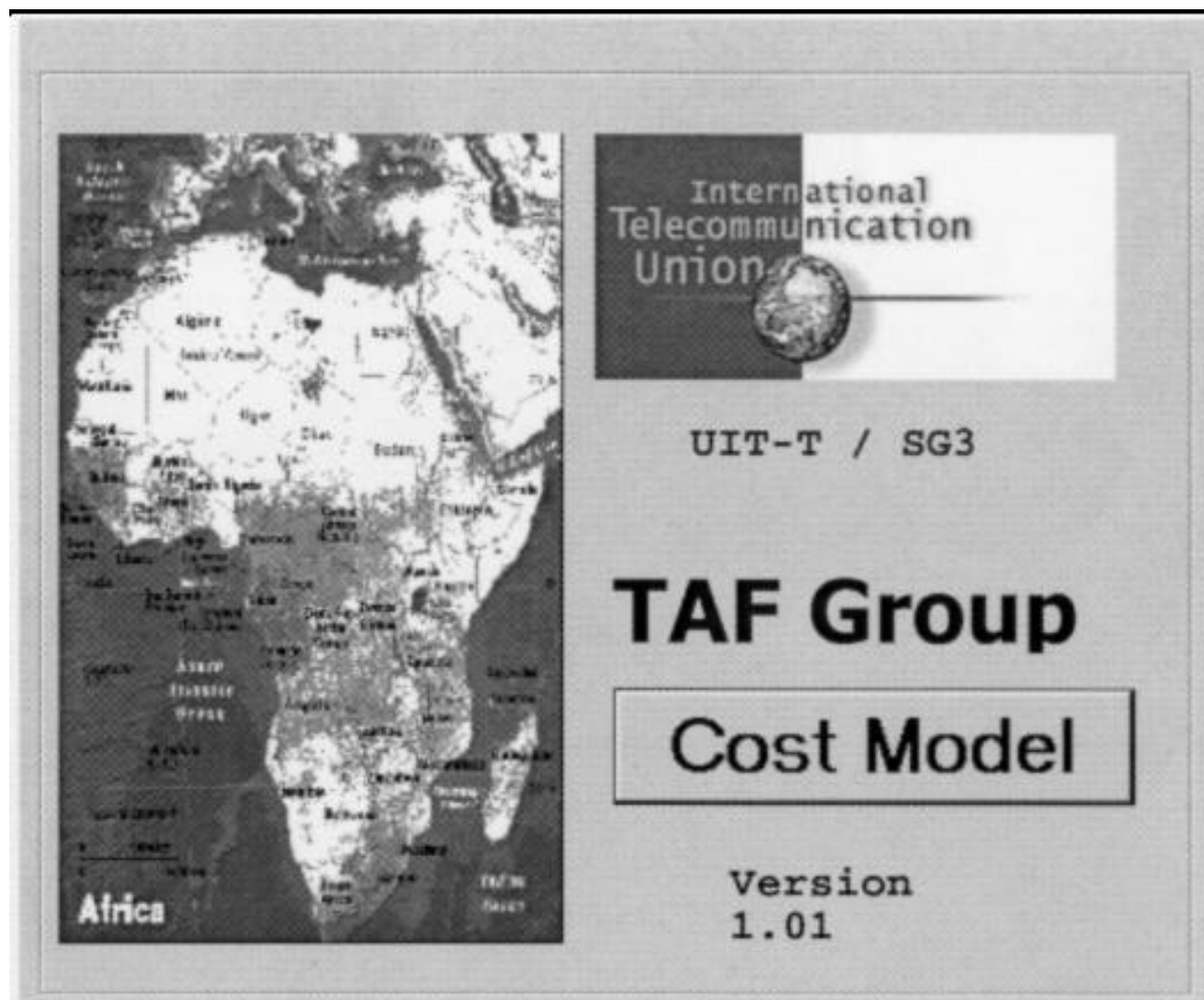




BDT



Pape Gorgui TOURÉ



BDT

Générales | Comptabilité | Trafic | Coûts

Période et entité concernées

Année (AAAA) : 1998

Pays : Sénégal

Administrat : sonatel

Connexion au réseau Internet

☒ J'ai une connexion Internet

OK Annuler



BDT

General | Accounting | Traffic | Costs

☐ I have got the needed data from Analytic Accounting

☐ I can identify the cost of the different components of my network

☐ The costs of the services other than the Telephone are not included in the figures I will provide later

☐ The common costs can be directly affected to the right services by using an advanced cost distribution mechanism like "ABC"

OK Cancel



BDT

General | Accounting | Traffic | Costs

☐ I have got, expressed in minutes, the traffic of all the services following an exhaustive observation of the communication data in my network

☒ I know the international traffic (incoming and outgoing) expressed in minutes

☒ I know the volume of the sub-regional traffic (incoming and outgoing), expressed in minutes

☐ I know the volumes expressed in minutes of the urban traffic and the interurban traffic

☒ I shall use this geographical correction coefficient

OK Cancel



BDT

General | Accounting | Traffic | **Costs**

Average annual value of one SDR expressed in local currency:

☒ I shall consider the trend of the cost of the equipments

☒ I shall not apply the billing costs the international incoming traffic

☒ The cost of actions engaged to recover the unpaid international settlements will only be applied to the international incoming traffic

☒ The cost of international accounting will not be applied to the domestic services traffic

☒ The cost of advertisement will be shared by all the services

☒ The return on assets does not include taxes and levies

☒ Tariffs calculation

☒ Termination charge
☐ Interconnection charge

OK Cancel



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Click on the
button

Enter all the costs coming
from general accounting

Enter the data related to the
cost structure of the network

Estimate the International /
Sub-regional incoming
traffic

Estimate the domestic traffic

Continue....



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Costs coming from General accounting data

Buyings and stocks variations	6,619,000,000
Transports	198,000,000
External services received:	8,480,000,000
levies and taxes	1,428,000,000
Salaries and wages	11,595,000,000
Other costs	3,108,000,000
Financial costs and alike	2,250,000,000
Annual depreciation:	15,490,000,000
Annual reserves	3,719,000,000
TOTAL	52 927 000 000

Non telephone costs to be subtracted (%)



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Distribution of the cost of the network equipments

International Transmission	7.07%
International Switching(%)	5.04%
National Switching(%)	19.06%
National Transmission (%)	14.04%
Access Network (%)	18.12%
Other assets (%)	36.66%
TOTAL	

OK

Cancel



Share of the Capital city in the international traffic (%):

Share of the international originated transit traffic (%):

Share of the sub-regional originated transit traffic (%):

Share of the whole transit traffic destined to the sub-region:

International+Sub-regional outgoing traffic (minutes):

Results

Urban traffic:

Interurban traffic:

Sub-region

Capital city

Provinces

Calculate **Validate**



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Terminal traffic data		Transit Traffic		Costs of marketing and sales	
Urban traffic:	428,436,196	Int->Sreg	2,178,160	Service development	56,000,000
Interurban Traffic:	232,401,840	Int->Int	544,540	Sales	345,000,000
Outgoing Sub-reg Traffic	6,806,748	SReg->SReg	933,497	Advertisement	320,000,000
Incomming Sub-reg. Traffic:	7,779,141	SReg -> Int	233,374	Lines production	2,500,000,000
Outgoing Internation. Traffic:	74,679,755			Billing	567,000,000
Incoming Internation. Traffic:	74,679,755			Customer Care	100,000,000
Share of the capital in the urban traffic	88%				
Share of the Capital in the International Traffic:	75%	Planning and Engineering 250,000,000			
Share of the International traffic of the Capital using a segment of the national transmission network	1%	Other support costs 2,600,000,000			
Specific expenses		International activity costs			
Reserves for domestic uncollectibles	3,595,000,000	International activities follow-up:		150,000,000	
Reserves for international uncollectibles	150,000,000	International Accounting:		30,000,000	
		Third parties international service costs		1,200,000,000	
Cancel		Next ...			



Données de coûts du réseau

	Depreciation	Current Cost Adjustment	Operation and maintenance costs	TOTAL	Cost CAGR	Depreciation delay	
						Real	Convened
International Transmission:	980,565,122	0	3,147,945,983	4,128,511,105	%	10	10
International Switching:	700,035,355	0	2,247,350,467	2,947,385,822	%	10	10
National Transmission:	1,953,622,450	0	6,271,789,403	8,225,411,852	%	10	10
National Switching:	2,654,502,026	0	8,521,850,107	11,176,352,133	%	10	10
Access Network	2,521,934,678	0	8,096,264,041	10,618,198,718	%	10	10
TOTAL:	8,810,659,631	0	28,285,200,000	37,095,859,631			
	Other depreciations	Net assets					
	5,130,340,369	120,000,000,000					

Autres données de gestion

Interconnection charges:	1,200,000,000	LMT Debts	9,305,000,000	Installed capacity	156,000	Extension delay	2
Average interest rate (%)	8.5%	Capital employed	141,000,000,000	Capacity in Use	126,000	Average annual monetary depreciation	2.19%
Expected return on capital:	15.5%	Levies on the assets (%)	%	Lines in use annual growth rate (%):	15.5%		

Previous

Validate

Terminate



Données de coûts du réseau							
	Depreciation	Current Cost Adjustment	Operation and maintenance costs	TOTAL	Cost CAGR	Depreciation delay	
						Real	Convened
International Transmission:	985,481,745	115,378,756	1,649,190,928	2,750,051,429	%	10	10
International Switching:	703,161,550	82,325,122	1,176,731,741	1,962,218,413	%	10	10
National Transmission:	1,957,355,149	229,164,267	3,275,608,474	5,462,127,890	%	10	10
National Switching:	2,657,841,364	311,176,164	4,447,863,076	7,416,880,604	%	10	10
Access Network	2,526,274,432	295,772,501	4,227,687,520	7,049,734,454	%	10	10
TOTAL:	8,830,114,241	1,033,816,809	14,777,081,739	24,641,012,790			
	Other depreciations	Net assets					
	5,110,885,759	120,000,000,000					

Autres données de gestion					
Interconnection charges:	1,200,000,000	LMT Debts	9,305,000,000	Installed capacity	156,000
Average interest rate (%)	8.5%	Capital employed	141,000,000,000	Capacity in Use	126,000
Expected return on capital:	15.2%	Levies on the assets (%)	%	Lines in use annual growth rate (%):	15.2%
				Extension delay	2
				Average annual monetary depreciation	2.19%



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Urban in the Capital 376,267,331	Urban in the Provinces 52,168,865	Interurban 232,401,840
Capital to Sub-region 5,105,061	Sub-region to Capital 5,834,356	Internat -> Internat 544,540
Sub-region to Provinces 1,944,785	Province to Sub-region 1,701,687	Internat -> Sub-region 2,178,160
International to Capital 56,009,816	International to Province 18,669,939	Sub-region -> Internat 233,374
Capital to International 18,669,939	Province to International 6,223,313	Sub-region to Sub-region 933,497
OK		



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International Transmission:	2,750,051,429
International Switching	1,962,218,413
National Switching	7,416,880,604
National Transmission	5,462,127,890
Access Network	7,049,734,454
Invested Capital Cost	17,517,121,852
Other Common Costs	10,586,885,759
Inefficiency Cost	0

OK

Costs specific to ...
International incoming Traffic
150,000,000
The Whole Internat.Traffic
180,000,000
Far internat. Traffic
1200000000
Locally Originated Traffic
4,607,000,000
Incoming
1,200,000,000



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	Urban	Interurban	SubRegIN	SubRegOUT	InternatIN	InternatOUT	IntToInt	IntToSReg	SRegToInt	SRegToS
IntTransm	0	0	0	0	1,992,490,092	664,163,364	29,057,147	58,114,294	6,226,532	
IntSwitch	0	0	129,305,991	113,142,742	1,241,337,513	413,779,171	9,051,419	36,205,677	3,879,180	15,516
NatTransm	0	4,584,253,026	153,447,800	134,266,825	379,322,962	126,440,987	0	42,965,384	4,603,434	36,827
NatSwitch	4,100,222,828	2,224,133,581	74,447,986	65,141,988	714,700,665	238,233,555	0	0	0	
AccessNetw	3,897,255,960	2,114,035,802	70,762,705	61,917,367	679,321,965	226,440,655	0	0	0	
InvestedCap	9,635,510,472	5,226,706,770	174,952,528	153,083,462	1,679,544,267	559,848,089	12,246,677	48,986,708	5,248,576	20,994
CommonCosts	5,823,448,022	3,158,883,516	105,736,687	92,519,601	1,015,072,193	338,357,398	7,401,568	29,606,272	3,172,101	12,688
SpecInt	0	0	11,861,614	10,378,913	113,871,499	37,957,166	830,313	3,321,252	355,848	1,423
SpecFarInt	0	0	0	0	874,051,593	291,350,531	6,373,293	25,493,171	2,731,411	
SpecLocOri	2,850,104,184	1,546,016,568	0	45,280,820	0	165,598,427	0	0	0	
SpecIntIN	0	0	13,513,514	0	129,729,730	0	945,946	3,783,784	405,405	1,621
Interconnection	691,679,749	375,196,232	12,558,870	0	120,565,149	0	0	0	0	
Inefficiency	0	0	0	0	0	0	0	0	0	

OK



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Services	sonatel 1998	Averages of the TAF Group	Averages of the best 10	Cost range of the best 10 of each	
				Minimum	Maximum
Urban	63.02	.	.	.	.
Interurban	82.74	.	.	.	.
Incoming International	119.71	.	.	.	.
Outgoing International:	123.01	.	.	.	.
Incoming Sub-regional:	95.97	.	.	.	.
Outgoing Sub-regional:	99.27	.	.	.	.
Cost of transit	Int -> Int : 121.03	Int -> SReg: 114.08	SReg->Int: 114.08	SReg -> SRég: 95.42	
Cost of network elements	IntTrans 63.76	IntSwitch 39.72	NatTransm 47.14	NatSwitch 25.28	AccessNet 24.03

Compare with the
results of the other TAF
Group members

OK



BDT

Services	sonatel 1998	Averages of the TAF Group	Averages of the best 10	Cost range of the best 10 of each	
				Minimum	Maximum
Urban	63.02	37.04	36.37	7.04	65.75
Interurban	82.74	92.69	90.97	20.6	173.63
Incoming International	119.71	164.1	157.47	26.96	227.85
Outgoing International:	123.01	182.94	179.17	26.96	253.52
Incoming Sub-regional:	95.97	163.93	155.91	31.28	217.96
Outgoing Sub-regional:	99.27	170.05	161.51	31.28	261.69
Cost of transit	Int -> Int :	Int -> SReg:	SReg->Int:	SReg -> SRég:	
	121.03	114.08	114.08	95.42	
Cost of network elements	IntTrans	IntSwitch	NatTransm	NatSwitch	AccessNet
	63.76	39.72	47.14	25.28	24.03

Compare with the
results of the other TAF
Group members

OK



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Levies on the benefits	12,000,000,000
Universal Services Obligation Costs:	5.%
Price of a minute of urban communication:	38.
Price of a minute of interurban communication:	82
Monthly subscription:	2,500
Average price of a minute of incoming international traffic:	410.
Average price of a minute of outgoing international traffic:	340.
Average price of a minute of incoming sub-regional traffic:	164.
Price of a minute of outgoing sub-regional traffic:	211.
OK	Cancel



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International operator:		int	
Traffic		Settlement rate in SDR	
Incoming:	9,000,000	0.5	☒ International ☐ Sub-regional Price of a minute: Regular Reduced 800. 600.
Outgoing:	7,000,000	0.5	

int 01	sreg 13
int 16	sreg 14
int 17	sreg 15
int 18	
int 19	
int 20	
int 21	
int 22	
int 23	
int 24	
int 25	
sreg 11	
sreg 12	

Add...

Clear

Modify

Delete

Validate



BDT

Terminal traffic	
Minute of urban traffic:	85.41
Minute of interurban traffic:	112.14
Minute of international incoming traffic:	171.3
Minute of international outgoing traffic:	166.72
Minute in sub-regional incoming traffic:	137.34
Minute of sub-regional outgoing traffic:	134.55

OK

Transit traffic	
Int <-> Int	173.19
Int <-> SReg	163.24
SReg <-> SReg	136.54