper. Income @	1%
Non-Oper. Income @	1%
Min./MLU (Intern'l)	81
Internat'l Tariff/Minute (Rp)	3,366

Construction Cost (US\$)

Land	22.66
Telephone Exchange	300.36
Telex Exchange	12.36
Outside Plant	500.00
Terrestrial Trans	368.74
Satellite Trans	212.18
Supporting Facility	57.68
Consultant	28.84
Total	1,501.82
Exc. Rate '92 (1US\$=)	2,020
Exc. @ Incr. Inflation Ratio	10%

Operating/Non Operating Cost

Depreciation Ratio	25%
Loss on Fix. Assets @	6.0%
Loss on Receiv. Ratio	5.6%
Credit Duration (day)	45
Supp. fm Assets Rate	3%
F.Assets Improv. @	15%
Staff C/Line '92 (Rp)	68,639
Inflation Ratio	10.00%
Ex./Staff '92 (Th. Rp)	12,386
Ex/Staff Incr. Ratio	10%
Gen. & Adm. Exp. @*	34%

(* Sharing ratio is increased 5 points per annum up to 60% and productivity increases 5% annually until 2000.)

(* 10% streamlining per annum down to 20%)

Loan Conditions

Local Loan	
Grace Period (Year)	4
Due Period (Year)	10
Interest Rate	23%
Foreign Loan	
Loan/Y (US\$ mill)	600
Grace Period (Year)	5
Due Period (Year)	15
Interest Rate	13%

Others

Tax Rate	35%
Other Receiv. Ratio	5%
Streamline Sharing @	50%
Bonus Ratio	16%
Social Welfare Ratio	4%
Devidend Ratio	25%
Retained Profit Ratio	55%

Table A 3-7 Con Condition and Assumption for Preliminary Corporate Financial Projection

Item	1993	1994	1995	1996	1997	1998	1999	2000
Development	1,113,577	449,754	705,259	1,418,099	1,485,181	2,116,942	809,582	809,582
Removal	163,913	76,507	114,197	249,347	109,595	118,641	109,582	109,582
Increasing Capacity	949,664	373,247	591,062	1,168,752	1,375,586	1,998,301	700,000	700,000
Total Capacity/End	3000951	3374198	3965260	5134012	6509598	8507899	9207899	9907899
Total Line Applied	697,927	581,544	414,562	640,285	954,973	1,283,191	1,139,367	664,864
Total Line/End	2,391,473	2,973,017	3,387,579	4,027,864	4,982,837	6,266,028	7,405,395	8,070,260
Staff Efficiency per Line Unit	18.00	15.61	14.77	13.39	11.67	10.00	9.08	8.94
Total Staff	43,047	46,403	50,022	53,923	58,127	62,660	67,225	72,123

Item	2001	2002	2003	2004	2005	2006	2007	2008
Development	809,582	809,582	1,264,582	1,040,892	1,040,892	1,040,892	1,040,892	2,135,892
Removal	109,582	109,582	109,582	140,892	140,892	140,892	140,892	140,892
Increasing Capacity	700,000	700,000	1,155,000	900,000	900,000	900,000	900,000	1,995,000
Total Capacity/End	10607899	11307899	12462899	13362899	14262899	15162899	16062899	18057899
Total Line Applied	560,000	560,000	705,600	806,000	740,400	720,000	720,000	1,070,400
Total Line/End	8,630,260	9,190,260	9,895,860	10,701,860	11,442,260	12,162,260	12,882,260	13,952,660
Staff Efficiency per Line Unit	8.97	9.03	9.00	8.71	8.52	8.39	8.28	8.00
Total Staff	77,377	83,015	89,063	93,176	97,480	101,983	106,693	111,621

Table A 3-8 Profit and Loss Calculation Sheet

Item	1993 to 2008								(unit: mill Rp)
	1993	1994	1995	1996	1997	1998	1999	2000	
I. Revenue									
Total Operating Income	2,664,886	3,345,511	4,543,951	5,457,268	6,738,360	8,301,556	9,672,270	12,347,174	
Non Operating Income	26,649	33,455	102,328	54,573	67,384	83,016	96,723	123,472	
Total Revenue	2,691,535	3,378,966	4,646,279	5,511,841	6,805,744	8,384,572	9,768,993	12,470,646	
II. Expenses									
A. Operating Expenses									
1. Personnel	175,158	236,738	304,043	392,879	528,815	728,265	961,760	1,180,195	
2. General and Administration	785,921	908,283	1,051,787	1,220,256	1,418,212	1,575,968	1,689,704	1,812,806	
3. Depreciation and Loss on Assets	1,363,040	1,692,267	2,045,759	2,943,042	4,157,151	5,463,615	6,048,763	6,029,438	
4. Loss on Receivable	18,500	23,037	31,284	37,575	46,393	57,157	66,604	84,999	
Total Operating Expenses	2,342,618	2,860,325	3,432,872	4,593,752	6,150,572	7,825,004	8,766,831	9,107,438	
B. Non Operating Expenses									
Total Expenses	2,554,758	3,305,933	3,949,034	5,392,726	8,147,132	10,670,821	12,740,989	13,644,523	
Pre-Tax Profit	136,777	73,033	697,244	119,116	-1,341,388	-2,286,249	-2,971,996	-1,173,876	
Tax 35%	47,872	25,562	244,036	41,690	0	0	0	0	
Net Profit	88,905	47,471	453,209	77,425	-1,341,388	-2,286,249	-2,971,996	-1,173,876	
Operating Ratio	94.92%	97.84%	84.99%	97.84%	119.71%	127.27%	130.42%	109.41%	

**Table A 3-8 Con. Profit and Loss Calculation Sheet
1993 to 2008**

Item	2001	2002	2003	2004	2005	2006	2007	2008
(unit: mill Rp)								
I. Revenue								
Total Operating Income	13,134,411	13,890,425	14,660,769	15,548,011	19,314,319	20,387,929	21,424,998	22,523,934
Non Operating Income	131,344	138,904	146,608	155,480	193,143	203,879	214,250	225,239
Total Revenue	13,265,755	14,029,329	14,807,377	15,703,491	19,507,462	20,591,808	21,639,248	22,749,173
II. Expenses								
A. Operating Expenses								
1. Personnel	1,396,152	1,637,500	1,933,086	2,279,585	2,690,038	3,150,712	3,674,786	4,349,417
2. General and Administration	1,944,877	2,086,570	2,238,585	2,341,984	2,450,158	2,563,328	2,681,726	2,805,593
3. Depreciation and Loss on Assets	6,165,524	6,454,905	6,898,458	7,735,566	8,900,818	10,084,035	11,311,813	12,600,888
4. Loss on Receivable	90,420	95,626	100,931	107,039	132,912	140,302	147,442	155,007
Total Operating Expenses	9,596,974	10,274,600	11,171,060	12,464,173	14,173,926	15,938,377	17,815,766	19,910,905
B. Non Operating Expenses	4,867,218	5,025,015	5,200,109	5,658,242	6,406,478	7,018,172	7,837,796	8,971,879
Total Expenses	14,464,192	15,299,615	16,371,169	18,122,415	20,580,404	22,956,549	25,653,562	28,882,784
Pre-Tax Profit	-1,198,437	-1,270,287	-1,563,793	-2,418,925	-1,072,942	-2,364,741	-4,014,314	-6,133,611
Tax 35%	0	0	0	0	0	0	0	0
Net Profit	-1,198,437	-1,270,287	-1,563,793	-2,418,925	-1,072,942	-2,364,741	-4,014,314	-6,133,611
Operating Ratio	109.03%	109.05%	110.56%	115.40%	105.50%	111.48%	118.55%	126.96%

**Table A 3-9 Balance Sheet
1993 to 2008**

(unit: mill Rp)

Item	1993	1994	1995	1996	1997	1998	1999	2000
Fixed Assets	7,247,012	10,818,767	12,902,247	16,920,629	21,349,879	24,415,865	24,600,979	25,523,686
Current Assets	780,239	884,406	1,229,426	1,583,034	1,914,579	2,311,924	2,749,205	3,376,093
Other Assets	731,948	702,401	1,132,825	1,599,339	1,891,990	2,268,742	2,310,424	2,402,573
Total Assets	8,759,199	12,405,574	15,264,498	20,103,002	25,156,448	28,996,531	29,660,608	31,302,352
Equity	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Reserves and Retained Earnings	402,425	483,186	849,482	1,073,305	562,247	-343,364	-1,162,816	-363,323
Long Term Debt	3,541,949	3,909,201	7,295,603	12,111,297	15,731,621	20,029,584	21,789,556	23,394,120
Current Liabilities	498,384	583,996	1,148,544	955,160	705,384	936,781	1,092,943	2,821,025
Other Liabilities	2,316,440	5,429,191	3,970,869	3,963,240	6,157,196	6,373,530	5,940,925	3,450,530
Total Liabilities	8,759,199	12,405,574	15,264,498	20,103,002	25,156,448	28,996,531	29,660,608	31,302,352

Item	2001	2002	2003	2004	2005	2006	2007	2008
Fixed Assets	27,535,510	30,353,178	33,128,542	37,919,701	42,835,933	47,978,895	49,948,984	44,996,374
Current Assets	3,969,665	4,221,033	4,649,927	5,106,420	6,266,989	7,328,862	7,917,729	8,434,765
Other Assets	2,538,660	2,777,929	3,171,834	3,639,631	4,207,602	5,005,590	8,991,077	20,425,875
Total Assets	34,043,834	37,352,140	40,950,302	46,665,752	53,310,525	60,313,347	66,857,789	73,857,015
Equity	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Reserves and Retained Earnings	711,715	2,076,577	3,717,208	5,523,585	8,812,731	12,275,450	15,873,232	19,611,369
Long Term Debt	25,680,386	27,933,311	30,123,363	32,215,440	34,965,882	38,080,484	40,673,999	43,563,240
Current Liabilities	2,679,814	3,250,715	3,800,846	4,163,509	7,002,138	7,408,103	7,751,426	8,113,066
Other Liabilities	2,971,919	2,091,538	1,308,884	2,763,218	529,774	549,309	559,132	569,340
Total Liabilities	34,043,834	37,352,140	40,950,302	46,665,752	53,310,525	60,313,347	66,857,789	73,857,015

**Table A 3-10 Fund Calculation Sheet
1993 to 2008**

Item	(unit: mill Rp)									
	1993	1994	1995	1996	1997	1998	1999	2000		
Development Investment	2,372,068	1,363,913	5,386,887	6,664,181	6,155,428	7,533,326	5,412,160	5,953,376		
Total Internal Fund	1,455,766	1,835,157	2,785,755	2,898,585	2,750,156	2,992,110	2,965,219	4,703,950		
Quality Improvement Cost	355,810	204,587	808,033	999,627	923,314	1,132,999	811,824	893,006		
Payment of Principal	234,560	241,240	268,240	268,240	268,240	328,513	461,833	525,382		
Cash	188,167	92,028	96,443	186,081	123,453	133,760	176,212	202,766		
Residue of Internal Fund	677,229	1,297,303	1,613,039	1,444,637	1,435,149	1,396,838	1,515,350	3,082,795		
Required Loan for Development	1,694,840	66,611	3,773,848	5,219,544	4,720,279	6,156,489	3,896,811	2,870,581		
Local	361,640	0	1,380,976	2,705,684	2,898,470	4,080,928	1,613,694	575,655		
Foreign	1,333,200	635,492	2,392,872	2,513,860	1,821,809	2,075,561	2,283,117	2,294,926		
Foreign Loan Ratio	56.20%	46.59%	44.42%	37.72%	29.60%	27.48%	42.18%	38.55%		
Accumulated FL Ratio from 1993	0.00%	52.70%	47.81%	43.55%	39.64%	36.52%	37.40%	37.57%		
Total Principal Payment	234,560	241,240	268,240	268,240	268,240	328,513	461,833	525,382		
Total Interest Payment	212,140	445,608	516,162	798,974	1,996,560	2,845,817	3,974,158	4,537,085		

Item	(unit: mill Rp)									
	2001	2002	2003	2004	2005	2006	2007	2008		
Development Investment	6,548,714	7,768,298	9,674,553	11,206,720	12,327,392	13,560,132	14,916,145	16,407,759		
Total Internal Fund	4,930,909	6,047,488	6,603,491	6,934,960	9,194,147	9,723,195	9,791,931	9,297,722		
Quality Improvement Cost	982,307	1,165,245	1,451,183	1,681,008	1,849,109	2,034,020	2,237,422	2,461,164		
Payment of Principal	692,600	1,230,894	1,610,151	1,757,434	1,985,746	2,426,850	2,759,631	3,440,070		
Cash	263,226	132,658	140,293	148,074	157,035	195,075	205,918	216,392		
Residue of Internal Fund	2,992,776	3,518,691	3,401,864	3,348,444	5,202,258	5,067,251	4,588,961	3,180,096		
Required Loan for Development	3,555,938	4,249,606	6,272,688	7,858,276	7,125,135	8,492,881	10,327,184	13,227,663		
Local	1,269,672	1,996,682	4,082,636	5,766,200	5,172,530	6,728,563	8,808,337	12,021,024		
Foreign	2,286,266	2,252,925	2,190,052	2,092,076	1,952,605	1,764,318	1,518,847	1,206,640		
Foreign Loan Ratio	34.91%	29.00%	22.64%	18.67%	15.84%	13.01%	10.18%	7.35%		
Accumulated FL Ratio from 1993	37.20%	36.05%	34.05%	31.78%	29.56%	27.36%	25.16%	22.97%		
Total Principal Payment	692,600	1,230,894	1,610,151	1,757,434	1,985,746	2,426,850	2,759,631	3,440,070		
Total Interest Payment	4,867,218	5,025,015	5,200,109	5,658,242	6,406,478	7,018,172	7,837,796	8,971,879		

**Table A 3-11 Key Financial Indicators
1993 to 2008**

Item	(unit: mill Rp)															
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Operating Ratio	94.92%	97.84%	84.99%	97.84%	119.71%	127.27%	130.42%	109.41%	109.03%	109.05%	110.56%	115.40%	105.50%	111.48%	118.55%	126.96%
Debt Service Coverage	3.26	2.67	3.55	2.72	1.21	0.94	0.67	0.93	0.89	0.97	0.97	0.94	1.10	1.03	0.92	0.75
Debt Equity Ratio	62.77%	64.65%	75.88%	82.80%	92.77%	104.14%	116.99%	120.92%	124.16%	126.03%	127.00%	129.39%	127.72%	128.98%	132.72%	138.54%
Rate of Net Internal Cash Generation	77.93%	54.37%	46.23%	45.22%	40.12%	46.15%	52.18%	75.25%	68.88%	69.34%	63.25%	58.94%	71.03%	68.29%	62.52%	90.71%
LT Debt to Total Capital	40.63%	31.70%	48.90%	61.97%	67.19%	78.01%	87.93%	90.74%	94.99%	98.55%	105.95%	110.46%	111.08%	114.27%	126.07%	136.17%
LT Debt : Equity	59.88%	61.96%	73.65%	82.10%	92.51%	104.31%	117.78%	122.12%	124.79%	126.67%	127.60%	129.99%	128.32%	129.57%	133.34%	139.23%

ANNEX 4

STATISTICAL TELECOMMUNICATIONS DATA

NO.	COUNTRY	YEAR	POPULATION(*) (x10 ³)	GDP US\$(*) (x10 ³)	GDP/CAPITA (US\$1989)	No. of Main Lines (**)	No. of Waiters(**)
1	AUSTRALIA	1985	15,790	160,644,384	10,174	6,361,422	7,577
1	AUSTRALIA	1986	16,020	164,155,392	10,247	6,668,006	5,689
1	AUSTRALIA	1987	16,260	171,639,936	10,556	6,964,661	73,478
1	AUSTRALIA	1988	16,540	177,813,984	10,751	7,267,618	88,143
1	AUSTRALIA	1989	16,830	185,354,592	11,013	7,602,572	4,326
2	AUSTRIA	1985	7,560	65,171,580	8,621	2,729,389	40,151
2	AUSTRIA	1986	7,560	65,944,901	8,723	2,818,437	40,371
2	AUSTRIA	1987	7,570	67,037,216	8,856	2,906,736	37,035
2	AUSTRIA	1988	7,600	69,714,838	9,173	3,001,319	30,227
2	AUSTRIA	1989	7,620	72,315,128	9,490	3,102,814	35,454
3	BAHRAIN	1985	420	3,704,557	8,820	69,486	297
3	BAHRAIN	1986	440	3,728,759	8,474	73,522	260
3	BAHRAIN	1987	460	3,695,780	8,034	76,792	249
3	BAHRAIN	1988	470	3,943,655	8,391	82,996	233
3	BAHRAIN	1989	490	4,140,997	8,451	87,737	213
4	BELGIUM	1985	9,860	80,720,132	8,187	3,060,663	7,186
4	BELGIUM	1986	9,860	82,320,051	8,349	3,257,390	19,073
4	BELGIUM	1987	9,870	84,374,684	8,549	3,401,788	11,803
4	BELGIUM	1988	9,880	88,500,792	8,958	3,559,158	14,730
4	BELGIUM	1989	9,850	92,071,137	9,347	3,747,913	22,272
5	BOTSWANA	1985	1,080	3,136,329	2,904	10,079	3,821
5	BOTSWANA	1986	1,120	949,573	848	10,576	5,993
5	BOTSWANA	1987	1,170	1,045,960	894	10,955	4,062
5	BOTSWANA	1988	1,210	1,140,229	942	14,591	2,951
5	BOTSWANA	1989	1,260	1,294,342	1,027	18,215	2,798
6	BRAZIL	1985	135,560	138,300,000	1,020	6,927,918	41,460
6	BRAZIL	1986	138,490	148,700,000	1,074	7,249,741	55,000
6	BRAZIL	1987	141,450	154,100,000	1,089	7,892,383	40,160
6	BRAZIL	1988	144,430	154,000,000	1,066	9,081,649	30,380
6	BRAZIL	1989	147,400	159,100,000	1,079	8,852,540	66,960
7	CYPRUS	1985	670	902,663	1,347	144,944	46,505
7	CYPRUS	1986	670	2,521,756	3,764	164,861	43,773
7	CYPRUS	1987	680	2,698,952	3,969	189,058	32,253
7	CYPRUS	1988	690	2,930,290	4,247	211,184	28,186
7	CYPRUS	1989	690	3,140,300	4,551	232,057	25,956
8	DENMARK	1985	5,110	58,050,208	11,360	2,543,000	0
8	DENMARK	1986	5,120	60,164,213	11,751	2,683,000	0
8	DENMARK	1987	5,130	60,343,526	11,763	2,711,000	0
8	DENMARK	1988	5,130	61,041,903	11,899	2,792,000	0
8	DENMARK	1989	5,130	61,542,091	11,997	2,848,000	0
9	ECUADOR	1985	9,380	15,956,009	1,701	282,538	5,651
9	ECUADOR	1986	9,650	16,450,546	1,705	305,988	6,120
9	ECUADOR	1987	9,920	15,467,223	1,559	437,185	8,744
9	ECUADOR	1988	10,200	17,088,844	1,675	484,540	9,690
9	ECUADOR	1989	10,490	17,196,665	1,639	531,895	10,637
10	FINLAND	1985	4,900	54,048,952	11,030	2,190,000	1,600
10	FINLAND	1986	4,920	55,183,207	11,216	2,272,000	1,500
10	FINLAND	1987	4,930	57,383,953	11,640	2,365,000	1,500
10	FINLAND	1988	4,950	60,501,137	12,222	2,470,000	0
10	FINLAND	1989	4,960	63,742,558	12,851	2,582,000	0

NO.	COUNTRY	YEAR	POPULATION(*) (x10 ³)	GDP US\$(*) (x10 ³)	GDP/CAPITA (US\$1989)	No. of Main Lines (**)	No. of Waiters(**)
11	FRANCE	1985	55,170	523,093,532	9,481	23,030,564	37,741
11	FRANCE	1986	55,390	536,259,627	9,682	23,911,097	28,025
11	FRANCE	1987	55,630	548,323,910	9,857	24,803,609	19,477
11	FRANCE	1988	55,880	571,250,501	10,223	25,827,282	13,536
11	FRANCE	1989	56,160	593,709,656	10,572	26,942,452	9,408
12	GHANA	1985 #	12,720	6,308,626	496	37,367	6,538
12	GHANA	1986	13,050	6,637,852	509	38,472	28,036
12	GHANA	1987	13,390	6,956,042	519	39,610	27,936
12	GHANA	1988	14,130	7,388,266	523	40,442	29,644
12	GHANA	1989 #	14,570	7,757,679	532	43,021	11,426
13	GREECE	1985	9,930	33,433,246	3,367	3,116,798	970,256
13	GREECE	1986	9,970	33,974,805	3,408	3,291,971	1,015,309
13	GREECE	1987	9,980	33,750,362	3,382	3,465,815	1,051,160
13	GREECE	1988	10,000	35,124,529	3,512	3,615,526	1,053,718
13	GREECE	1989	10,030	36,340,139	3,623	3,786,429	1,089,863
14	GUATEMALA	1985	7,960	11,180,000	1,405	128,179	15,821
14	GUATEMALA	1986 #	8,190	11,196,000	1,367	131,527	60,473
14	GUATEMALA	1987 #	8,430	11,593,000	1,375	134,875	90,125
14	GUATEMALA	1988	8,680	12,044,000	1,388	138,222	180,744
14	GUATEMALA	1989	8,940	12,520,000	1,400	158,840	261,200
15	ICELAND	1985	240	2,734,581	11,394	102,657	0
15	ICELAND	1986	240	2,940,301	12,251	110,373	0
15	ICELAND	1987	250	3,206,635	12,827	113,134	0
15	ICELAND	1988	250	3,166,811	12,667	117,337	0
15	ICELAND	1989	250	3,116,676	12,467	121,374	0
16	INDONESIA	1985	164,630	87,337,475	531	602,356	380,906
16	INDONESIA	1986	168,350	92,468,936	549	677,279	413,561
16	INDONESIA	1987	172,010	102,156,492	594	759,127	416,296
16	INDONESIA	1988	175,590	102,631,010	584	828,812	549,084
16	INDONESIA	1989	179,140	110,373,672	616	863,814	498,079
17	IRELAND	1985	3,540	18,957,024	5,355	703,000	27,726
17	IRELAND	1986	3,540	18,868,579	5,330	750,805	20,933
17	IRELAND	1987	3,540	19,730,650	5,574	796,204	15,125
17	IRELAND	1988	3,540	20,609,770	5,822	842,677	13,460
17	IRELAND	1989	3,510	21,926,851	6,247	903,000	6,098
18	ISRAEL	1985	4,230	24,088,904	5,695	1,208,000	149,000
18	ISRAEL	1986	4,300	24,976,247	5,808	1,313,000	108,000
18	ISRAEL	1987	4,370	26,443,841	6,051	1,392,000	88,000
18	ISRAEL	1988	4,440	27,147,947	6,114	1,471,900	62,200
18	ISRAEL	1989	4,520	27,583,135	6,102	1,533,584	40,404
19	ITALY	1985	57,140	424,520,792	7,429	17,396,113	330,064
19	ITALY	1986	57,250	436,922,593	7,632	18,252,973	265,475
19	ITALY	1987	57,340	450,623,232	7,859	19,104,828	201,086
19	ITALY	1988	57,440	468,943,123	8,164	20,091,533	118,940
19	ITALY	1989	57,520	483,167,487	8,400	21,265,518	17,734
20	JAPAN	1985	120,840	1,343,250,608	11,116	45,370,000	76
20	JAPAN	1986	121,490	1,379,155,119	11,352	44,861,000	66
20	JAPAN	1987	122,090	1,434,954,901	11,753	46,325,000	0
20	JAPAN	1988	122,610	1,525,024,776	12,438	48,014,000	0
20	JAPAN	1989	123,120	1,594,745,196	12,953	49,946,000	0

NO.	COUNTRY	YEAR	POPULATION(*) (x10 ³)	GDP US\$(*) (x10 ³)	GDP/CAPITA (US\$1989)	No. of Main Lines (**)	No. of Waiters(**)
21	JORDAN	1985	# 3,410	4,816,934	1,413	234,636	3,993
21	JORDAN	1986	3,520	5,258,529	1,494	235,550	4,000
21	JORDAN	1987	# 3,630	5,441,258	1,499	236,464	87,341
21	JORDAN	1988	# 3,750	5,507,243	1,469	237,378	68,062
21	JORDAN	1989	3,880	5,195,081	1,339	238,292	58,489
22	KENYA	1985	20,330	6,126,035	301	118,400	64,500
22	KENYA	1986	21,160	6,565,725	310	129,500	48,500
22	KENYA	1987	22,940	6,955,514	303	145,270	54,587
22	KENYA	1988	23,880	7,374,574	309	157,356	63,892
22	KENYA	1989	24,870	7,710,686	310	168,683	75,284
23	KOREA REP	1985	40,810	92,925,450	2,277	6,517,395	279,988
23	KOREA REP	1986	41,180	104,443,576	2,536	7,659,000	160,000
23	KOREA REP	1987	41,570	117,013,402	2,815	8,625,000	105,438
23	KOREA REP	1988	41,970	130,447,576	3,108	10,486,193	50,876
23	KOREA REP	1989	42,380	138,476,127	3,267	12,003,839	1,601
24	MALAYSIA	1985	15,680	31,231,172	1,992	958,598	182,641
24	MALAYSIA	1986	16,110	31,559,001	1,959	1,042,827	127,855
24	MALAYSIA	1987	16,530	33,260,169	2,012	1,131,719	84,639
24	MALAYSIA	1988	16,940	36,276,681	2,141	1,247,687	69,460
24	MALAYSIA	1989	# 17,350	39,389,448	2,270	1,375,538	41,266
25	MALTA	1985	340	1,017,926	2,994	84,665	27,132
25	MALTA	1986	340	1,057,488	3,110	107,523	18,965
25	MALTA	1987	# 340	1,100,900	3,238	112,097	17,443
25	MALTA	1988	350	1,193,497	3,410	116,672	15,922
25	MALTA	1989	350	1,291,226	3,689	122,043	18,467
26	MAURITIUS	1985	990	1,076,156	1,087	39,936	24,962
26	MAURITIUS	1986	990	1,181,000	1,193	43,406	27,556
26	MAURITIUS	1987	1,000	1,300,997	1,301	45,987	35,100
26	MAURITIUS	1988	1,020	1,389,134	1,362	49,674	41,601
26	MAURITIUS	1989	1,030	1,450,525	1,408	52,595	53,679
27	NEPAL	1985	16,690	2,434,342	146	20,691	40,330
27	NEPAL	1986	# 17,130	2,538,913	148	25,547	40,832
27	NEPAL	1987	17,560	2,639,044	150	30,404	41,335
27	NEPAL	1988	# 17,990	2,830,429	157	37,930	49,315
27	NEPAL	1989	18,440	2,939,768	159	45,457	57,296
28	NEW ZEALAND	1985	3,250	22,238,110	6,842	1,259,761	2,937
28	NEW ZEALAND	1986	3,250	22,784,854	7,011	1,295,022	3,850
28	NEW ZEALAND	1987	3,280	22,909,953	6,985	1,327,766	2,803
28	NEW ZEALAND	1988	3,290	22,604,932	6,871	1,376,781	1,489
28	NEW ZEALAND	1989	3,310	22,908,458	6,921	1,451,743	6,655
29	NORWAY	1985	4,150	58,181,734	14,020	1,757,656	13,863
29	NORWAY	1986	4,170	60,613,921	14,536	1,861,412	0
29	NORWAY	1987	4,190	61,821,291	14,754	1,948,680	0
29	NORWAY	1988	4,210	61,508,398	14,610	2,016,213	0
29	NORWAY	1989	4,230	61,734,053	14,594	2,070,249	0
30	PHILIPPINE	1985	54,670	29,875,853	546	477,963	172,978
30	PHILIPPINE	1986	# 56,000	31,111,947	556	515,725	209,271
30	PHILIPPINE	1987	# 57,360	32,718,869	570	553,486	245,564
30	PHILIPPINE	1988	58,720	35,072,822	597	591,248	281,949
30	PHILIPPINE	1989	60,100	37,034,449	616	570,643	452,569

NO.	COUNTRY	YEAR	POPULATION(*) (x10 ³)	GDP US\$(*) (x10 ³)	GDP/CAPITA (US\$1989)	No. of Main Lines (**)	No. of Waiters(**)
31	PORTUGAL	1985	10,160	20,681,378	2,036	1,400,418	44,239
31	PORTUGAL	1986	10,210	21,571,102	2,113	1,510,599	81,763
31	PORTUGAL	1987	10,250	22,669,758	2,212	1,656,306	140,120
31	PORTUGAL	1988	10,290	23,575,914	2,291	1,849,247	178,332
31	PORTUGAL	1989	10,470	24,872,938	2,376	1,967,846	141,098
32	SINGAPORE	1985	2,560	17,691,119	6,911	796,842	52
32	SINGAPORE	1986	2,590	18,036,088	6,964	830,497	108
32	SINGAPORE	1987	2,610	19,740,478	7,563	875,672	126
32	SINGAPORE	1988	2,650	21,940,278	8,279	924,022	71
32	SINGAPORE	1989	2,680	23,964,185	8,942	981,723	300
33	SOUTH AFRICA	1985	31,570	56,193,475	1,780	2,297,773	223,236
33	SOUTH AFRICA	1986	32,280	58,203,516	1,741	2,403,446	185,411
33	SOUTH AFRICA	1987	33,010	57,327,148	1,737	2,532,680	167,538
33	SOUTH AFRICA	1988	33,750	59,798,956	1,772	2,668,589	141,670
33	SOUTH AFRICA	1989	34,510	61,167,670	1,772	2,866,024	120,906
34	SPAIN	1985	38,470	165,849,212	4,311	9,340,458	252,762
34	SPAIN	1986	38,600	171,283,227	4,437	9,801,009	292,567
34	SPAIN	1987	38,720	180,839,802	4,670	10,236,408	365,459
34	SPAIN	1988	38,810	190,302,282	4,903	10,971,635	578,082
34	SPAIN	1989	38,890	199,476,594	5,129	11,797,159	349,590
35	SRI LANKA	1985	15,840	5,977,801	377	87,686	49,195
35	SRI LANKA	1986	16,120	6,234,878	387	92,065	16,739
35	SRI LANKA	1987	16,360	6,328,425	387	97,333	22,089
35	SRI LANKA	1988	16,590	6,498,840	392	103,521	51,039
35	SRI LANKA	1989	16,810	6,648,345	395	105,483	48,417
36	SWEDEN	1985	8,350	100,627,622	12,051	5,242,497	791,012
36	SWEDEN	1986	8,360	102,828,950	12,300	5,373,000	815,000
36	SWEDEN	1987	8,400	105,351,062	12,542	5,480,500	784,600
36	SWEDEN	1988	8,440	96,609,677	11,447	5,601,000	805,000
36	SWEDEN	1989	8,490	110,535,820	13,020	5,716,000	828,000
37	SWITZERLAND	1985	6,470	92,792,316	14,342	3,277,026	4,235
37	SWITZERLAND	1986	6,500	95,437,711	14,683	3,381,492	4,444
37	SWITZERLAND	1987	6,550	97,350,535	14,863	3,499,609	4,969
37	SWITZERLAND	1988	6,590	100,199,422	15,205	3,632,765	7,931
37	SWITZERLAND	1989	6,650	104,065,769	15,649	3,784,506	10,106
38	THAILAND	1985	51,680	37,350,418	723	626,498	359,923
38	THAILAND	1986	52,650	39,187,746	744	878,339	287,287
38	THAILAND	1987	53,600	42,899,223	800	901,622	288,953
38	THAILAND	1988	54,540	48,565,853	890	1,005,872	376,756
38	THAILAND	1989	55,450	54,416,584	981	1,158,014	560,054
39	TURKEY	1985	50,230	53,250,958	1,060	2,247,884	1,818,619
39	TURKEY	1986	51,680	57,563,218	1,114	2,779,615	2,115,391
39	TURKEY	1987	53,250	61,833,333	1,161	4,077,184	2,106,801
39	TURKEY	1988	54,180	64,164,751	1,184	4,920,757	1,337,229
39	TURKEY	1989	56,740	65,402,299	1,153	5,877,123	1,457,577
40	UN STATES	1985	238,470	4,014,900,000	16,836	111,545,000	0
40	UN STATES	1986	240,660	4,129,200,000	17,158	115,214,000	0
40	UN STATES	1987	242,820	4,268,100,000	17,577	119,090,000	0
40	UN STATES	1988	245,050	4,456,600,000	18,186	122,275,000	0
40	UN STATES	1989	247,350	4,568,500,000	18,470	125,835,921	0

NO.	COUNTRY	YEAR	POPULATION(*) (x10 ³)	GDP US\$(*) (x10 ³)	GDP/CAPITA (US\$1989)	No. of Main Lines (**)	No. of Waiters(**)
41	URUGUAY	1985	3,010	4,719,921	1,568	288,029	53,416
41	URUGUAY	1986	3,030	5,138,067	1,696	306,926	64,653
41	URUGUAY	1987	3,040	5,545,365	1,824	311,984	80,711
41	URUGUAY	1988	3,060	5,545,365	1,812	345,390	93,307
41	URUGUAY	1989	3,080	5,571,992	1,809	375,830	97,331
42	ZAMBIA	1985	6,730	2,606,032	387	43,406	23,623
42	ZAMBIA	1986	7,280	2,621,141	360	46,647	27,593
42	ZAMBIA	1987	7,560	2,615,245	346	51,758	28,807
42	ZAMBIA	1988	7,530	2,745,694	365	58,492	29,105
42	ZAMBIA	1989	7,800	2,883,144	370	60,750	32,464

NOTE (*) : International Financial Statistics (International Monetary Fund:March 1992)

(**) : ITU Yearbook of Common Carrier Telecommunication Statistics (18th Edition)

: Estimated

ANNEX 4-2 Statistical Data for Mobile Telephone Service in
27 Countries in 1989

Countries	Population	No. of Main Lines	No. of Mobile Tel
Canada	26,094,200	13,936,486	86,680
Cayman Islands	27,810	9,553	259
Dominican Republic	6,870,000	237,438	688
Puerto Rico	3,800,000	768,367	21,310
Morocco	23,958,000	286,493	94
Tunisia	7,769,900	248,885	401
Austria	7,595,400	3,039,640	38,321
Belgium	9,875,716	3,955,387	21,086
Finland	4,954,591	2,470,038	138,160
Germany, Fed. Rep.	61,320,400	28,377,000	123,145
Iceland	251,743	128,661	6,519
Sweden	8,400,000	5,600,000	229,000
Switzerland	6,715,000	3,632,765	42,977
Costa Rica	2,865,812	256,708	187
Paraguay	4,098,200	94,380	127
Suriname	400,000	32,249	291
Australia	15,606,156	7,267,618	70,000
Papua New Guinea	3,561,500	30,993	11
Japan	122,970,000	51,951,000	239,000
Korea, Rep. of	41,975,000	10,326,321	20,293
Macau	443,500	65,710	329
Bahrain	488,548	89,130	2,779
Kuwait	1,958,000	296,049	4,602
Qatar	370,000	83,215	175
Syria	11,523,000	477,702	3,227
Turkey	54,845,000	4,920,757	9,846
United Arab Emirates	1,534,000	309,966	13,823

Source: The World's Telephones

(A Statistical Compilation as of January 1989)

ANNEX 4-3 Statistical Data for Radio Paging Service in
31 Countries in 1990

Countries	Population	No. of Main Lines	No. of Paging Sub.
Austria	17,211,000	7,952,964	81,498
Bahrain	516,444	93,995	5,028
Belgium	9,947,782	3,990,429	116,568
Cyprus	706,900	254,510	1,600
Denmark	5,146,000	2,911,000	47,836
Egypt	52,890,000	1,717,498	4,000
Finland	4,998,000	2,670,000	40,388
France	58,285,700	28,084,922	243,052
Hongkong	5,859,100	2,446,989	266,752
Iceland	255,000	126,493	3,036
Ireland	3,523,401	983,000	12,260
Italy	57,764,000	22,350,000	93,021
Japan	123,542,000	54,209,656	3,437,000
Kenya	26,000,000	183,240	396
Kuwait	2,140,000	360,092	5,524
Luxembourg	380,000	183,700	3,901
Mexico	85,784,224	5,189,802	100,000
Netherlands	15,009,000	6,940,000	291,000
New Zealand	3,427,196	1,473,384	32,000
Norway	4,249,817	2,132,290	88,833
Portugal	10,530,000	2,379,265	10,072
South Korea	42,869,000	13,513,523	150,000
Spain	38,960,000	12,602,600	52,934
Suriname	420,000	36,812	500
Swaziland	770,000	13,524	48
Sweden	8,591,300	5,848,700	126,912
Switzerland	6,796,000	3,942,701	38,701
Turkey	56,473,035	6,893,267	20,921
United Arab Emirates	1,590,000	430,023	64,176
United Kingdom	57,240,000	25,404,000	673,000
United States	249,970,000	127,178,122	2,120,000
Colombia	32,978,170	2,414,726	1,232
Indonesia	179,300,000	1,057,628	28,518
Singapore	2,690,100	1,040,187	333,000

Source: Yearbook of Common Carrier Telecommunication Statist
World Telecom Databook (Telecom Information Services)

ANNEX 4-4 Statistical Data for Leased Circuits in
21 Countries in 1990

Countries	Population	No. of Main Lines (X)	Private L'sd CCT (B)
Saudi Arabia	14,000,000	1,384,096	9,029
Australia	17,211,000	7,952,963	843,079
Bahrain	516,444	93,995	446
Barbados	257,082	83,366	1,060
Cote D'ivoire	10,812,782	64,177	140
United Arab Emirates	1,590,000	430,023	656
Gabon	1,200,000	20,754	53
Guadeloupe	392,000	117,983	1,035
Hongkong	5,859,100	2,446,989	59,486
Hungary	10,535,000	996,000	1,023
Luxembourg	380,000	183,700	12,236
Macau	461,800	93,155	1,426
Malaysia	17,860,000	1,585,744	15,528
Malawi	8,290,000	26,170	72
Martinique	364,000	122,041	2,426
Papua New Guinea	3,727,200	30,187	655
Philippines	61,480,180	610,126	187
Senegal	7,400,000	44,326	90
Singapore	2,690,100	1,040,187	52,960
Togo	3,543,500	10,516	90
Zimbabwe	9,400,000	125,747	865
Greece	10,253,779	3,948,654	1,134
Turkey	56,473,035	6,893,267	1,507

Source: Yearbook of Common Carrier Telecommunication
Statistics(19th edition)

ANNEX 4-5 Statistical Data for Data Terminals in 23 Countries in 1990

Countries	Population	No. of Main Lines (X)	Data Term. on PSTN (A)	Data Term. on PSDN (C)
Saudi Arabia	14,000,000	1,384,096	31,517	153
Australia	17,211,000	7,952,963	20,768	177,819
Bahrain	516,444	93,995	1,700	3,659
Barbados	257,082	83,366	1,350	170
Cote D'ivoire	10,812,782	64,177	538	48
United Arab Emirates	1,590,000	430,023	1,319	563
Gabon	1,200,000	20,754	423	344
Guadeloupe	392,000	117,983	988	171
Hongkong	5,859,100	2,446,989	21,996	26,511
Hungary	10,535,000	996,000	574	496
Luxembourg	380,000	183,700	334	749
Macau	461,800	93,155	537	27
Malaysia	17,860,000	1,585,744	5,592	1,153
Malawi	8,290,000	26,170	176	61
Martinique	364,000	122,041	702	1,136
Papua New Guinea	3,727,200	30,187	715	124
Philippines	61,480,180	610,126	4,224	401
Senegal	7,400,000	44,326	110	125
Singapore	2,690,100	1,040,187	45,113	443
Togo	3,543,500	10,516	128	72
Zimbabwe	9,400,000	125,747	130	802

Source: Yearbook of Common Carrier Telecommunication Statistics
(19th edition)

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