



D.Table 6.3-1 (2/6)

Note

	2,900.00
1 At 4, 5, 6 & 8 interface to Fixed network at PC, Mobile-to-Mobile traffic is to be carried by separate mobile	1,211.74
Call to fixed network except those to be terminated to AA area.	1,149.00
2 Calls to fixed phone except AA area & 1 above are to be processed through NSC.	1,898.58
3 Fix to mobile calls at 4, 5, 6 & 8 areas are to be routed at each PC.( same PC area only)	1,744.17
	2,708.42
4 20% of originating traffic of AA area is assumed to be terminated to NSC	1,092.92
5 30% of originating traffic of other PC area is assumed to be terminated to NSC	530.47
	1,751.36
6 Assumption of Mobile-phone related traffic distribution	

			2010	2015	2020
<u>AA area</u>					
<b>Mobile-phone(40m Erl)</b>	To mobile in AA area	16m Erl			
	To fixed in AA area	16m Erl			
	To fixed in other PC area	4m Erl			
	To mobile in other PC area	4m Erl			
<b>Fixed-phone (50m Erl)</b>	To mobile in AA area/other except 4,5,6&8	4m Erl	4.0	4.0	4.0
	To fixed in AA area	36m Erl	34.4	31.2	28.0
	To fixed in other PC area	10m Erl	9.6	8.8	8.0
<b>Total</b>		<u>50.0</u>	<u>48.0</u>	<u>44.0</u>	<u>40.0</u>
<u>Other PC area</u>					
<b>Mobile-phone (40m Erl)</b>	To mobile in same PC area	12m Erl			
	To fixed in same PC area	16m Erl			
	To mobile in other area	6m Erl			
	To fixed in other area	6m Erl			
<b>Fixed-phone (50m Erl)</b>	To mobile in same PC area	4m Erl	4.0	4.0	4.0
	To fixed in same PC area	30m Erl	28.6	25.8	23.0
	To mobile in other area	1m Erl	1.0	1.0	1.0
	To fixed in other area	15m Erl	14.4	13.2	12.0
<b>Total</b>		<u>50.0</u>	<u>48.0</u>	<u>44.0</u>	<u>40.0</u>

D.Table6.3-1 (3) National Traffic Distribution Matrix (2005 Demand Base)

From	D 2005	Note	To								Mobile				Distribute to NSC	Remain in IP net	PC/T-SC		
			AA Area	2 Nazare	3 Dessie	4Mekele	5 D. Dawa	6Shashe	7 Jimma	7 Nekem	8 Bahir D	Mekele	D. Dawa	Shashe				Bahir D	
1 Addis Ababa	543,417		Other paper													5434.17	1509.57	2242.08	
C	51,045																		
N	99,085																		
E	76,936																		
W	119,173																		
S	119,770																		
SW	77,408																		
No assignment of circuit, but connection via NSC																			
2 Nazareth	46,700															934	654	280	
3 Dessie	29,866						31.88									565.44	315.44	250	
4 Mekele	64,507					33.14										702.72	452.72	250.00	
5 Dire Dawa	41,872												209.36			474.23	244.23	230.00	
6 Shashemine	61,832													309.16		688.88	328.88	360.00	
7 Jimma	31,777									8.33						627.21	377.21	250.00	
7 Nekempte	15,812								8.19							308.05	188.05	120.00	
8 Bahir Dar	73,613	365,979														845.60	615.60	230.00	
Rural	27,073															406.10	406.10		
Total	936,469																5,552.23	5,091.80	4,212.08
Mob Addis Ababa	127,035		Other paper													508.14	536.37	700.00	
2 Nazare	15,474	Th. AA MSC														137.00			
3 Dessie	7,489	Th. AA MSC														66.31			
4 Mekele	15,132						332.90									-			
5 Dire Dawa	9,252							203.54								-			
6 Shashemine	11,760								258.72							-			
7 Jimma	5,553	Th. AA MSC														49.16			
7 Nekempte	3,525	Th. AA MSC														31.21		263.68	
8 Bahir Dar	18,245															-			
Total	213,465															-			
NS Fix From AA		5,942																	
From PC		5,836																	
			4,010.39	232.94	758.26	484.93	1,047.38	679.87	1,003.95	515.96	256.74	1,195.24				11,778.23	5,628.17	4,912.08	
			2,510.39	691.20	353.90	148.97	321.76	208.86	308.42	158.51	78.87	367.19				7,378.23			
			1,500.00	300.00	280.00	430.00	430.00	680.00	270.00	130.00	380.00				4,400.00				





