

10-4 BMA Traffic Matrix in 2007 (10/24)

		48	49	50	51	52	53	54	55	56	57	58
Switch Unit Name		RBN1	PYT2	ITM2	BGN2	LTP1-2	LTP2-2	DNM2	TYB1	RST1	NWN1	BGS2
74 Samsen 3	SMS3	2.54	22.69	3.92	4.63	4.73	3.10	4.65	2.17	0.50	0.82	10.52
75 Pathum Wan 3	PTW3	7.34	23.97	5.79	4.80	6.01	3.65	7.31	3.50	0.80	2.13	2.55
76 Surawong 6	SRW6	49.49	147.47	24.55	20.82	30.41	15.58	44.47	21.77	4.94	17.58	9.70
77 Chaiyaphruk 3	CYP3	1.10	5.28	1.85	1.50	1.33	2.45	0.46	0.14	0.03	0.67	3.15
78 Phra Khanong 3	PKG3	1.92	7.77	2.33	1.64	3.33	4.80	0.94	0.35	0.08	0.68	4.77
79 On Nut 2	ONT2	3.20	14.62	4.76	2.75	4.99	4.14	4.57	2.18	0.49	0.76	5.03
80 Trok Chan 3	TKC3	3.32	4.30	1.13	1.18	1.12	1.10	1.32	0.66	0.15	0.48	1.36
81 Thung Mahamek 3	TMM3	6.19	25.24	4.31	2.35	6.03	2.52	3.16	1.33	0.31	0.89	2.22
82 Sathupradit 3	STD3	3.42	3.90	1.12	0.72	1.00	0.95	1.24	0.59	0.14	0.53	0.47
83 Thanon Tok 3	TNT3	5.49	5.75	1.75	1.22	1.35	1.09	2.31	1.15	0.26	0.24	0.62
84 Khlong Toei 1	KT12	13.53	40.71	9.10	6.88	8.43	4.90	11.51	5.40	1.23	3.05	11.85
85 Hua Mak 3	HAM3	10.50	61.50	13.88	12.95	16.08	16.57	17.16	8.39	1.90	7.71	5.92
86 Khlong Chan 4	KGC4	7.94	40.38	14.23	11.00	14.48	16.34	15.86	7.79	1.76	3.88	4.56
87 Ramkhamhaeng 2	RKN2	0.65	3.32	1.17	0.91	1.19	1.34	1.30	0.62	0.14	0.32	0.38
88 Bang Chan 2	BGC2	5.58	28.94	9.59	9.10	11.55	11.75	16.68	8.30	1.87	2.04	13.49
89 Lat Krabang 2	LKG2	2.19	17.09	2.25	0.90	2.57	1.77	2.42	1.20	0.27	0.92	1.94
90 Bang Na 4	BNA4	9.05	35.36	8.64	5.80	7.91	4.94	7.77	3.75	0.84	2.49	11.58
91 Samut Prakan 4	SPK4	3.41	8.97	1.81	2.24	1.77	1.75	3.02	1.56	0.35	1.15	1.90
92 Bang Pu 2	BGU2	0.91	2.41	0.48	0.59	0.48	0.46	0.81	0.38	0.09	0.31	0.50
93 Pu Chao Saming Pturai 3	PSP3	16.79	32.64	7.13	6.00	6.12	5.10	10.34	5.21	1.16	7.07	17.28
94 Bang Phli 4	BPL4	12.10	21.41	5.32	6.10	8.61	5.55	9.82	4.94	1.13	5.43	12.09
95 Bang Phli Bang Bo 2	BBB2	1.76	3.12	0.77	0.89	1.25	0.80	1.42	0.68	0.16	0.80	1.75
96 Thon Buri 2	TNB2	6.35	7.46	1.40	1.21	1.81	1.23	2.77	1.40	0.32	0.67	0.85
97 Lat Ya 2	LTY2	10.71	12.12	2.38	1.72	2.14	1.52	2.70	1.31	0.30	0.59	1.07
98 Phasi Charoen 3	PSN3	2.10	3.63	0.36	0.72	0.62	0.75	1.82	0.92	0.21	1.30	0.86
99 Bang Phlat 4	BGT4	11.49	33.75	6.85	8.19	8.57	5.33	9.77	4.84	1.10	2.53	9.09
100 Bang Bue Thong 3	BBT3	9.81	28.87	5.83	7.01	7.34	4.54	8.37	4.26	0.94	2.18	7.79
101 Charan Sanitwong 3	CSW3	6.72	16.18	3.43	3.05	4.21	2.84	5.01	2.46	0.57	0.85	2.84
102 Bang Khae 3	BKE3	5.93	7.43	1.18	1.29	1.28	1.02	1.33	0.58	0.14	0.55	2.77
103 Nong Khaem 2	NGK2	6.64	9.44	1.45	1.81	2.24	0.98	3.23	1.58	0.35	1.53	4.01
104 Muban Setaikit 2	MSK2	9.89	14.04	2.15	2.70	3.34	1.46	4.83	2.29	0.53	2.29	5.96
105 Dao Khanong 3	DKN3	17.69	7.07	1.89	1.13	0.73	1.16	1.48	0.66	0.16	0.30	1.55
106 Phra Pradaeng 3	PPG3	44.18	13.04	2.14	2.29	2.95	2.11	3.75	1.84	0.41	2.02	7.18
107 Ekkachai 3	EKC3	79.85	35.86	8.55	6.39	6.93	5.98	8.46	4.17	0.94	3.04	17.46
108 Rat Burana 2	RBN2	84.31	12.45	2.54	3.27	3.25	1.84	4.87	2.38	0.54	0.84	5.89
109 Phahonyothin 4	PYT4	8.82	229.54	37.43	28.84	35.14	17.42	34.30	16.41	3.74	7.92	39.05
110 Inthamara 3	ITM3	5.36	60.82	40.20	10.18	15.09	10.47	13.27	6.27	1.44	1.50	15.95
111 Bang Khen 3	BGN3	1.74	21.54	5.04	28.56	8.61	4.52	7.17	3.61	0.82	1.58	2.86
112 Lat Phrao 1-3	LTP1-3	2.39	18.70	8.01	10.64	23.27	8.01	14.51	7.17	1.63	1.80	2.55
113 Lat Phrao 2-3	LTP2-3	2.70	18.18	6.24	6.94	8.76	18.24	6.06	2.92	0.66	0.75	2.57
114 Don Muang 3	DNM3	5.72	71.99	12.25	19.66	22.36	10.29	245.40	122.85	27.89	17.15	18.95
115 Thanyaburi 2	TYB2	0.68	8.43	1.44	2.32	2.63	1.21	28.84	14.40	3.27	2.02	2.24
116 Rangsit 2	RST2	0.39	4.95	0.84	1.35	1.54	0.71	16.88	8.43	1.92	1.18	1.30
117 Nawa Nakhon 2	NWN2	1.89	11.12	2.23	3.82	2.44	1.34	19.07	9.76	2.22	36.14	26.88
118 Bang Su 3	BGS3	6.34	44.30	9.18	9.45	12.20	5.76	9.93	4.83	1.08	43.85	59.25
119 Ngam Wong Wan 3	NWW3	3.19	31.67	8.12	12.26	9.75	5.77	12.35	6.03	1.37	1.89	24.34
120 Nonthaburi 3	NTB3	2.59	11.89	4.62	8.24	6.41	3.53	16.55	7.72	1.75	3.77	37.74
121 Lak Si 3	LKS3	3.99	71.84	7.40	14.72	10.21	6.52	46.64	23.49	5.32	11.89	4.17
122 Ram Inthra 3	RIT3	4.59	37.95	8.67	12.62	13.75	13.57	21.19	10.30	2.33	1.68	11.43
123 Pak Kret 2	PKK2	4.48	16.44	4.41	6.85	3.93	5.10	10.42	4.83	1.09	3.61	12.19
124 Pathum Thani 2	PTT2	2.75	10.09	2.71	4.22	2.42	3.14	6.41	2.94	0.67	2.23	7.51
125 Bang Phun 2	BAN2	0.45	1.67	0.45	0.70	0.40	0.52	1.06	0.48	0.11	0.37	1.25
126 Chaeng Watthana 2	CWT2	3.23	37.65	7.79	11.55	11.12	5.65	20.31	9.95	2.25	2.34	17.26
127 Lak Si TC	LSTC	0.00	0.00	0.00	92.29	99.07	183.25	585.68	308.12	67.39	37.68	73.61
128 Phra Khanong TC	PNTC	0.00	516.74	89.82	0.00	15.71	14.30	0.00	0.00	0.00	0.00	8.49
129 Lat Ya TC	LYTC	83.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130 Lak Si International	LSIT	0.00	0.00	0.00	6.19	7.47	4.61	40.10	21.04	4.60	42.52	13.36
131 Phra Khanong International	PNIT	0.00	42.67	6.12	0.00	0.85	0.14	0.00	0.00	0.00	0.00	0.66
132 Lat Ya International	LYIT	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC Total	TOTAL	1,673.30	5,929.26	1,195.36	1,231.31	1,367.95	1,062.61	2,811.57	1,444.61	316.00	759.21	1,532.13

10-4 BMA Traffic Matrix in 2007 (11/24)

		59	60	61	62	63	64	65	66	67	68	69	70
Switch Unit Name		NWW2	NTB2	LKST4	LKS2	RTT1	RTT2	PKK1	PTT1	BANI	CWT1	PNC4	ASD3
1 Phloen Chit 3	PNC3	42.69	50.06	10.78	20.11	6.81	9.76	21.69	12.30	4.27	24.40	466.65	183.67
2 Asok Din Daeng 2	ASD2	33.83	41.16	9.53	23.74	4.46	6.37	13.18	7.48	2.59	18.17	90.02	250.10
3 Sukhumwit 1	SKW1	12.08	12.44	4.72	14.01	2.29	3.29	5.90	3.34	1.16	6.61	87.01	47.01
4 Samran Rat 4	SRR4	34.51	51.32	10.66	27.90	5.52	7.96	27.63	15.68	5.43	20.89	161.77	145.72
5 Krung Kasem 3	KKM3	47.00	32.68	21.13	42.50	3.35	4.77	35.33	20.03	6.95	27.05	121.27	155.03
6 Samsen 2	SMS2	10.06	17.26	2.09	3.08	1.29	1.88	6.87	3.90	1.35	5.01	12.86	25.49
7 Pathum Wan 2	PTW2	12.45	15.68	4.84	13.26	2.25	3.24	7.76	4.41	1.53	8.68	87.04	60.06
8 Surawong 4	SRW4	29.85	32.47	11.45	32.92	4.65	6.71	19.25	10.92	3.79	22.36	271.15	150.58
9 Surawong 5	SRW5	18.22	24.60	8.17	26.05	3.34	4.66	12.00	6.80	2.32	14.85	178.84	100.61
10 Chaiyaphruk 2	CYP2	7.62	8.19	1.51	2.76	1.43	2.05	1.55	0.88	0.31	3.87	26.89	24.78
11 Phra Khanong 2	PKG2	7.61	5.70	1.96	3.93	1.63	2.31	2.51	1.42	0.50	2.95	22.76	23.79
12 On Nut 1	ONT1	6.48	6.33	1.64	3.50	2.09	3.00	2.55	1.44	0.50	2.84	20.69	19.61
13 Trok Chan 2	TKC2	5.38	10.67	2.33	5.55	1.11	1.60	4.20	2.39	0.83	3.21	33.33	26.76
14 Thung Mahamek 2	TMM2	5.70	4.26	1.56	2.56	0.51	0.72	1.90	1.08	0.38	4.25	27.24	20.17
15 Sathupradit 2	STD2	2.64	3.67	0.86	2.23	0.42	0.58	1.30	0.73	0.26	1.18	10.61	11.18
16 Thanon Tok 2	TNT2	2.65	5.47	1.14	1.44	0.98	1.41	2.55	1.43	0.50	1.41	22.07	15.12
17 Khlong Toei 1	KTT1	8.92	8.83	3.58	11.78	1.61	2.30	4.11	2.33	0.81	3.52	55.18	36.07
18 Hua Mak 2	HAM2	25.62	35.92	8.22	16.93	9.29	13.34	11.28	6.42	2.22	12.46	95.38	110.30
19 Khlong Chan 2	KGC2	9.10	9.33	2.24	3.70	5.49	7.88	3.52	1.99	0.69	4.90	19.55	25.77
20 Khlong Chan 3	KGC3	8.14	8.10	2.71	5.04	4.59	6.51	5.10	2.89	0.99	4.74	22.12	26.73
21 Rankamhaeng 1	RKN1	3.66	3.68	1.20	2.34	2.05	2.95	2.28	1.28	0.44	2.13	9.89	11.95
22 Bang Chan 1	BGC1	9.49	10.48	4.57	11.49	6.37	9.16	8.14	4.62	1.61	3.50	15.85	26.45
23 Lat Krabang 1	LKG1	3.53	4.99	0.73	1.60	0.42	0.63	0.87	0.50	0.17	3.12	21.03	12.69
24 Bang Na 2	BN2	4.93	5.16	1.17	2.80	1.16	1.68	1.99	1.13	0.39	2.04	15.40	15.79
25 Bang Na 3	BNA3	8.72	7.51	2.38	5.96	2.06	3.07	4.19	2.36	0.82	2.96	24.88	23.61
26 Samut Prakan 2	SPK2	0.77	1.33	0.19	0.42	0.14	0.21	0.32	0.18	0.06	0.22	2.93	2.82
27 Samut Prakan 3	SPK3	8.68	6.24	2.35	4.95	1.32	1.86	3.86	2.17	0.75	2.92	33.05	26.78
28 Bang Pu 1	BGU1	3.04	2.25	0.82	1.59	0.47	0.59	1.34	0.78	0.28	1.02	11.55	9.35
29 Pu Chao Saming Phrai 2	PSP2	6.76	7.89	1.75	4.91	1.45	2.05	4.55	2.58	0.89	2.26	27.24	25.29
30 Bang Phli 1	BPL1	1.89	2.05	0.74	1.98	0.37	0.53	1.09	0.61	0.21	0.84	8.07	5.49
31 Bang Phli 2	BPL2	7.70	8.23	3.02	8.68	1.53	1.95	4.40	2.56	0.92	3.43	33.08	22.51
32 Bang Phli Bang Bo 1	BBB1	1.31	1.43	0.51	1.40	0.26	0.39	0.76	0.42	0.14	0.58	5.57	3.81
33 Thon Buri 1	TNB1	5.40	6.14	1.88	3.75	0.96	1.38	2.68	1.52	0.53	2.72	18.10	22.24
34 Lat Ya T8	LYT8	3.97	5.58	0.93	2.30	0.43	0.61	2.37	1.35	0.47	2.01	12.77	14.38
35 Phasi Charoen 2	PSN2	4.16	5.07	0.79	2.33	0.34	0.49	1.29	0.73	0.26	1.02	4.21	4.66
36 Bang Phlat 2	BGT2	17.97	33.09	2.78	6.20	2.08	2.98	11.81	6.71	2.33	6.14	23.08	28.05
37 Bang Phlat 3	BGT3	13.15	26.85	2.18	6.14	1.53	2.59	8.77	5.03	1.85	4.35	17.50	24.94
38 Bang Bue Thong 1	BBT1	1.54	3.12	0.26	0.63	0.18	0.27	1.04	0.59	0.21	0.51	2.06	2.93
39 Bang Bue Thong 2	BBT2	21.75	42.86	3.57	7.55	2.50	4.25	14.73	8.06	2.84	7.26	28.87	40.93
40 Charan Sanitwong 2	CSW2	12.17	16.83	2.23	5.62	2.04	2.90	4.75	2.70	0.94	4.68	17.91	35.08
41 Bang Khae 2	BKE2	5.87	7.79	1.17	2.91	1.36	1.97	2.57	1.45	0.51	3.01	7.64	12.87
42 Nong Khaem 1	NGK1	2.87	4.55	0.75	1.96	0.54	0.75	1.92	1.10	0.38	1.31	10.09	9.21
43 Muban Sattakit 1	MSK1	4.12	6.56	1.08	2.58	0.78	1.09	2.77	1.56	0.53	1.88	14.50	13.24
44 Dao Khanong 2	DKN2	5.60	6.62	1.06	2.69	0.65	0.91	4.10	2.31	0.82	2.40	16.62	15.81
45 Phra Pradaeng 2	PPG2	8.80	12.29	2.41	8.05	1.38	1.98	8.40	4.79	1.67	3.92	32.30	28.67
46 Ekkachai 1	EKC1	3.61	5.45	0.97	2.36	0.77	1.09	2.19	1.24	0.43	1.30	11.42	11.79
47 Ekkachai 2	EKC2	4.22	6.34	1.14	3.06	0.91	1.29	2.59	1.45	0.52	1.51	13.38	13.82
48 Rat Burana 1	RBN1	4.82	8.42	1.36	3.38	1.37	1.97	6.03	3.41	1.19	4.13	18.94	19.21
49 Phahonyothin T2	PYT2	61.46	59.61	18.89	45.79	11.19	16.07	27.01	15.31	5.33	36.59	177.30	178.45
50 Inthamara 2	ITM2	13.74	7.78	2.93	5.92	2.04	2.94	4.83	2.74	0.96	6.35	19.98	30.72
51 Bang Khen 2	BGN2	24.95	16.34	4.94	3.66	3.84	5.51	6.83	3.87	1.35	10.69	14.06	29.68
52 Lat Phrao 1-2	LTP1-2	18.79	16.05	5.49	10.67	3.28	4.73	7.26	4.12	1.43	8.15	29.85	39.27
53 Lat Phrao 2-2	LTP2-2	14.62	8.73	3.48	6.88	4.03	5.81	4.06	2.30	0.80	5.36	18.23	22.61
54 Don Muang 2	DNM2	24.53	28.53	19.72	46.27	5.90	8.50	30.11	17.09	5.93	20.42	43.05	52.24
55 Thanyaburi 1	TYB1	6.62	7.47	5.22	12.46	1.48	2.15	8.22	4.64	1.59	5.38	11.16	12.98
56 Rangsit 1	RST1	2.75	3.03	2.16	5.27	0.62	0.89	3.40	1.93	0.67	2.22	4.61	5.37
57 Nawa Nakhon 1	NWN1	4.61	3.21	4.49	16.37	0.74	1.08	3.61	2.06	0.71	2.54	24.97	9.06
58 Bang Su 2	BGS2	37.02	93.46	6.78	18.83	3.10	4.39	18.44	10.48	3.63	11.53	29.55	46.16
59 Ngam Wong Wan 2	NWW2	106.31	86.39	7.77	15.69	4.57	6.55	19.69	11.17	3.88	19.15	28.71	36.83
60 Northaburi 2	NTB2	28.39	974.09	4.14	1.05	6.28	8.88	41.81	23.75	8.20	17.57	25.89	43.85
61 Lak Si T4	LKST4	7.16	5.72	7.04	12.39	2.08	3.00	4.90	2.78	0.97	3.57	7.23	14.17
62 Lak Si 2	LKS2	17.14	14.73	16.51	54.51	3.87	5.47	16.19	9.26	3.22	7.09	22.20	28.04
63 Ram Inthra 1	RTT1	4.66	3.22	2.45	3.80	8.09	11.62	1.80	1.02	0.36	2.85	4.55	8.57
64 Ram Inthra 2	RTT2	5.74	3.93	3.01	4.62	10.00	14.27	2.22	1.29	0.42	3.50	5.60	10.60
65 Pak Kret 1	PKK1	20.82	67.01	3.41	3.79	1.70	2.41	147.34	83.62	29.01	12.32	11.96	18.37
66 Pathum Thani 1	PTT1	10.13	32.60	1.66	1.91	0.83	1.15	71.72	40.69	14.11	6.00	5.82	8.94
67 Bang Phun 1	BAN1	4.10	13.20	0.67	0.88	0.33	0.49	29.02	16.46	5.70	2.43	2.36	3.61
68 Chaeng Watthana 1	CWT1	20.88	24.55	4.73	8.27	2.54	3.64	16.33	9.28	3.21	26.95	14.92	22.54
69 Phloen Chit 4	PNC4	29.38	32.76	7.43	14.25	4.45	6.37	14.06	7.97	2.76	15.75	336.76	122.91
70 Asok Din Daeng 3	ASD3	41.01	53.71	12.85	33.91	5.68	8.11	17.57	9.98	3.46	23.87	115.08	327.59
71 Sukhumwit 2	SKW2	7.70	7.93	3.00	8.93	1.46	2.09	3.76	2.13	0.74	4.21	55.43	29.95
72 Samran Rat 5	SRR5	9.72	17.14	3.48	9.09	1.76	2.55	8.99	5.10	1.77	6.58	52.94	47.02
73 Krung Kasem 4	KKM4	15.51	8.65	7.45	14.94	0.94	1.33	12.68	7.19	2.50	9.37	39.61	51.88

10-4 BMA Traffic Matrix in 2007 (12/24)

		59	60	61	62	63	64	65	66	67	68	69	70
Switch Unit Name		NWW2	NTB2	LKST4	LKS2	RIT1	RIT2	PKK1	PTT1	BAN1	CWT1	PNC4	ASD3
74 Samsen 3	SMS3	8.40	11.45	1.55	2.63	1.06	1.54	4.66	2.64	0.92	4.14	11.16	20.55
75 Pathum Wan 3	PTW3	5.46	7.49	1.71	3.91	1.02	1.45	3.00	1.71	0.59	3.49	24.91	24.53
76 Surawong 6	SRW6	24.17	32.91	10.84	34.69	4.47	6.45	15.91	9.02	3.13	19.75	237.39	133.48
77 Chaiphruk 3	CYP3	2.21	2.87	0.42	0.87	0.44	0.63	0.42	0.24	0.08	1.01	6.99	7.01
78 Phra Khanong 3	PKG3	2.83	2.11	0.74	1.53	0.63	0.90	0.96	0.54	0.19	1.14	9.10	8.90
79 On Nut 2	ONT2	4.66	4.56	1.18	2.52	1.50	2.16	1.83	1.03	0.36	2.04	14.88	14.11
80 Trok Chan 3	TKC3	1.17	1.55	0.49	1.16	0.24	0.35	0.86	0.49	0.17	0.66	6.84	5.49
81 Thung Mahamek 3	TMM3	4.46	3.34	1.23	1.95	0.40	0.55	1.49	0.84	0.29	3.32	21.32	15.79
82 Sathupradit 3	STD3	1.17	1.64	0.40	1.08	0.20	0.28	0.63	0.35	0.12	0.56	4.83	4.63
83 Thanon Tok 3	TNT3	0.91	1.86	0.39	0.51	0.33	0.48	0.87	0.49	0.17	0.48	7.53	5.16
84 Khlong Toei 1	KT12	8.81	8.72	3.53	11.63	1.59	2.27	4.06	2.30	0.80	3.48	54.48	35.60
85 Hua Mak 3	HAM3	14.93	21.49	4.99	10.45	5.44	7.81	6.89	3.92	1.36	7.20	55.91	65.28
86 Khlong Chan 4	KGC4	11.91	12.00	3.94	7.62	6.72	9.63	7.45	4.22	1.46	6.94	32.28	39.04
87 Ramkhamhaeng 2	RKN2	0.98	0.99	0.32	0.63	0.55	0.79	0.61	0.34	0.12	0.57	2.65	3.20
88 Bang Chan 2	BGC2	11.00	12.14	5.29	13.31	7.38	10.61	9.43	5.36	1.86	4.05	18.36	30.64
89 Lat Krabang 2	LKG2	3.23	4.57	0.67	1.46	0.39	0.58	0.80	0.46	0.15	2.86	19.24	11.61
90 Bang Na 4	BNA4	9.60	8.23	2.60	6.75	2.25	3.27	4.63	2.64	0.90	3.26	27.36	25.98
91 Samut Prakan 4	SPK4	3.60	2.59	0.98	2.06	0.55	0.77	1.60	0.90	0.31	1.21	13.72	11.12
92 Bang Pu 2	BGU2	0.96	0.71	0.26	0.50	0.15	0.19	0.42	0.25	0.09	0.32	3.66	2.96
93 Pu Chao Saming Phrai 3	PSP3	8.17	8.89	2.14	6.81	1.78	2.52	6.33	3.58	1.24	2.48	35.33	29.80
94 Bang Phli 4	BPL4	7.24	7.88	2.85	7.61	1.41	2.04	4.17	2.35	0.82	3.23	30.97	21.08
95 Bang Phli Bang Bo 2	BBB2	1.05	1.15	0.41	1.13	0.21	0.32	0.61	0.34	0.11	0.47	4.50	3.08
96 Thon Buri 2	TNB2	1.87	2.13	0.65	1.30	0.33	0.48	0.93	0.53	0.18	0.94	6.27	7.70
97 Lat Ya 2	LYT2	2.81	3.95	0.66	1.62	0.30	0.43	1.68	0.95	0.33	1.42	9.03	10.17
98 Phasi Charoen 3	PSN3	2.27	1.74	0.32	1.10	0.21	0.31	0.65	0.37	0.13	0.62	2.41	2.43
99 Bang Phlat 4	BGT4	14.47	29.50	2.44	5.71	1.72	2.48	9.79	5.56	1.93	4.82	19.46	27.66
100 Bang Sue Thong 3	BBT3	12.45	25.18	2.08	5.12	1.46	2.16	8.37	4.76	1.67	4.10	16.61	23.65
101 Charan Sanitwong 3	CSW3	5.93	9.08	1.20	3.03	1.13	1.61	2.48	1.41	0.49	2.28	9.49	18.02
102 Bang Khac 3	BKE3	2.16	3.04	0.39	0.96	0.46	0.68	1.21	0.69	0.24	0.93	3.65	4.87
103 Nong Khaem 2	NGK2	2.54	4.03	0.66	1.74	0.47	0.66	1.70	0.97	0.33	1.16	8.92	8.14
104 Muban Sattakit 2	MSK2	3.78	6.01	0.99	2.37	0.71	1.00	2.54	1.43	0.49	1.72	13.29	12.13
105 Dao Khanong 3	DKN3	2.54	3.01	0.48	1.16	0.30	0.41	1.87	1.05	0.37	1.09	7.55	7.17
106 Phra Pradsang 3	PPG3	4.16	5.72	1.10	3.61	0.63	0.90	3.70	2.11	0.74	1.81	15.03	13.27
107 Ekkachai 3	EKC3	10.78	16.26	2.90	7.03	2.31	3.27	6.54	3.71	1.29	3.87	34.10	35.19
108 Rat Burana 2	RBN2	2.85	4.98	0.81	2.00	0.81	1.17	3.57	2.02	0.71	2.44	11.20	11.37
109 Phahonyothin 4	PYT4	29.89	29.61	9.10	22.41	5.60	8.05	13.45	7.62	2.66	17.32	88.40	87.98
110 Inthamara 3	ITM3	16.04	9.08	3.42	6.90	2.38	3.43	5.64	3.20	1.11	7.41	23.33	35.87
111 Bang Khen 3	BGN3	11.06	7.25	2.19	1.61	1.70	2.45	3.03	1.72	0.60	4.74	6.24	13.16
112 Lat Phrao 1-3	LTP1-3	9.67	9.13	3.07	5.77	1.76	2.53	4.09	2.32	0.81	4.28	16.73	22.14
113 Lat Phrao 2-3	LTP2-3	7.75	5.00	1.88	4.02	2.24	3.21	2.38	1.35	0.47	3.18	9.60	13.24
114 Don Muang 3	DNM3	23.98	26.50	18.82	46.23	5.36	7.74	29.67	16.84	5.84	19.38	40.27	46.87
115 Thanyaburi 2	TYB2	2.81	3.16	2.21	5.28	0.63	0.91	3.48	1.96	0.67	2.28	4.73	5.50
116 Rangsit 2	RST2	1.65	1.82	1.30	3.16	0.37	0.53	2.04	1.16	0.40	1.33	2.77	3.22
117 Nawa Nakhon 2	NWN2	3.76	2.61	3.66	13.35	0.60	0.88	2.94	1.68	0.58	2.07	20.36	7.39
118 Bang Su 3	BGS3	24.43	70.08	5.12	14.78	2.21	3.12	13.06	7.43	2.57	7.52	21.24	31.45
119 Ngam Wong Wan 3	NWW3	57.91	41.99	4.16	8.56	2.51	3.61	9.78	5.55	1.92	10.39	15.76	19.12
120 Nonthaburi 3	NTB3	7.77	266.58	1.13	0.30	1.72	2.43	11.44	6.50	2.24	4.81	7.08	12.00
121 Lak Si 3	LKS3	13.98	12.30	13.50	46.07	3.20	4.61	13.22	7.49	2.59	5.73	18.10	22.87
122 Ram Inthra 3	RIT3	14.71	10.16	7.75	12.00	25.57	36.70	5.67	3.22	1.13	9.02	14.37	27.08
123 Pak Kret 2	PKK2	16.24	52.28	2.66	2.95	1.33	1.88	114.94	65.23	22.63	9.61	9.33	14.33
124 Pathum Thani 2	PTT2	9.99	32.14	1.63	1.89	0.82	1.14	70.71	40.12	13.91	5.91	5.74	8.81
125 Bang Phun 2	BAN2	1.65	5.33	0.27	0.35	0.13	0.20	11.71	6.64	2.30	0.98	0.95	1.46
126 Chaeng Watthana 2	CWT2	23.38	27.50	5.29	9.26	2.84	4.08	18.30	10.39	3.60	30.19	16.71	25.25
127 Lak Si TC	LSTC	156.33	335.64	93.24	396.81	19.26	36.00	114.13	64.75	22.47	79.83	0.00	0.00
128 Phra Khanong TC	PNTC	0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	402.32
129 Lat Ya TC	LYTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	577.39	0.00
130 Lak Si International	LSIT	2.46	2.97	6.14	26.98	0.92	1.72	0.73	0.42	0.14	2.49	0.00	0.00
131 Phra Khanong International	PNIT	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.92
132 Lat Ya International	LYIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.61	0.00
IC Total	TOTAL	1,689.78	3,466.56	562.96	1,519.01	320.03	468.30	1,396.90	792.44	275.03	865.29	5,311.31	4,677.12

10-4 BMA Traffic Matrix in 2007 (13/24)

		71	72	73	74	75	76	77	78	79	80	81	82
Switch Unit Name		SKW2	SRR5	KKM4	SMS3	PTW3	SRW6	CYP3	PKG3	ONT2	TKC3	TMM3	STD3
1 Phloen Chit 3	PNC3	51.78	57.67	32.94	37.76	35.91	439.38	13.23	11.72	11.12	1.50	20.10	26.13
2 Asok Din Daeng 2	ASD2	13.51	31.72	21.16	27.79	17.34	112.09	5.21	5.64	4.92	0.27	15.78	5.58
3 Sukhumvit 1	SKW1	27.72	16.09	7.69	9.84	8.01	98.77	6.84	8.04	4.85	0.20	5.37	6.31
4 Samran Rat 4	SRR4	21.68	192.70	39.99	53.29	35.34	299.87	7.31	8.83	6.52	17.59	11.50	1.43
5 Krung Kasem 3	KKM3	13.53	85.66	63.10	45.36	16.60	164.33	4.83	13.46	4.45	11.35	6.70	0.29
6 Samsen 2	SMS2	142.24	6.12	8.04	30.69	2.44	20.55	0.54	1.22	0.68	1.53	0.72	0.08
7 Pathum Wan 2	PTW2	12.09	31.19	12.21	10.24	32.09	195.86	3.94	4.74	3.24	3.73	6.71	5.20
8 Surawong 4	SRW4	37.06	76.17	26.28	19.28	62.23	702.75	9.71	11.37	8.35	1.08	20.50	23.48
9 Surawong 5	SRW5	24.24	51.18	18.19	15.20	50.91	499.43	6.11	8.03	5.57	0.74	14.25	15.61
10 Chaiyaphruk 2	CYP2	8.62	6.35	3.94	5.13	4.60	37.88	5.94	4.08	3.32	0.12	32.00	0.28
11 Phra Khanong 2	PKG2	7.08	6.85	4.50	4.53	4.43	37.65	4.01	16.11	5.69	0.14	23.68	0.35
12 On Nut 1	ONT1	4.79	4.78	2.93	3.90	3.16	22.70	2.40	6.05	17.15	0.07	14.28	0.13
13 Trok Chan 2	TKC2	5.11	14.31	4.96	3.98	7.02	74.70	1.53	3.73	2.32	1.04	7.04	4.05
14 Thung Mahamek 2	TMM2	4.85	6.44	6.49	3.53	3.39	47.21	1.08	1.46	1.58	0.40	9.55	3.53
15 Sathupradit 2	STD2	2.82	4.73	1.62	1.28	2.38	35.20	0.85	1.15	0.74	0.19	3.67	3.07
16 Thanon Tok 2	TNT2	4.01	9.32	6.49	2.35	4.40	64.09	1.48	1.68	2.22	0.43	6.63	5.75
17 Khlong Toei 1	KTH1	1.00	10.57	5.37	6.73	6.09	86.04	3.21	4.97	3.09	0.24	5.41	4.95
18 Hua Mak 2	HAM2	19.97	23.84	17.22	20.17	17.58	116.05	11.12	10.67	11.69	0.34	89.54	1.03
19 Khlong Chan 2	KGC2	3.94	5.98	4.68	5.91	3.09	24.35	1.98	2.69	3.18	0.11	17.18	0.16
20 Khlong Chan 3	KGC3	4.80	5.84	4.08	4.94	3.35	30.14	2.25	2.61	3.42	0.09	21.77	0.16
21 Ramkhamhaeng 1	RKN1	2.15	2.61	1.83	2.20	1.50	13.49	1.00	1.17	1.53	0.04	9.75	0.07
22 Bang Chan 1	BGC1	3.77	8.93	4.58	4.57	4.27	28.84	2.14	2.00	3.03	1.89	1.76	0.15
23 Lat Krabang 1	LKG1	2.27	1.89	1.60	1.97	1.29	21.77	1.11	3.03	35.90	0.04	8.28	0.05
24 Bang Na 2	BN2	3.95	5.57	3.26	3.91	2.78	25.14	1.82	4.80	3.12	0.09	18.95	0.24
25 Bang Na 3	BN3	5.99	8.44	4.29	6.37	3.90	46.50	2.81	6.84	4.60	0.18	33.18	0.36
26 Samut Prakan 2	SPK2	0.54	2.47	0.52	1.57	0.42	4.67	0.21	0.62	0.24	0.02	3.45	0.04
27 Samut Prakan 3	SPK3	5.51	7.84	4.28	4.16	3.46	42.08	2.21	5.08	2.63	0.19	32.29	0.38
28 Bang Pu 1	BGU1	1.93	2.76	1.49	1.46	1.20	14.69	0.77	1.78	0.92	0.07	11.29	0.13
29 Pu Chao Saming Phrai 2	PSP2	6.46	7.04	3.83	3.12	4.17	60.88	1.96	4.11	2.52	0.11	26.49	0.36
30 Bang Phli 1	BPL1	2.07	2.28	1.16	2.24	2.19	10.46	0.90	2.11	0.91	0.02	8.56	0.10
31 Bang Phli 2	BPL2	8.48	9.40	4.79	9.18	8.94	42.77	3.69	8.62	3.73	0.09	35.08	0.43
32 Bang Phli Bang Bo 1	BBB1	1.43	1.58	0.80	1.55	1.51	7.23	0.62	1.46	0.63	0.01	5.92	0.07
33 Thon Buri 1	TNB1	2.88	14.03	8.14	8.40	3.76	30.05	1.11	1.98	1.38	0.13	1.66	2.86
34 Lat Ya T8	LYT8	2.82	12.03	2.25	3.07	2.91	26.89	0.76	1.16	1.30	0.11	1.46	1.71
35 Phasi Charoen 2	PSN2	0.91	4.01	2.12	2.22	1.32	12.96	0.38	0.71	0.53	0.04	0.51	2.23
36 Bang Phlat 2	BGT2	5.86	18.21	9.83	15.49	6.74	40.08	1.60	2.16	1.71	0.13	2.03	4.11
37 Bang Phlat 3	BGT3	3.89	14.14	6.78	11.97	5.05	30.76	1.27	1.50	1.26	0.10	1.61	3.17
38 Bang Buc Thong 1	BBT1	0.46	1.67	0.80	1.40	0.60	3.59	0.15	0.17	0.15	0.30	0.19	0.02
39 Bang Buc Thong 2	BBT2	6.45	23.32	11.33	19.01	8.37	49.76	2.08	2.38	2.15	4.12	2.54	0.35
40 Charan Sanitwong 2	CSW2	3.49	13.14	7.95	8.93	3.94	28.28	1.14	2.11	1.12	0.13	1.74	3.79
41 Bang Khae 2	BKE2	1.98	7.16	3.72	3.50	3.62	23.08	0.66	1.09	0.93	0.13	1.18	2.51
42 Nong Khaem 1	NGK1	1.79	10.24	136.47	2.31	1.49	22.94	0.49	0.70	0.39	0.08	0.98	3.14
43 Muban Sattakit 1	MSK1	2.58	14.71	3.05	3.33	2.15	32.97	0.71	1.01	0.56	0.11	1.41	4.51
44 Dao Khanong 2	DKN2	2.75	11.16	4.57	2.81	3.48	30.81	0.72	1.23	0.53	0.22	1.86	2.48
45 Phra Pradsang 2	PPG2	4.51	18.86	6.63	5.99	4.91	58.26	2.52	2.54	2.07	0.25	3.58	6.20
46 Ekkachai 1	EKC1	2.12	9.14	3.12	2.49	2.96	23.78	0.58	0.75	0.77	0.11	1.36	2.31
47 Ekkachai 2	EKC2	2.47	10.74	3.67	2.89	3.46	27.86	0.68	0.88	0.90	0.13	1.57	2.71
48 Rat Burana 1	RBN1	4.12	14.10	4.61	5.63	4.63	47.04	1.39	2.07	1.70	0.21	2.80	3.20
49 Phahonyothin T2	PYT2	20.05	42.88	37.50	50.81	22.64	173.18	8.44	10.01	7.02	0.45	105.69	0.69
50 Inthamara 2	ITM2	4.51	7.28	4.83	8.01	4.80	0.91	1.26	1.75	1.52	0.07	20.09	0.13
51 Bang Khen 2	BGN2	3.62	6.24	7.43	7.33	3.53	21.07	1.25	1.55	86.54	2.52	1.01	0.09
52 Lat Phrao 1-2	LTP1-2	4.54	10.77	6.68	9.19	5.37	26.83	1.68	2.19	1.75	2.63	5.39	0.17
53 Lat Phrao 2-2	LTP2-2	2.93	6.62	4.12	6.29	3.51	18.71	1.31	1.85	1.91	1.46	3.41	0.14
54 Don Muang 2	DNM2	7.18	9.95	8.14	12.48	5.69	49.45	2.36	2.48	2.38	4.74	2.20	0.21
55 Thanyaburi 1	TYB1	1.80	2.61	125.04	3.14	1.46	12.76	0.63	0.60	0.62	1.29	0.57	0.05
56 Rangsit 1	RST1	0.74	1.09	0.89	1.30	0.61	5.28	0.26	0.25	0.26	0.54	0.24	0.02
57 Nawa Nakhon 1	NWN1	4.84	3.95	3.03	1.77	1.49	22.45	0.73	0.82	0.59	1.38	0.89	0.06
58 Bang Su 2	BGS2	5.40	12.97	10.50	19.08	6.93	33.76	1.80	2.83	2.18	8.75	6.91	0.24
59 Ngarn Wong Wan 2	NWW2	4.50	9.34	7.81	16.95	4.87	31.47	1.81	2.14	2.44	3.64	2.68	0.19
60 Nonthaburi 2	NTB2	2.43	30.42	37.73	34.35	10.37	30.86	3.27	2.55	0.55	7.24	6.40	0.19
61 Lak Si T4	LKST4	1.42	3.65	2.24	2.88	1.59	14.41	0.58	0.93	0.59	1.90	0.82	0.09
62 Lak Si 2	LKS2	5.03	8.40	5.27	4.90	4.43	42.93	1.77	3.00	1.48	3.85	2.62	0.29
63 Ram Inthra 1	RIT1	0.83	1.58	1.39	1.99	0.82	5.95	0.47	0.54	0.77	0.68	0.34	0.03
64 Ram Inthra 2	RIT2	1.03	1.97	1.69	2.44	1.02	7.40	0.59	0.68	0.95	0.83	0.41	0.04
65 Pak Kret 1	PKK1	2.57	6.73	5.06	20.07	2.38	24.71	0.78	0.17	0.86	2.36	1.13	0.02
66 Pathum Thani 1	PTT1	1.25	3.26	2.46	9.76	1.16	12.05	0.38	0.08	41.87	1.15	0.55	0.05
67 Bang Phun 1	BANI	0.50	1.32	0.99	3.94	0.47	4.86	0.15	0.03	0.17	0.46	0.22	0.02
68 Chaeng Watthana 1	CWT1	2.11	5.24	4.49	8.58	3.14	19.10	0.85	1.62	1.08	1.56	1.21	0.12
69 Phloen Chit 4	PNC4	36.54	40.58	24.00	24.62	22.69	315.43	9.05	7.72	7.18	1.19	14.55	18.49
70 Asok Din Daeng 3	ASD3	17.47	41.10	27.38	36.36	21.86	149.28	6.43	7.87	6.35	0.35	6.49	8.67
71 Sukhumvit 2	SKW2	17.66	10.25	4.90	6.27	5.11	62.92	4.36	5.12	3.09	0.12	3.42	4.02
72 Samran Rat 5	SRR5	6.97	63.97	12.22	13.36	11.10	101.09	2.38	2.67	2.02	6.04	3.61	0.48
73 Krung Kasem 4	KKM4	4.25	30.03	20.91	14.07	5.45	54.07	1.53	4.67	1.55	3.77	2.12	0.09

10-4 BMA Traffic Matrix in 2007 (14/24)

		71	72	73	74	75	76	77	78	79	80	81	82
Switch Unit Name		SKW2	SRR5	KKM4	SMS3	PTW3	SRW6	CYP3	PKG3	ONT2	TKC3	TMM3	STD3
74 Sansen 3	SMS3	194.71	5.54	4.92	21.16	2.06	10.29	0.51	0.78	0.47	1.03	0.69	0.07
75 Pathum Wan 3	PTW3	3.63	11.08	5.27	4.73	13.68	45.10	1.71	1.96	1.20	3.06	1.80	0.26
76 Surawong 6	SRW6	32.17	67.89	24.13	20.17	67.63	663.02	8.10	10.65	7.40	0.98	18.86	20.72
77 Chaiyaphruk 3	CYP3	2.26	1.68	1.30	1.24	1.22	9.81	1.62	1.13	0.87	0.04	6.96	0.08
78 Phra Khanong 3	PKG3	2.74	2.41	1.61	1.83	1.62	14.06	1.55	6.16	2.19	0.06	8.97	0.13
79 On Nut 2	ONT2	3.45	3.44	2.11	2.81	2.27	16.33	1.73	4.35	12.34	0.05	10.27	0.10
80 Trok Chan 3	TKC3	1.05	2.90	0.92	0.67	1.32	15.33	0.34	0.91	0.48	0.23	1.46	0.76
81 Thung Mahamek 3	TMM3	3.79	5.04	5.08	2.76	2.65	36.95	0.85	1.14	1.24	0.31	7.48	2.76
82 Sathupradit 3	STD3	1.11	2.11	0.72	0.59	1.14	14.47	0.36	0.45	0.36	0.09	1.43	1.31
83 Thanon Tok 3	TNT3	1.37	3.18	2.21	0.80	1.50	21.87	0.51	0.57	0.76	0.15	2.26	1.96
84 Khlong Toei 1	KTI2	0.99	10.43	5.30	6.65	6.01	84.94	3.17	4.91	3.06	0.24	5.34	4.89
85 Hua Mak 3	HAM3	11.63	14.13	10.80	11.87	10.54	65.57	6.52	6.48	6.68	0.19	52.57	0.61
86 Khlong Chan 4	KGC4	7.01	8.54	5.97	7.23	4.90	44.05	3.28	3.82	5.00	0.14	31.85	0.24
87 Ramkarnhaeng 2	RKN2	0.58	0.70	0.49	0.59	0.40	3.61	0.27	0.31	0.41	0.01	2.61	0.02
88 Bang Chan 2	BGC2	4.37	10.35	5.31	5.30	4.95	33.41	2.48	2.32	3.51	2.19	2.04	0.18
89 Lat Krabang 2	LKG2	2.08	1.72	1.47	1.81	1.18	19.92	1.02	2.78	32.85	0.04	7.57	0.04
90 Bang Na 4	BNA4	6.59	9.28	4.72	7.08	4.27	51.05	3.08	7.53	5.06	0.19	35.48	0.40
91 Samul Prakan 4	SPK4	2.29	3.26	1.78	1.73	1.44	17.47	0.92	2.11	1.09	0.08	13.41	0.16
92 Bang Pu 2	BGU2	0.61	0.88	0.47	0.46	0.38	4.66	0.25	0.56	0.29	0.02	3.58	0.04
93 Pu Chao Saming Phrai 3	PSP3	7.83	8.37	4.37	3.61	4.98	76.72	2.29	4.82	3.08	0.13	32.20	0.41
94 Bang Phli 4	BPL4	7.94	8.77	4.45	8.58	8.40	40.13	3.46	8.08	3.51	0.08	32.85	0.40
95 Bang Phli Bang Bo 2	BBB2	1.15	1.28	0.65	1.25	1.22	5.83	0.50	1.18	0.51	0.01	4.78	0.06
96 Thon Buri 2	TNB2	1.00	4.86	2.82	2.91	1.30	10.41	0.38	0.69	0.48	0.04	0.58	0.99
97 Lat Ya 2	LYT2	1.99	8.50	1.59	2.17	2.06	19.02	0.54	0.82	0.92	0.08	1.03	1.21
98 Phasi Charoen 3	PSN3	0.41	1.99	0.74	1.02	0.68	5.56	0.19	0.49	0.23	0.02	0.23	1.27
99 Bang Phlat 4	BGT4	4.37	15.74	7.60	13.15	5.64	33.91	1.42	1.63	1.41	0.11	1.75	3.51
100 Bang Sue Thong 3	BBT3	3.73	13.45	6.49	11.27	4.83	28.94	1.21	1.40	1.20	2.39	1.50	0.20
101 Charan Sanitwong 3	CSW3	1.87	6.78	3.68	4.51	2.00	14.88	0.67	1.17	0.58	0.07	0.99	2.15
102 Bang Khac 3	BKE3	0.75	3.56	1.04	1.17	1.14	8.03	0.23	0.46	0.31	0.06	0.46	1.08
103 Nong Khaem 2	NGK2	1.59	9.05	120.66	2.04	1.32	20.28	0.44	0.62	0.34	0.07	0.87	2.78
104 Muban Sattakit 2	MSK2	2.37	13.48	2.80	3.05	1.97	30.21	0.65	0.92	0.51	0.10	1.29	4.13
105 Dao Khanong 3	DKN3	1.25	5.07	2.08	1.28	1.58	13.99	0.33	0.56	0.24	0.10	0.85	1.13
106 Phra Pradaeng 3	PPG3	2.03	8.37	2.89	2.57	2.21	26.57	1.15	1.12	0.97	0.12	1.61	2.87
107 Ekkechai 3	EKC3	6.32	27.30	9.32	7.43	8.84	70.98	1.73	2.25	2.30	0.33	4.05	6.90
108 Rat Burana 2	RBN2	2.44	8.34	2.73	3.33	2.74	27.83	0.82	1.23	1.00	0.12	1.66	1.89
109 Phahonyothin 4	PYT4	11.08	20.24	18.78	24.91	11.38	90.37	4.24	4.88	3.39	0.22	50.35	0.34
110 Inthamara 3	ITM3	5.26	8.50	5.64	9.35	5.61	1.07	1.47	2.04	1.77	0.08	23.45	0.16
111 Bang Khen 3	BGN3	1.61	2.77	3.29	3.25	1.57	9.34	0.56	0.69	62.67	1.12	0.45	0.04
112 Lat Phrao 1-3	LTP1-3	2.57	5.28	3.42	5.15	2.99	17.65	0.97	1.13	1.01	1.75	1.05	0.09
113 Lat Phrao 2-3	LTP2-3	1.55	3.16	2.05	3.78	1.76	10.29	0.71	0.93	1.14	0.89	0.70	0.08
114 Don Muang 3	DNM3	6.47	9.43	7.75	11.34	5.32	46.09	2.28	2.19	2.26	4.67	2.05	0.20
115 Thanyaburi 2	TYB2	0.76	1.11	52.97	1.33	0.62	5.41	0.27	0.26	0.26	0.55	0.24	0.02
116 Rangsit 2	RST2	0.45	0.65	0.53	0.78	0.37	3.17	0.16	0.15	0.15	0.32	0.14	0.01
117 Nawa Nakhon 2	NWN2	3.94	3.22	2.47	1.44	1.22	18.31	0.60	0.67	0.48	1.12	0.72	0.05
118 Bang Su 3	BGS3	4.70	9.06	6.51	11.34	4.79	29.24	1.31	1.86	1.53	7.61	1.78	0.18
119 Ngam Wong Wan 3	NWW3	2.34	5.03	4.12	8.93	2.70	16.39	0.97	1.13	1.36	2.00	1.50	0.10
120 Nonthaburi 3	NTB3	0.67	8.32	10.33	9.41	2.84	8.45	0.90	0.70	0.15	2.04	1.24	0.05
121 Lak Si 3	LKS3	4.11	6.87	4.37	4.08	3.61	35.21	1.44	2.48	1.19	3.15	2.10	0.23
122 Ram Inthra 3	RIT3	2.63	5.00	4.38	6.29	2.59	18.80	1.50	1.70	2.44	2.13	1.08	0.11
123 Pak Kret 2	PKK2	2.00	5.25	3.94	15.66	1.86	19.28	0.61	0.13	0.67	1.84	0.88	0.02
124 Pathum Thani 2	PTT2	1.23	3.21	2.42	9.63	1.15	11.88	0.37	0.08	41.28	1.13	0.54	0.05
125 Bang Phun 2	BAN2	0.20	0.53	0.40	1.59	0.19	1.96	0.06	0.01	0.07	0.19	0.09	0.01
126 Chaeng Watthana 2	CWT2	2.36	5.87	5.02	9.61	3.52	21.40	0.95	1.82	1.21	1.75	1.36	0.13
127 Lak Si TC	LSTC	0.00	279.90	152.96	108.97	112.90	0.00	0.00	0.00	0.00	26.02	0.00	0.00
128 Phra Khanong TC	PNTC	0.00	0.00	0.00	0.00	0.00	0.00	21.19	66.08	99.86	0.00	0.00	0.00
129 Lat Ya TC	LYTC	60.21	0.00	0.00	0.00	0.00	845.63	0.00	0.00	0.00	0.00	36.16	29.57
130 Lak Si International	LSIT	0.00	39.91	17.37	2.45	6.03	0.00	0.00	0.00	0.00	3.05	0.00	0.00
131 Phra Khanong International	PNIT	0.00	0.00	0.00	0.00	0.00	0.00	7.36	18.23	1.19	0.00	0.00	0.00
132 Lat Ya International	LYIT	29.11	0.00	0.00	0.00	0.00	616.50	0.00	0.00	0.00	0.00	6.86	1.07
IC Total	TOTAL	1,137.36	1,999.96	1,473.26	1,191.69	920.96	8,589.24	285.37	449.95	683.96	183.74	1,181.90	288.06

10-4 BMA Traffic Matrix in 2007 (15/24)

Switch Unit Name		83	84	85	86	87	88	89	90	91	92	93	94
		TNT3	KTI2	HAM3	KGC4	RKN2	BGC2	LKG2	BNA4	SPK4	BGU2	PSP3	BPL4
1 Phloen Chit 3	PNC3	8.08	54.31	168.62	56.18	4.62	29.73	22.75	53.98	13.63	3.70	75.41	49.17
2 Asok Din Daeng 2	ASD2	3.50	20.42	37.25	29.39	2.42	17.99	5.00	16.05	6.16	1.68	14.45	17.26
3 Sukhumwit 1	SKW1	2.58	22.84	37.06	18.93	1.56	12.30	5.57	17.51	12.59	3.43	19.56	23.33
4 Sanran Rat 4	SRR4	40.09	37.10	31.13	30.04	2.46	31.71	15.87	18.69	37.72	10.26	27.76	34.74
5 Krung Kasem 3	KKM3	17.09	10.08	14.83	13.57	1.11	30.26	6.85	30.32	9.52	2.59	18.15	21.36
6 Samsen 2	SMS2	1.00	2.99	4.10	5.94	0.49	3.05	0.99	3.13	1.07	0.29	1.08	3.40
7 Pathum Wan 2	PTW2	6.88	21.74	65.72	13.29	1.09	13.04	4.79	13.04	7.92	2.16	16.59	21.11
8 Surawong 4	SRW4	11.35	62.67	243.81	34.87	2.86	31.87	12.81	36.84	23.81	6.49	45.85	42.65
9 Surawong 5	SRW5	10.12	45.80	185.22	22.02	1.83	21.88	8.75	22.71	18.44	5.01	34.16	27.19
10 Chaiyaphruk 2	CYP2	1.21	29.38	12.54	10.17	0.84	7.08	4.73	15.34	2.27	0.61	16.64	11.10
11 Phra Khanong 2	PRG2	1.40	38.43	10.90	13.14	1.08	5.49	5.10	32.11	5.06	1.38	26.63	17.15
12 On Nut 1	ONT1	1.18	8.43	12.60	14.18	1.17	6.56	6.39	10.63	2.36	0.65	6.20	10.83
13 Trok Chan 2	TKC2	7.22	12.84	15.23	9.38	0.77	6.34	1.94	7.40	2.74	0.74	9.08	10.42
14 Thung Mahamek 2	TMM2	2.29	8.13	9.10	6.54	0.54	3.28	2.52	15.24	2.92	0.80	7.46	5.00
15 Sathupradit 2	STD2	3.84	5.70	5.81	2.85	0.23	2.73	1.14	3.94	2.21	0.60	5.65	8.16
16 Thanon Tok 2	TNT2	14.30	7.78	10.62	3.53	0.29	2.79	4.14	6.77	2.05	0.55	8.02	5.64
17 Khlong Toei 1	KTI1	2.94	56.99	20.33	9.48	0.78	9.71	4.11	15.90	12.14	3.30	17.17	17.87
18 Hua Mak 2	HAM2	6.59	49.99	154.73	67.65	5.57	43.25	14.94	25.72	16.42	4.47	26.85	52.69
19 Khlong Chan 2	KGC2	1.09	6.73	11.80	49.25	4.05	20.40	2.14	8.50	1.37	0.38	7.78	11.86
20 Khlong Chan 3	KGC3	1.24	7.40	15.76	55.31	4.56	22.70	2.42	8.08	2.09	0.57	5.30	12.65
21 Ramkhamhaeng 1	RKN1	0.55	3.33	7.05	24.74	2.03	10.17	1.11	3.61	0.94	0.25	2.34	5.65
22 Bang Chan 1	BGC1	1.21	6.87	13.49	25.03	2.06	175.98	10.24	7.63	3.79	1.04	8.69	15.76
23 Lat Krabang 1	LKG1	0.91	8.97	3.89	4.58	0.37	10.96	49.36	4.80	1.94	0.53	5.49	12.28
24 Bang Na 2	BN2	1.03	14.27	6.72	7.78	0.64	5.72	3.05	36.39	3.27	0.88	33.46	25.34
25 Bang Na 3	BNA3	1.72	24.09	10.69	10.68	0.87	11.39	4.77	62.73	7.05	1.89	25.31	39.38
26 Samut Prakan 2	SPK2	0.14	2.36	0.88	0.81	0.07	0.61	0.69	3.07	14.04	3.82	10.43	4.06
27 Samut Prakan 3	SPK3	1.32	28.68	10.20	9.48	0.79	8.28	3.05	28.05	140.26	38.17	76.68	33.06
28 Bang Pu 1	BGU1	0.46	10.00	3.57	3.29	0.27	2.91	1.03	9.81	48.97	13.33	26.80	11.53
29 Pu Chao Saming Phrai 2	PSP2	1.75	30.31	8.48	10.63	0.88	12.00	3.29	21.91	15.76	4.28	101.98	43.09
30 Bang Phli 1	BPL1	0.39	6.09	5.13	3.68	0.26	4.18	2.78	9.13	3.25	0.89	10.69	47.87
31 Bang Phli 2	BPL2	1.60	24.89	21.00	15.03	1.25	17.15	11.39	37.47	13.22	3.60	43.71	196.01
32 Bang Phli Bang Bo 1	BBB1	0.27	4.20	3.54	2.54	0.21	2.89	1.91	6.30	2.25	0.61	7.40	33.07
33 Thon Buri 1	TNB1	1.73	4.60	7.74	4.47	0.37	3.73	1.10	4.74	3.40	0.92	3.06	3.54
34 Lat Ya TB	LYT8	1.80	3.62	4.81	3.55	0.29	2.97	0.73	3.20	1.39	0.37	2.90	4.21
35 Phasi Charoen 2	PSN2	0.66	1.18	2.53	2.18	0.18	2.66	1.13	1.75	0.95	0.26	2.71	2.84
36 Bang Phlat 2	BGT2	1.58	5.90	12.73	12.67	1.04	6.04	2.12	13.38	1.45	0.39	5.32	10.56
37 Bang Phlat 3	BGT3	1.39	4.21	10.42	10.67	0.90	4.40	1.70	13.43	1.06	0.27	4.52	8.74
38 Bang Bue Thong 1	BBT1	0.34	0.49	0.96	1.26	0.10	0.53	0.20	1.57	0.13	0.04	0.51	1.02
39 Bang Bue Thong 2	BBT2	4.83	6.77	13.30	17.72	1.41	7.22	2.79	22.05	1.31	0.65	7.16	14.09
40 Charan Sanitwong 2	CSW2	1.69	4.21	7.43	8.31	0.69	5.73	1.25	4.82	1.74	0.47	5.75	5.56
41 Bang Khae 2	BKE2	1.27	3.49	6.09	2.52	0.20	2.74	1.12	4.04	1.91	0.51	2.80	4.31
42 Nong Khaem 1	NGK1	0.62	3.08	4.78	2.40	0.19	2.59	0.86	2.19	1.61	0.44	5.98	3.38
43 Muban Sattakit 1	MSK1	0.90	4.41	6.86	3.45	0.28	3.73	1.22	3.13	2.35	0.63	8.60	4.85
44 Dao Khanong 2	DKN2	2.56	5.32	5.18	4.65	0.39	2.85	1.99	7.13	3.22	0.89	8.53	3.76
45 Phra Pradaeng 2	PPG2	4.60	12.70	10.56	9.31	0.77	8.40	3.16	13.51	13.39	3.64	33.10	19.11
46 Ekkachai 1	EKC1	1.97	3.56	5.15	3.04	0.25	3.50	0.97	3.06	1.75	0.48	6.82	3.95
47 Ekkachai 2	EKC2	2.30	4.16	6.03	3.59	0.29	4.09	1.13	3.59	2.12	0.56	7.99	4.66
48 Rat Burana 1	RBN1	4.28	9.38	8.57	5.64	0.46	5.37	2.52	5.83	3.83	1.03	15.15	11.41
49 Phahonyothin T2	PYT2	4.88	68.78	39.49	45.02	3.70	32.46	15.31	20.85	8.42	2.30	22.30	25.33
50 Inthamara 2	ITM2	0.64	9.35	5.91	9.66	0.79	6.32	1.78	7.69	1.47	0.40	4.09	3.46
51 Bang Khen 2	BGN2	2.22	5.08	4.98	11.92	0.98	10.09	2.50	4.03	0.66	0.17	3.74	6.29
52 Lat Phrao 1-2	LTP1-2	3.14	7.30	9.39	15.16	1.24	10.57	1.76	5.87	2.22	0.61	4.60	8.43
53 Lat Phrao 2-2	LTP2-2	2.18	4.39	7.73	15.70	1.29	13.69	1.23	5.15	1.21	0.33	5.22	5.71
54 Don Muang 2	DNM2	9.94	8.93	13.13	13.54	1.11	13.08	2.19	6.62	2.74	0.74	6.73	7.51
55 Thanyaburi 1	TYB1	2.71	2.27	3.37	3.41	0.28	3.59	0.53	1.70	0.83	0.21	1.92	1.98
56 Rangsit 1	RST1	1.12	0.93	1.40	1.42	0.12	1.47	0.23	0.71	0.33	0.09	0.80	0.83
57 Nawa Nakhon 1	NWN1	9.59	1.95	4.36	3.29	0.27	2.08	2.22	2.48	1.90	0.52	9.16	6.03
58 Bang Su 2	BGS2	4.98	8.18	10.53	11.61	0.96	11.05	3.68	6.55	3.51	0.96	13.67	10.92
59 Ngam Wong Wan 2	NWW2	1.74	6.55	11.03	14.02	1.15	10.02	1.99	6.23	1.78	0.49	5.69	6.74
60 Nonhlaburi 2	NTB2	1.36	12.63	21.55	48.87	4.03	7.54	11.16	5.79	0.76	0.24	9.86	12.93
61 Lak Si T4	LKST4	2.33	2.67	2.86	4.87	0.40	4.52	0.96	3.78	0.90	0.25	5.05	3.97
62 Lak Si 2	LKS2	7.35	8.62	7.63	11.97	0.93	12.09	2.52	12.17	3.37	1.01	14.76	8.03
63 Ram Inthra 1	RIT1	0.57	1.23	3.83	6.41	0.53	7.27	0.62	2.09	0.47	0.13	1.70	2.09
64 Ram Inthra 2	RIT2	0.71	1.51	4.72	7.92	0.64	8.97	0.77	2.60	0.64	0.16	2.14	2.63
65 Pak Kret 1	PKK1	0.91	3.83	4.95	6.45	0.53	6.05	1.05	3.45	2.05	0.57	5.47	4.93
66 Pathum Thani 1	PTT1	0.44	1.87	2.41	3.14	0.25	2.94	0.50	1.68	0.99	0.27	2.68	2.39
67 Bang Phun 1	BAN1	0.17	0.76	0.97	1.28	0.10	1.19	0.22	0.67	0.40	0.11	1.08	0.98
68 Chaeng Watthana 1	CWT1	1.16	3.04	4.79	7.57	0.62	4.82	1.06	2.57	0.94	0.26	3.13	4.02
69 Phloen Chit 4	PNC4	6.07	37.46	122.92	40.01	3.29	19.37	14.46	39.00	8.22	2.23	56.80	33.34
70 Asok Din Daeng 3	ASD3	4.32	23.59	50.28	39.30	3.23	24.71	7.12	21.91	9.26	2.52	19.51	20.63
71 Sukhumwit 2	SKW2	1.64	14.55	23.61	12.06	0.99	7.84	3.55	11.16	8.02	2.18	12.46	14.86
72 Samran Rat 5	SRR5	14.33	11.41	9.95	9.63	0.79	10.79	5.31	6.20	12.74	3.46	8.42	11.76
73 Krung Kasem 4	KKM4	5.71	2.89	3.75	3.43	0.28	10.81	2.41	11.31	3.28	0.89	5.45	6.99

10-4 BMA Traffic Matrix in 2007 (16/24)

		83	84	85	86	87	88	89	90	91	92	93	94
Switch Unit Name		TNT3	KT2	HAM3	KGC4	RKN2	BGC2	LKG2	BNA4	SPK4	BGU2	PSP3	BPLA
74 Samsen 3	SMS3	0.85	2.57	3.66	4.11	0.34	2.28	0.57	2.89	0.58	0.15	1.01	3.40
75 Pathum Wan 3	PTW3	3.10	5.52	6.69	5.33	0.44	5.49	1.40	4.25	1.66	0.45	4.57	10.67
76 Surawong 6	SRW6	13.42	60.80	245.93	29.32	2.41	29.03	11.51	30.10	24.35	6.63	45.28	36.21
77 Chaiphruk 3	CYP3	0.36	6.76	3.45	3.13	0.26	2.05	0.98	4.11	0.59	0.16	4.54	2.49
78 Phra Khanong 3	PKG3	0.52	15.57	4.15	5.36	0.44	1.92	1.88	12.07	1.41	0.39	10.08	6.76
79 On Nut 2	ONT2	0.85	6.06	9.07	10.20	0.84	4.72	4.60	7.64	1.70	0.47	4.46	7.79
80 Trok Chan 3	TKC3	1.24	2.23	3.34	1.84	0.15	1.27	0.40	1.47	0.64	0.17	1.71	1.69
81 Thung Mahamek 3	TMM3	1.79	6.36	7.12	5.12	0.43	2.56	1.98	11.92	2.27	0.63	5.85	3.92
82 Sathupradit 3	STD3	1.66	2.37	2.73	1.33	0.11	1.21	0.45	1.68	1.05	0.29	2.11	3.80
83 Thuson Tok 3	TNT3	4.88	2.65	3.62	1.20	0.10	0.95	1.41	2.31	0.70	0.19	2.74	1.93
84 Khlong Toei 1	KT2	2.91	56.27	20.07	9.36	0.77	9.58	4.06	15.70	11.98	3.25	16.96	17.64
85 Hua Mak 3	HAM3	4.06	29.62	93.83	41.10	3.38	25.12	8.79	14.67	9.93	2.70	13.37	31.24
86 Khlong Chan 4	KGC4	1.80	10.88	23.03	80.82	6.64	33.18	3.58	11.78	2.97	0.81	7.69	18.51
87 Rarakanhaeng 2	RKN2	0.15	0.89	1.89	6.63	0.54	2.72	0.30	0.97	0.25	0.07	0.63	1.51
88 Bang Chan 2	BGC2	1.40	7.96	15.62	29.00	2.38	203.86	11.86	8.84	4.39	1.20	10.07	18.25
89 Lat Krabang 2	LKG2	0.83	8.21	3.56	4.19	0.34	10.03	45.16	4.39	1.77	0.48	5.03	11.24
90 Bang Na 4	BNA4	1.90	26.44	11.74	11.76	0.97	12.48	5.23	68.92	7.72	2.09	27.87	43.34
91 Sanmit Prakan 4	SPK4	0.55	11.91	4.24	3.94	0.33	3.44	1.27	11.65	58.24	15.85	31.84	13.73
92 Bang Pu 2	BGU2	0.15	3.17	1.13	1.04	0.08	0.92	0.33	3.11	15.51	4.22	8.49	3.65
93 Pu Chao Saming Phrai 3	PSP3	2.20	39.72	10.33	12.48	1.03	13.24	3.77	19.41	21.07	5.73	124.47	51.36
94 Bang Phli 4	BPLA	1.51	23.37	19.67	14.10	0.98	16.03	10.65	35.03	12.48	3.40	41.01	183.65
95 Bang Phli Bang Bo 2	BBB2	0.22	3.39	2.86	2.05	0.17	2.33	1.54	5.09	1.82	0.49	5.97	26.70
96 Thon Buri 2	TNB2	0.60	1.59	2.68	1.55	0.13	1.29	0.38	1.64	1.18	0.32	1.06	1.23
97 Lat Ya 2	LY2	1.28	2.56	3.40	2.51	0.21	2.10	0.52	2.27	0.98	0.27	2.05	2.98
98 Phasi Charoen 3	PSN3	0.24	0.64	1.32	0.75	0.06	1.55	0.69	0.98	0.69	0.19	1.65	1.45
99 Bang Phlat 4	BGT4	1.54	4.60	11.51	11.87	0.97	4.98	1.86	14.74	1.24	0.34	4.88	9.62
100 Bang Bue Thong 3	BBT3	2.76	3.96	7.71	10.14	0.84	4.28	1.58	12.62	1.03	0.29	4.13	8.20
101 Charan Sanitwong 3	CSW3	0.97	2.02	3.91	4.58	0.38	3.12	0.69	2.31	0.94	0.25	2.97	3.10
102 Bang Khae 3	BKE3	0.47	1.38	2.42	1.17	0.09	0.77	0.40	1.66	0.81	0.22	0.98	1.94
103 Nong Khaem 2	NGK2	0.55	2.72	4.22	2.12	0.17	2.29	0.76	1.94	1.42	0.39	5.28	2.99
104 Muban Sattakit 2	MSK2	0.82	4.04	6.28	3.16	0.26	3.42	1.12	2.87	2.15	0.58	7.89	4.44
105 Dao Khanong 3	DKN3	1.16	2.41	2.36	2.11	0.18	1.29	0.91	3.23	1.46	0.40	3.88	1.71
106 Phra Pradaeng 3	PPG3	2.09	5.80	4.70	4.33	0.36	3.93	1.47	6.33	6.18	1.68	14.91	8.70
107 Ekachai 3	EKC3	5.87	10.62	15.36	9.08	0.75	10.45	2.88	9.15	5.24	1.43	20.35	11.80
108 Rat Burana 2	RBN2	2.53	5.55	5.07	3.34	0.27	3.17	1.49	3.45	2.26	0.61	8.96	6.75
109 Phahonyothin 4	PYT4	2.52	35.02	19.53	21.75	1.79	15.67	8.01	10.21	3.81	1.04	10.92	12.14
110 Inthamara 3	ITM3	0.75	10.91	6.90	11.29	0.93	7.38	2.08	8.98	1.71	0.47	4.77	4.04
111 Bang Khen 3	BGN3	0.98	2.26	2.21	5.28	0.43	4.47	1.11	1.79	0.29	0.08	1.66	2.79
112 Lat Phrao 1-3	LTP1-3	2.03	3.67	5.61	8.15	0.67	5.84	1.00	3.56	1.36	0.37	2.96	4.38
113 Lat Phrao 2-3	LTP2-3	1.24	2.32	4.53	9.04	0.74	5.72	0.73	2.76	0.71	0.19	3.12	3.23
114 Don Muang 3	DNM3	9.73	8.10	12.22	12.37	1.01	12.81	1.92	6.27	2.82	0.76	6.98	7.21
115 Thanyaburi 2	TYB2	1.15	0.96	1.43	1.44	0.12	1.52	0.22	0.72	0.35	0.09	0.81	0.84
116 Rangsit 2	RST2	0.67	0.56	0.84	0.85	0.07	0.88	0.14	0.43	0.20	0.05	0.48	0.50
117 Nawa Nakhon 2	NWN2	7.82	1.59	3.55	2.68	0.22	1.69	1.81	2.02	1.55	0.42	7.47	4.91
118 Bang Su 3	BGS3	4.11	5.48	7.35	7.70	0.64	7.76	2.52	4.38	2.48	0.68	10.65	8.07
119 Ngam Wong Wan 3	NWW3	0.92	3.49	6.06	7.77	0.64	5.46	0.97	3.40	0.98	0.27	2.88	3.78
120 Nonthaburi 3	NTB3	0.38	3.44	5.90	13.37	1.10	2.06	3.05	1.58	0.21	0.06	2.70	3.54
121 Lak Si 3	LKS3	6.06	7.01	6.19	9.78	0.80	9.86	2.00	9.98	2.84	0.78	12.23	6.60
122 Ram Inthra 3	RIT3	1.80	3.90	12.09	20.23	1.67	22.95	1.97	6.60	1.50	0.40	5.37	6.61
123 Pak Kret 2	PKK2	0.71	2.99	3.86	5.03	0.41	4.72	0.82	2.69	1.60	0.44	4.27	3.84
124 Pathum Thani 2	PTT2	0.44	1.85	2.38	3.09	0.25	2.90	0.50	1.66	0.98	0.27	2.64	2.35
125 Bang Phun 2	BAN2	0.07	0.30	0.39	0.52	0.04	0.48	0.09	0.27	0.16	0.05	0.44	0.39
126 Chaeng Watthana 2	CWT2	1.30	3.41	5.36	8.48	0.69	5.40	1.19	2.87	1.06	0.29	3.50	4.50
127 Lak Si TC	LSTC	0.00	0.00	0.00	0.00	0.00	75.65	0.00	0.00	0.00	0.00	0.00	0.00
128 Phra Khanong TC	PNTC	0.00	0.00	179.39	103.15	8.46	0.00	55.04	122.25	97.71	26.63	205.01	201.01
129 Lat Ya TC	LYTC	39.93	120.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130 Lak Si International	LSIT	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00
131 Phra Khanong International	PNIT	0.00	0.00	25.26	5.00	0.41	0.00	8.88	18.94	5.39	1.47	44.74	19.32
132 Lat Ya International	LYIT	2.58	24.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC Total	TOTAL	430.49	1,623.81	2,530.20	1,624.16	133.22	1,515.10	565.26	1,445.03	892.32	243.20	1,878.44	2,053.89

10-4 BMA Traffic Matrix in 2007 (17/24)

		95	96	97	98	99	100	101	102	103	104	105	106
Switch Unit Name		BBB2	TNB2	LTY2	PSN3	BGT4	BBT3	CSW3	BKE3	NGK2	MSK2	DKN3	PPG3
1 Phloen Chit 3	PNC3	7.16	14.45	19.20	7.08	51.58	44.10	16.35	8.45	41.60	35.67	10.36	16.58
2 Asok Din Daeng 2	ASD2	2.51	7.75	7.50	2.21	20.31	17.36	10.40	5.08	16.93	14.53	5.18	7.95
3 Sukhumvit 1	SKW1	3.39	4.04	4.51	0.89	8.04	6.88	4.93	2.04	9.56	8.20	3.31	4.24
4 Samran Rat 4	SRR4	5.05	28.45	32.39	4.32	48.66	41.57	30.00	17.49	92.56	79.36	20.58	37.09
5 Krung Kasem 3	KKM3	3.11	13.12	7.49	3.23	48.62	41.56	31.56	8.24	15.19	13.03	6.72	6.46
6 Samsen 2	SMS2	0.50	2.48	1.52	0.92	6.23	5.33	2.59	1.16	3.88	3.32	1.42	1.08
7 Pathum Wan 2	PTW2	3.07	6.70	6.93	1.59	10.86	9.27	6.74	3.49	18.53	15.88	6.12	10.13
8 Surawong 4	SRW4	6.20	15.83	18.17	4.39	27.09	23.13	13.31	7.44	50.45	43.26	14.17	28.06
9 Surawong 5	SRW5	3.97	11.33	12.53	2.64	17.81	15.04	10.45	4.55	33.31	28.66	10.05	19.30
10 Chaiyaphruk 2	CYP2	1.62	1.87	2.59	0.47	7.59	6.50	3.31	0.75	2.50	2.15	1.42	1.31
11 Phra Khanong 2	PKG2	2.50	2.01	2.40	1.34	7.76	6.63	5.66	1.46	3.43	2.95	1.75	1.79
12 On Nut 1	ONT1	1.58	1.93	1.69	0.42	4.94	4.21	1.51	0.71	4.32	3.71	1.30	1.55
13 Trok Chan 2	TKC2	1.52	5.08	4.38	1.26	5.45	4.67	3.65	3.65	9.45	8.09	5.20	6.76
14 Thung Mahamek 2	TMM2	0.73	2.46	2.41	0.80	3.67	3.11	1.95	1.62	5.50	4.75	2.49	6.68
15 Sathupradit 2	STD2	1.18	1.54	1.77	0.34	2.22	1.87	1.73	1.83	7.56	6.47	2.49	4.44
16 Thanon Tok 2	TNT2	0.82	3.34	4.76	2.30	3.29	2.83	2.57	2.78	1.07	0.92	7.55	4.11
17 Khlong Toei 1	KT1	2.60	2.84	3.41	1.08	5.31	4.53	3.58	2.21	9.79	8.39	3.18	5.47
18 Hua Mak 2	HAM2	7.67	6.17	7.33	3.32	23.64	20.18	9.71	2.95	16.30	13.99	4.75	7.01
19 Khlong Chan 2	KGC2	1.73	1.70	1.67	0.89	6.96	5.94	4.34	0.89	3.05	2.62	1.40	1.53
20 Khlong Chan 3	KGC3	1.84	2.16	1.64	0.53	4.90	4.11	3.24	0.92	3.99	3.48	1.53	1.79
21 Ramkhamhaeng 1	RKN1	0.83	0.97	0.74	0.23	2.20	1.85	1.46	0.41	1.80	1.52	0.68	0.80
22 Bang Chan 1	BGC1	2.30	1.59	1.62	1.85	5.04	4.30	2.02	1.47	5.00	4.28	1.36	2.21
23 Lat Krabang 1	LKG1	1.79	0.86	1.00	1.48	1.04	0.87	0.42	1.70	2.16	1.83	0.85	0.76
24 Bang Na 2	BN2	3.69	2.07	2.31	0.41	4.77	4.09	2.73	1.16	3.68	3.15	1.31	2.57
25 Bang Na 3	BNA3	5.76	2.85	2.06	0.68	4.80	4.06	4.14	1.68	7.78	6.69	1.96	5.09
26 Samut Prakan 2	SPK2	0.59	0.29	0.32	0.25	0.44	0.38	0.53	0.13	0.51	0.44	0.27	1.18
27 Samut Prakan 3	SPK3	4.78	3.06	2.50	2.63	3.08	2.62	3.61	0.98	8.21	7.06	3.00	17.56
28 Bang Pu 1	BGU1	1.67	1.07	0.87	0.92	1.08	0.96	1.24	0.34	2.90	2.45	1.04	6.14
29 Pu Chao Saming Phrai 2	PSP2	6.26	2.40	2.39	1.13	4.90	4.19	3.22	1.99	8.78	7.53	2.52	9.96
30 Bang Phli 1	BPL1	6.96	0.51	0.47	0.51	1.49	1.26	1.00	0.29	2.33	2.00	0.64	1.77
31 Bang Phli 2	BPL2	28.52	2.11	1.93	2.10	6.11	5.12	4.08	1.19	9.51	8.22	2.63	7.22
32 Bang Phli Bang Bo 1	BBB1	4.81	0.36	0.33	0.35	1.03	0.90	0.69	0.20	1.61	1.38	0.44	1.22
33 Thon Buri 1	TNB1	0.51	28.18	10.27	2.03	14.13	12.06	11.60	8.13	18.47	15.83	9.75	8.80
34 Lat Ya T8	LTYT8	0.61	8.44	17.81	1.29	5.98	5.12	6.62	3.96	9.55	8.19	6.99	5.44
35 Phasi Charoen 2	PSN2	0.41	2.71	2.04	7.11	2.74	2.34	3.88	3.27	19.64	16.85	2.06	2.64
36 Bang Phlat 2	BGT2	1.53	8.26	5.63	2.96	58.77	50.24	15.26	5.63	24.14	20.71	4.41	4.63
37 Bang Phlat 3	BGT3	1.25	6.59	4.57	2.62	48.29	41.08	10.76	4.77	18.87	16.20	3.72	3.81
38 Bang Bue Thong 1	BBT1	0.15	0.78	0.53	0.31	5.67	4.85	1.27	0.56	2.23	1.91	0.45	0.45
39 Bang Bue Thong 2	BBT2	1.92	10.93	7.50	4.31	79.24	68.55	17.77	7.95	31.18	26.81	6.30	6.12
40 Charan Sanitwong 2	CSW2	0.80	11.19	7.42	2.93	23.62	20.20	45.02	8.00	22.40	19.21	4.63	5.56
41 Bang Khac 2	BKE2	0.64	8.50	1.91	3.23	8.69	7.38	9.37	28.81	17.54	15.03	5.05	5.57
42 Nong Khaem 1	NGK1	0.49	2.43	3.11	3.29	4.58	3.93	3.97	4.82	74.14	63.58	3.37	3.64
43 Muban Setakit 1	MSK1	0.71	3.48	4.47	4.73	6.57	5.64	5.70	6.91	106.53	91.35	4.85	5.23
44 Dao Khanong 2	DKN2	0.55	6.93	7.95	1.21	5.18	4.46	4.85	3.56	10.87	9.30	22.33	12.42
45 Phra Pradaeng 2	PPG2	2.78	8.50	8.64	3.41	9.61	8.20	5.74	5.09	19.44	16.65	15.01	152.74
46 Ekkachai 1	EKC1	0.57	7.27	6.40	2.30	3.06	2.63	4.31	3.66	16.23	13.91	11.93	7.20
47 Ekkachai 2	EKC2	0.66	8.52	7.51	2.69	3.60	3.13	5.06	4.27	19.04	16.31	14.00	8.44
48 Rat Burana 1	RBN1	1.67	10.33	10.48	1.59	6.79	5.78	6.51	6.44	18.23	15.62	19.86	26.23
49 Phahonyothin T2	PYT2	3.70	10.60	11.27	3.40	28.82	24.68	15.05	5.62	23.79	20.41	6.55	8.10
50 Inthamara 2	ITM2	0.50	1.50	1.67	0.23	5.90	5.06	3.69	0.80	3.85	3.30	1.22	2.61
51 Bang Khen 2	BGN2	0.91	1.56	1.84	0.28	4.68	4.01	3.38	0.90	4.26	3.65	1.31	1.02
52 Lat Phrao 1-2	LTP1-2	1.23	2.09	1.98	0.62	5.32	4.54	3.13	1.51	7.49	6.42	1.71	2.52
53 Lat Phrao 2-2	LTP2-2	0.83	1.51	1.87	1.03	4.24	3.62	2.92	1.39	3.79	3.26	1.29	2.18
54 Don Muang 2	DNM2	1.10	3.02	3.18	1.14	7.74	6.62	5.27	2.00	8.74	7.47	2.10	3.52
55 Thanyaburi 1	TYB1	0.29	0.77	0.82	0.30	2.02	1.74	1.46	0.53	2.34	2.01	0.58	0.98
56 Rangsit 1	RST1	0.12	0.32	0.34	0.12	0.84	0.72	0.60	0.22	0.98	0.83	0.24	0.40
57 Nawa Nakhon 1	NWN1	0.87	0.42	0.51	0.36	1.83	1.57	0.73	0.34	2.28	1.96	0.48	1.22
58 Bang Su 2	BGS2	1.59	4.02	3.29	1.59	13.27	11.37	7.44	2.66	10.58	9.10	2.83	4.68
59 Ngam Wong Wan 2	NWW2	0.98	2.91	2.40	1.68	9.93	8.49	4.77	1.35	7.26	6.24	1.90	2.81
60 Nonthaburi 2	NTB2	1.88	3.31	5.84	2.02	26.33	22.48	24.12	2.09	2.20	1.88	5.28	0.65
61 Lak Si T4	LKST4	0.58	0.84	0.86	0.69	3.64	3.12	1.30	0.52	1.92	1.64	0.58	0.61
62 Lak Si 2	LKS2	1.19	1.82	2.58	1.48	8.60	7.07	3.37	2.14	5.25	4.61	1.77	2.31
63 Ram Inthra 1	RT1	0.31	0.71	0.58	0.14	1.42	1.22	1.15	0.42	1.01	0.87	0.26	0.66
64 Ram Inthra 2	RT2	0.38	0.88	0.72	0.18	1.75	1.47	1.41	0.51	1.24	1.09	0.35	0.80
65 Pak Kret 1	PKK1	0.72	1.99	1.56	0.51	5.29	4.52	4.83	1.75	3.36	2.87	1.61	2.51
66 Pathum Thani 1	PTT1	0.35	0.97	0.76	0.25	2.57	2.17	2.34	0.85	1.63	1.39	0.79	1.22
67 Bang Phun 1	BAN1	0.13	0.39	0.30	0.10	1.04	0.86	0.95	0.35	0.67	0.56	0.31	0.49
68 Chaeng Watthana 1	CWT1	0.58	1.65	1.34	0.42	4.38	3.75	2.15	0.82	3.26	2.80	1.15	1.78
69 Phloen Chit 4	PNC4	4.85	10.25	14.15	5.25	39.69	33.95	11.14	6.12	29.47	25.27	7.10	10.52
70 Asok Din Daeng 3	ASD3	3.01	10.41	9.69	2.58	26.79	22.89	14.12	6.47	23.33	20.02	6.88	10.23
71 Sukhumvit 2	SKW2	2.16	2.57	2.87	0.57	5.12	4.38	3.14	1.30	6.09	5.22	2.11	2.70
72 Samran Rat 5	SRR5	1.71	9.07	10.87	1.37	14.43	12.33	9.54	5.92	33.28	28.53	6.90	12.02
73 Krung Kasem 4	KKM4	1.02	4.28	2.15	1.08	17.11	14.63	11.12	2.69	4.25	3.65	2.06	2.07

10-4 BMA Traffic Matrix in 2007 (18/24)

		95	96	97	98	99	100	101	102	103	104	105	106
Switch Unit Name		BBB2	TNB2	LTY2	PSN3	BGT4	BBT3	CSW3	BKE3	NGK2	MSK2	DKN3	PPG3
74 Sansen 3	SMS3	0.50	1.49	1.12	0.45	5.77	4.93	2.22	0.92	3.08	2.63	0.74	0.90
75 Pathum Wan 3	PTW3	1.55	2.46	2.17	0.63	4.56	3.89	2.95	1.70	6.71	5.75	2.32	2.27
76 Surawong 6	SRW6	5.27	15.03	16.62	3.49	23.62	20.17	13.93	6.06	44.29	37.97	13.37	25.69
77 Chaiyaphruk 3	CYP3	0.36	0.58	0.80	0.09	1.98	1.70	1.00	0.31	0.59	0.50	0.32	0.45
78 Phra Khanong 3	PKG3	0.99	0.81	0.93	0.57	2.91	2.49	2.14	0.58	1.37	1.18	0.70	0.47
79 On Nut 2	ONT2	1.13	1.39	1.22	0.31	3.56	3.03	1.09	0.51	3.11	2.67	0.94	1.12
80 Trok Chan 3	TKC3	0.25	1.11	0.87	0.15	1.02	0.87	0.82	0.68	1.75	1.49	1.10	1.49
81 Thung Mahamek 3	TMM3	0.57	1.93	1.89	0.62	2.87	2.43	1.53	1.27	4.31	3.72	1.96	5.23
82 Sathupradit 3	STD3	0.55	0.70	0.84	0.15	1.03	0.87	0.82	0.73	3.42	2.93	1.11	1.97
83 Thanon Tok 3	TNT3	0.28	1.14	1.62	0.79	1.12	0.96	0.88	0.95	0.37	0.31	2.58	1.41
84 Khlong Toei 1	KTU2	2.57	2.81	3.37	1.06	5.24	4.47	3.54	2.18	9.67	8.28	3.14	5.40
85 Hua Mak 3	HAM3	4.55	3.64	4.24	1.98	12.48	10.65	5.26	1.67	10.04	8.62	2.77	4.14
86 Khlong Chan 4	KGC4	2.70	3.17	2.41	0.77	7.18	6.12	4.75	1.34	5.86	5.03	2.21	2.64
87 Ramkarnhaeng 2	RKN2	0.22	0.26	0.20	0.06	0.59	0.50	0.39	0.11	0.48	0.41	0.18	0.21
88 Bang Chan 2	BGC2	2.66	1.84	1.87	2.14	5.84	4.98	2.34	1.70	5.79	4.96	1.57	2.56
89 Lat Krabang 2	LKG2	1.64	0.78	0.91	1.36	0.95	0.80	0.39	1.55	1.97	1.68	0.78	0.70
90 Bang Na 4	BNA4	6.31	3.13	2.28	0.74	5.28	4.51	4.55	1.85	8.56	7.33	2.16	5.61
91 Samut Prakan 4	SPK4	1.99	1.27	1.04	1.09	1.28	1.09	1.50	0.41	3.41	2.93	1.25	7.29
92 Bang Pu 2	BQU2	0.53	0.34	0.28	0.29	0.34	0.30	0.39	0.11	0.92	0.78	0.33	1.95
93 Pu Chao Saming Phrai 3	PSP3	7.47	2.80	2.49	1.48	4.93	4.22	3.41	2.13	10.95	9.39	2.93	12.82
94 Bang Phli 4	BPL4	26.71	1.97	1.82	1.96	5.70	4.85	3.84	1.13	8.95	7.69	2.47	6.79
95 Bang Phli Bang Bo 2	BBB2	3.89	0.29	0.27	0.29	0.83	0.72	0.56	0.16	1.30	1.11	0.36	0.98
96 Thon Buri 2	TNB2	0.18	9.76	3.56	0.70	4.90	4.18	4.02	2.82	6.40	5.48	3.38	3.05
97 Lat Ya 2	LTY2	0.43	5.97	12.60	0.92	4.23	3.62	4.68	2.80	6.75	5.79	4.95	3.84
98 Phasi Charoen 3	PSN3	0.21	1.07	0.95	3.20	1.29	1.09	1.50	1.22	7.50	6.43	0.90	1.37
99 Bang Phlat 4	BGT4	1.40	7.33	5.05	2.90	53.49	45.73	11.95	5.28	21.05	18.04	4.20	4.18
100 Bang Bus Thong 3	BBT3	1.21	6.26	4.31	2.49	45.70	39.08	10.20	4.53	17.96	15.44	3.62	3.59
101 Charan Sanitwong 3	CSW3	0.45	5.83	4.12	1.54	12.00	10.27	24.45	4.02	11.86	10.17	2.54	2.95
102 Bang Khae 3	BKE3	0.29	3.21	0.13	1.02	3.01	2.55	3.11	11.47	8.72	7.47	1.84	2.24
103 Nong Khaem 2	NGK2	0.43	2.14	2.75	2.91	4.05	3.47	3.51	4.26	65.55	56.21	2.98	3.22
104 Muban Sattakit 2	MSK2	0.65	3.19	4.10	4.33	6.03	5.17	5.23	6.34	97.64	83.72	4.44	4.79
105 Dao Khanong 3	DKN3	0.25	3.15	3.61	0.55	2.35	2.04	2.20	1.62	4.93	4.22	10.13	5.64
106 Phra Pradaeng 3	PPG3	1.26	3.89	4.07	1.60	4.46	3.81	2.68	2.29	9.08	7.77	6.83	70.27
107 Ekkachai 3	EKC3	1.71	21.70	19.11	6.86	9.13	7.84	12.86	10.91	48.43	41.52	35.61	21.50
108 Rai Burana 2	RBN2	0.99	6.11	6.20	0.94	4.01	3.42	3.85	3.81	10.79	9.24	11.75	15.52
109 Phahonyothin 4	PYT4	1.77	5.38	5.60	1.87	13.30	11.39	7.04	2.79	11.40	9.78	3.27	4.08
110 Inhamara 3	ITM3	0.59	1.75	1.95	0.27	6.88	5.90	4.30	0.94	4.50	3.86	1.42	3.04
111 Bang Khen 3	BGN3	0.40	0.69	0.82	0.12	2.08	1.78	1.50	0.40	1.89	1.62	0.58	0.45
112 Lat Phrao 1-3	LTP1-3	0.64	1.27	1.09	0.27	2.51	2.15	1.77	0.75	4.44	3.80	1.02	1.35
113 Lat Phrao 2-3	LTP2-3	0.47	0.80	1.03	0.55	2.49	2.13	1.64	0.79	2.29	1.97	0.72	1.20
114 Don Muang 3	DNM3	1.05	2.81	2.97	1.03	7.31	6.25	5.26	1.93	8.51	7.27	2.04	3.49
115 Thanyaburi 2	TYB2	0.12	0.33	0.35	0.13	0.85	0.74	0.62	0.22	0.99	0.85	0.25	0.42
116 Rangsit 2	RST2	0.07	0.19	0.20	0.07	0.50	0.43	0.36	0.13	0.59	0.50	0.14	0.24
117 Nawa Nakhon 2	NWN2	0.71	0.35	0.42	0.30	1.49	1.28	0.59	0.28	1.86	1.59	0.40	0.99
118 Bang Su 3	BGS3	1.17	2.84	2.23	1.16	8.43	7.23	4.84	1.88	7.04	6.05	2.14	3.59
119 Ngam Wong Wan 3	NWW3	0.55	1.53	1.29	0.94	4.87	4.17	2.56	0.77	3.87	3.33	1.00	1.48
120 Nonthaburi 3	NTB3	0.52	0.91	1.60	0.55	7.21	6.15	6.60	0.57	0.60	0.52	1.45	0.18
121 Lak Si 3	LKS3	0.96	1.52	2.09	1.24	7.09	6.09	2.73	1.69	4.25	3.64	1.40	1.88
122 Ram Inthra 3	RII3	0.97	2.25	1.83	0.44	4.50	3.85	3.63	1.34	3.20	2.76	0.83	2.09
123 Pak Kret 2	PKK2	0.56	1.55	1.22	0.40	4.12	3.53	3.77	1.37	2.62	2.24	1.25	1.96
124 Pathum Thani 2	PTT2	0.34	0.96	0.75	0.24	2.54	2.14	2.31	0.84	1.61	1.37	0.78	1.21
125 Bang Phun 2	BAN2	0.05	0.16	0.12	0.04	0.42	0.35	0.38	0.14	0.27	0.23	0.13	0.20
126 Chaeng Watthana 2	CWT2	0.65	1.84	1.50	0.47	4.91	4.20	2.41	0.91	3.65	3.14	1.29	1.99
127 Lak Si TC	LSTC	0.00	0.00	0.00	0.00	0.00	120.63	0.00	0.00	0.00	0.00	0.00	0.00
128 Phra Khanong TC	PNTC	29.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129 Lat Ya TC	LYTC	0.00	27.54	35.41	32.14	141.13	0.00	75.40	33.84	75.09	64.40	27.37	79.00
130 Lak Si International	LSIT	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
131 Phra Khanong International	PNIT	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132 Lat Ya International	LYIT	0.00	1.50	2.76	1.86	6.19	0.00	1.29	2.16	12.75	10.94	1.43	4.31
IC Total	TOTAL	298.73	549.01	535.56	220.48	1,362.73	1,164.48	767.07	387.51	1,629.04	1,397.21	507.11	914.74

10-4 BMA Traffic Matrix in 2007 (19/24)

		107	108	109	110	111	112	113	114	115	116	117	118
Switch Unit Name		EKC3	RBN2	PYT4	ITM3	BGN3	LTP1-3	LTP2-3	DNM3	TYB2	RST2	NWN2	BGS3
1 Phloen Chit 3	PNC3	48.19	19.08	191.90	39.34	17.50	27.78	13.54	45.12	9.63	3.10	30.06	4.68
2 Asok Din Daeng 2	ASD2	23.69	9.58	60.56	38.44	12.06	15.38	12.95	29.78	6.37	2.05	7.65	4.37
3 Sukhumvit 1	SKW1	18.13	5.92	22.47	12.44	5.42	6.70	5.13	30.84	6.59	2.12	11.92	13.58
4 Sanran Rat 4	SRR4	104.17	40.65	82.48	28.83	13.60	17.95	9.29	35.62	7.65	2.45	9.65	16.54
5 Krung Kasem 3	KKM3	56.04	9.80	112.15	24.53	23.32	19.81	6.41	70.93	15.14	4.88	8.33	22.42
6 Samsen 2	SMS2	4.23	1.59	13.31	5.90	2.83	3.22	1.87	6.75	1.43	0.47	0.71	7.75
7 Pathum Wan 2	PTW2	35.54	12.40	31.35	12.68	5.16	8.04	3.90	18.54	3.97	1.27	5.19	3.70
8 Surawong 4	SRW4	71.54	30.01	87.59	26.70	13.05	19.52	8.79	42.03	8.98	2.89	15.83	4.08
9 Surawong 5	SRW5	52.71	22.05	54.66	18.25	7.79	12.70	5.45	32.50	6.84	2.21	10.70	2.65
10 Chaiyaphruk 2	CYP2	6.28	2.52	8.53	6.21	2.77	3.07	5.30	1.02	0.23	0.07	1.95	6.67
11 Phra Khanong 2	PKG2	8.23	2.99	8.63	5.86	2.27	4.21	7.07	1.61	0.37	0.11	1.45	9.27
12 On Nut 1	ONT1	7.28	2.63	9.67	6.54	1.89	3.70	2.76	5.94	1.28	0.41	0.86	4.71
13 Trok Chan 2	TCK2	23.10	9.24	11.19	8.83	2.89	2.91	2.05	5.52	1.20	0.38	1.71	3.63
14 Thung Mahamek 2	TMM2	9.04	4.68	16.24	5.63	1.48	4.00	1.67	3.52	0.74	0.24	0.92	1.62
15 Sathupradit 2	STD2	15.71	4.80	4.15	2.59	0.88	1.13	1.02	2.52	0.54	0.17	2.28	0.39
16 Thanon Tok 2	TNT2	21.28	9.52	7.03	5.08	1.77	1.79	1.51	6.62	3.64	0.46	0.58	0.63
17 Khlong Toei 1	KTI1	14.04	8.11	20.55	9.09	3.45	4.64	2.47	10.81	2.32	0.75	2.51	8.93
18 Hua Mak 2	HAM2	24.29	10.31	48.46	23.73	10.94	15.17	15.37	25.85	5.52	1.78	10.30	6.73
19 Khlong Chan 2	KGC2	6.06	2.93	11.18	8.72	3.51	5.17	6.03	6.21	1.33	0.43	2.65	5.07
20 Khlong Chan 3	KGC3	6.66	3.21	13.04	9.64	3.74	5.11	5.59	10.52	2.33	0.72	2.16	0.88
21 Ramkhamhaeng 1	RKN1	2.98	1.44	5.84	4.30	1.67	2.29	2.50	4.72	0.97	0.32	0.97	0.44
22 Bang Chan 1	BGC1	9.11	2.85	11.52	8.18	3.89	5.28	4.82	14.07	3.03	0.97	1.43	8.68
23 Lat Krabang 1	LKG1	4.54	1.41	9.98	2.43	0.49	1.64	1.02	2.61	0.55	0.18	0.82	1.36
24 Bang Na 2	BN2	7.49	3.07	7.97	4.82	1.67	2.27	2.05	2.50	0.53	0.17	1.31	5.79
25 Bang Na 3	BNA3	12.49	4.86	15.96	7.76	2.62	3.85	2.29	6.77	16.82	0.46	1.83	7.54
26 Samut Prakan 2	SPK2	0.98	0.56	0.95	0.47	0.25	0.29	0.32	0.42	0.08	0.03	0.31	0.45
27 Samut Prakan 3	SPK3	9.05	4.86	10.33	4.30	2.69	2.34	2.00	7.02	1.59	0.50	2.26	2.67
28 Bang Pu 1	BGU1	3.16	1.70	3.65	1.49	0.93	0.82	0.69	2.48	0.51	0.17	0.79	0.92
29 Pu Chao Saming Phrai 2	PSP2	18.20	7.99	11.88	5.80	2.46	2.70	2.97	7.24	1.57	0.50	4.26	10.44
30 Bang Phli 1	BPL1	3.27	1.86	2.64	1.37	0.79	1.30	0.67	2.54	0.55	0.18	1.15	2.45
31 Bang Phli 2	BPL2	13.44	7.67	10.86	5.63	3.22	5.31	2.72	10.46	2.34	0.72	4.75	9.95
32 Bang Phli Bang Bo 1	BBB1	2.27	1.29	1.83	0.94	0.55	0.90	0.46	1.75	0.36	0.12	0.80	1.68
33 Thon Buri 1	TNB1	42.75	10.85	10.18	3.97	1.75	2.62	1.74	7.94	1.71	0.55	1.57	1.25
34 Lat Ya T8	LYT8	25.30	8.96	8.52	3.32	1.20	1.59	1.00	3.71	0.79	0.26	0.68	0.48
35 Phasi Charoen 2	PSN2	15.50	3.08	3.30	1.05	0.70	0.67	0.57	3.20	0.68	0.22	1.48	0.77
36 Bang Phlat 2	BGT2	23.72	7.78	18.86	8.37	5.05	5.73	3.30	11.15	2.37	0.77	2.28	9.59
37 Bang Phlat 3	BGT3	18.07	6.11	13.90	6.04	3.70	4.22	2.40	8.70	1.77	0.59	1.82	3.44
38 Bang Bue Thong 1	BBT1	2.12	0.72	1.64	0.71	0.43	0.49	0.28	1.02	0.22	0.07	0.22	0.42
39 Bang Bue Thong 2	BBT2	29.85	9.92	22.82	10.04	5.90	6.87	3.94	14.05	2.91	1.04	3.14	5.64
40 Charan Sanitwong 2	CSW2	26.90	7.35	14.89	6.16	2.83	4.28	2.52	9.55	2.02	0.66	1.24	2.20
41 Bang Khae 2	BKE2	22.69	9.29	9.20	3.19	1.65	1.76	1.45	3.29	0.68	0.23	0.97	4.44
42 Nong Khaem 1	NGK1	18.39	4.44	5.20	1.61	1.02	1.49	0.54	3.49	0.76	0.24	1.41	3.42
43 Muban Setakit 1	MSK1	26.43	6.39	7.45	2.32	1.46	2.14	0.77	5.03	1.06	0.35	2.03	4.91
44 Dao Khanong 2	DKN2	72.64	23.05	7.99	4.10	1.23	0.64	1.27	3.00	0.62	0.21	0.53	1.58
45 Phra Pradaeng 2	PPG2	59.68	56.75	13.72	4.76	2.42	3.22	2.35	7.86	1.70	0.54	3.49	11.33
46 Ekkachai 1	EKC1	146.58	15.82	5.86	2.83	1.06	1.22	0.96	2.74	0.59	0.19	0.83	4.20
47 Ekkachai 2	EKC2	171.83	18.56	6.86	3.30	1.25	1.43	1.13	3.19	0.74	0.23	0.96	4.96
48 Rat Burana 1	RBN1	74.66	84.29	9.90	4.24	2.74	2.92	1.47	8.02	1.70	0.55	1.16	7.19
49 Phahonyothin T2	PYT2	29.17	11.01	224.39	73.54	28.37	38.19	16.16	66.76	14.22	4.59	13.20	57.85
50 Inthamara 2	ITM2	4.81	2.71	25.82	33.98	4.32	6.84	4.55	10.69	2.28	0.74	1.04	9.55
51 Bang Khen 2	BGN2	4.17	2.33	23.49	11.21	31.88	10.25	5.29	16.16	3.45	1.11	2.89	2.30
52 Lat Phrao 1-2	LTP1-2	7.74	2.57	16.56	14.92	9.91	23.59	8.00	24.41	5.21	1.66	2.40	3.26
53 Lat Phrao 2-2	LTP2-2	6.65	2.67	14.23	10.26	6.31	8.18	19.36	11.00	2.37	0.76	1.37	2.07
54 Don Muang 2	DNM2	7.54	3.60	36.01	13.39	10.32	13.68	5.73	243.14	52.01	16.73	13.87	12.50
55 Thanyaburi 1	TYB1	2.01	0.95	9.20	3.36	2.71	3.57	1.46	67.47	14.39	4.63	3.87	3.58
56 Rangsit 1	RST1	0.82	0.38	3.81	1.38	1.11	1.47	0.60	27.86	5.95	1.92	1.60	1.46
57 Nawa Nakhon 1	NWN1	4.29	1.37	6.29	2.71	2.32	1.60	0.83	23.65	5.07	1.63	36.04	27.94
58 Bang Su 2	BGS2	17.63	5.49	29.03	13.12	6.64	9.21	4.14	14.13	3.07	0.97	41.33	61.49
59 Ngam Wong Wan 2	NWW2	10.88	3.76	28.32	15.03	11.22	9.43	5.54	22.14	4.73	1.53	2.82	30.39
60 Nonthaburi 2	NTB2	29.41	5.59	16.09	16.67	14.89	13.10	6.92	55.63	11.94	3.83	11.20	95.31
61 Lak Si T4	LKST4	2.29	1.35	12.93	3.79	3.92	2.81	1.71	17.07	3.65	1.17	2.99	0.95
62 Lak Si 2	LKS2	7.85	2.94	46.20	8.90	8.87	6.56	4.16	56.89	11.99	3.96	11.80	2.42
63 Ram Inthra 1	RTI1	1.83	0.86	5.93	2.71	1.98	2.41	2.29	6.44	1.38	0.44	0.43	2.50
64 Ram Inthra 2	RTI2	2.23	1.07	7.27	3.34	2.44	2.99	2.83	7.93	1.78	0.56	0.55	3.10
65 Pak Kret 1	PKK1	7.49	3.39	9.83	5.58	4.35	2.91	3.57	12.18	2.62	0.84	3.77	9.21
66 Pathum Thani 1	PTI1	3.66	1.65	4.77	2.72	2.12	1.42	1.74	5.93	1.26	0.41	1.84	4.49
67 Bang Phun 1	BAN1	1.49	0.66	1.92	1.10	0.86	0.57	0.70	2.41	0.51	0.17	0.75	1.82
68 Chaeng Watthana 1	CWT1	4.47	1.70	16.05	6.86	5.10	5.46	2.50	17.54	3.76	1.21	1.70	10.81
69 Phloen Chit 4	PNC4	34.08	13.02	144.64	26.98	11.24	18.17	9.11	31.15	6.65	2.14	22.95	2.82
70 Asok Din Daeng 3	ASD3	30.31	12.67	77.27	48.31	14.76	19.54	18.26	40.03	8.58	2.76	9.56	5.97
71 Sukhumvit 2	SKW2	11.55	3.77	14.32	7.93	3.45	4.27	3.27	19.65	4.20	1.35	7.60	8.65
72 Sanran Rat 5	SRR5	35.84	13.02	21.45	9.25	4.21	5.56	2.84	11.56	2.48	0.79	2.59	1.58
73 Krung Kasem 4	KKM4	19.89	2.87	38.06	7.54	7.98	6.65	1.96	25.47	5.43	1.75	2.76	5.83

10-4 BMA Traffic Matrix in 2007 (20/24)

		107	108	109	110	111	112	113	114	115	116	117	118
Switch Unit Name		EKC3	RBN2	PYT4	ITM3	BGN3	LTP1-3	LTP2-3	DNM3	TYB2	RST2	NWN2	BGS3
74 Samsen 3	SMS3	2.93	1.50	10.87	3.87	2.29	2.53	1.51	4.38	0.92	0.30	0.67	7.02
75 Pathum Wan 3	PTW3	11.80	4.34	11.36	5.71	2.38	3.28	1.85	6.95	1.48	0.48	1.73	0.93
76 Surawong 6	SRW6	69.98	29.28	72.41	24.23	10.31	16.85	7.23	43.09	9.21	2.97	14.29	3.65
77 Chaiphakruk 3	CYP3	1.72	0.65	2.36	1.82	0.74	0.70	1.34	0.27	0.06	0.02	0.55	2.34
78 Phra Khanong 3	PKG3	2.98	1.14	3.37	2.30	0.81	1.76	2.62	0.65	0.15	0.05	0.55	3.53
79 On Nut 2	ONT2	5.23	1.89	6.96	4.70	1.36	2.66	1.99	4.27	0.92	0.29	0.62	3.39
80 Trok Chan 3	TKC3	4.94	1.96	2.01	1.11	0.58	0.60	0.49	1.28	0.28	0.09	0.39	0.87
81 Thung Mahamek 3	TMM3	7.07	3.66	12.71	4.92	1.16	3.13	1.31	2.76	0.56	0.19	0.72	1.27
82 Sathupradit 3	STD3	6.47	2.02	1.89	1.10	0.36	0.55	0.47	1.19	0.25	0.08	0.43	0.12
83 Thanon Tok 3	TNT3	7.26	3.25	2.40	1.73	0.60	0.61	0.52	2.26	0.49	0.16	0.20	0.21
84 Khlong Toei 1	KT12	13.86	8.00	20.28	8.97	3.41	4.58	2.43	10.68	2.29	0.74	2.48	8.81
85 Hua Mak 3	HAM3	14.60	6.21	29.27	13.70	6.41	8.80	8.26	16.62	3.55	1.14	6.27	2.22
86 Khlong Chan 4	KGC4	9.78	4.70	19.01	14.04	5.45	7.47	8.17	15.38	3.30	1.06	3.15	1.34
87 Ramkarnhaeng 2	RKN2	0.80	0.39	1.56	1.15	0.45	0.61	0.67	1.27	0.26	0.09	0.26	0.12
88 Bang Chan 2	BGC2	10.56	3.30	13.35	9.47	4.50	6.12	5.58	16.30	3.51	1.12	1.66	10.06
89 Lat Krabang 2	LKG2	4.16	1.29	9.13	2.23	0.45	1.50	0.94	2.39	0.51	0.16	0.75	1.24
90 Bang Na 4	BNA4	13.70	5.35	17.51	8.53	2.87	4.25	2.51	7.40	1.59	0.50	2.03	8.26
91 Samut Prakan 4	SPK4	3.76	2.02	4.29	1.79	1.12	0.97	0.83	2.91	0.66	0.21	0.94	1.11
92 Bang Pu 2	BGU2	1.00	0.54	1.16	0.47	0.29	0.26	0.22	0.79	0.16	0.06	0.25	0.29
93 Pu Chao Saming Phrai 3	PSP3	22.07	9.93	16.46	7.04	2.97	3.18	2.54	10.18	2.21	0.70	5.75	13.51
94 Bang Phli 4	BPL4	12.54	7.15	10.13	5.24	3.02	4.98	2.55	9.76	2.09	0.68	4.42	9.39
95 Bang Phli Bang Bo 2	BBB2	1.83	1.04	1.48	0.76	0.44	0.72	0.37	1.41	0.29	0.10	0.65	1.36
96 Thon Buri 2	TNB2	14.81	3.76	3.53	1.38	0.61	0.91	0.60	2.75	0.59	0.19	0.55	0.43
97 Lat Ya 2	LY2	17.89	6.34	6.02	2.35	0.85	1.13	0.71	2.62	0.56	0.18	0.48	0.34
98 Phasi Charoen 3	PSN3	6.59	1.24	1.78	0.36	0.36	0.27	0.30	1.85	0.39	0.13	1.05	0.41
99 Bang Phlat 4	BGT4	20.02	6.80	15.48	6.76	4.05	4.64	2.63	9.61	2.05	0.66	2.06	3.96
100 Bang Bue Thong 3	BBT3	17.13	5.80	13.25	5.76	3.47	3.97	2.25	8.23	1.81	0.56	1.77	3.40
101 Charan Sanitwong 3	CSW3	14.90	3.98	7.89	3.39	1.51	2.34	1.44	4.94	1.04	0.34	0.69	1.05
102 Bang Khae 3	BKE3	9.20	3.51	3.76	1.16	0.64	0.71	0.54	1.22	0.25	0.08	0.45	2.04
103 Nong Khaem 2	NGK2	16.26	3.93	4.59	1.43	0.90	1.31	0.48	3.09	0.67	0.21	1.25	3.03
104 Muban Sattakit 2	MSK2	24.23	5.85	6.83	2.12	1.34	1.96	0.71	4.61	0.97	0.32	1.86	4.50
105 Dao Khanong 3	DKN3	32.98	10.46	3.63	1.86	0.56	0.29	0.58	1.36	0.28	0.10	0.24	0.72
106 Phra Pradaeng 3	PPG3	26.84	26.14	6.40	2.11	1.13	1.52	1.10	3.59	0.78	0.25	1.64	5.35
107 Ekkachai 3	EKC3	437.52	47.23	17.48	8.44	3.17	3.64	2.86	8.18	1.77	0.56	2.47	12.53
108 Rat Burana 2	RBN2	44.17	49.87	5.86	2.51	1.62	1.73	0.87	4.74	1.01	0.33	0.69	4.25
109 Phahonyothin 4	PYT4	13.52	5.22	112.92	36.94	14.28	18.67	8.92	32.67	6.95	2.25	6.44	27.75
110 Inthamara 3	ITM3	5.61	3.17	30.15	39.67	5.04	7.99	5.32	12.48	2.66	0.86	1.22	11.15
111 Bang Khen 3	BGN3	1.85	1.03	10.42	4.97	14.14	4.54	2.35	7.17	1.53	0.49	1.28	1.01
112 Lat Phrao 1-3	LTP1-3	3.79	1.41	6.90	7.91	5.27	12.86	4.04	14.19	3.03	0.98	1.46	0.82
113 Lat Phrao 2-3	LTP2-3	3.37	1.60	8.44	6.16	3.44	4.37	9.44	5.78	1.24	0.40	0.61	1.05
114 Don Muang 3	DNM3	7.24	3.38	33.26	12.09	9.73	12.86	5.27	243.16	52.01	16.73	13.94	12.83
115 Thanayaburi 2	TYB2	0.85	0.40	3.90	1.42	1.15	1.51	0.62	28.58	6.09	1.96	1.64	1.52
116 Rangsit 2	RST2	0.49	0.23	2.29	0.83	0.67	0.89	0.36	16.72	3.57	1.15	0.96	0.88
117 Nawa Nakhon 2	NWN2	3.50	1.12	5.13	2.21	1.89	1.31	0.67	19.28	4.13	1.33	29.38	22.78
118 Bang Su 3	BGS3	13.71	3.75	20.58	9.06	4.68	6.40	2.79	9.41	2.04	0.65	35.65	38.95
119 Ngam Wong Wan 3	NWW3	5.91	1.88	14.86	8.01	6.07	4.95	2.90	11.93	2.55	0.82	1.54	17.16
120 Nonthaburi 3	NTB3	8.05	1.53	4.40	4.56	4.07	3.59	1.89	15.22	3.27	1.05	3.06	26.08
121 Lak Si 3	LKS3	6.46	2.36	37.63	7.30	7.29	5.37	3.41	46.39	9.94	3.19	9.67	2.00
122 Ram Inthra 3	RIF3	5.78	2.72	18.72	8.55	6.25	7.63	7.23	20.36	4.36	1.40	1.37	7.88
123 Pak Kret 2	PKK2	5.84	2.65	7.66	4.35	3.39	2.27	2.78	9.50	2.05	0.65	2.94	7.18
124 Pathum Thani 2	PTT2	3.61	1.63	4.71	2.68	2.09	1.40	1.71	5.84	1.24	0.40	1.81	4.43
125 Bang Phun 2	BAN2	0.60	0.27	0.78	0.45	0.35	0.23	0.28	0.97	0.20	0.07	0.30	0.73
126 Chaeng Watthana 2	CWT2	5.01	1.91	17.98	7.68	5.72	6.12	2.80	19.64	4.21	1.35	1.90	12.11
127 Lak Si TC	LSTC	0.00	0.00	0.00	0.00	47.40	63.47	107.09	564.04	125.26	38.82	29.41	61.63
128 Phra Khanong TC	PNTC	0.00	0.00	254.55	91.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129 Lat Ya TC	LYTC	98.08	47.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130 Lak Si International	LSIT	0.00	0.00	0.00	0.00	3.18	4.79	2.70	38.51	8.55	2.65	33.20	11.90
131 Phra Khanong International	PNIT	0.00	0.00	21.44	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132 Lat Ya International	LYIT	13.44	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IC Total	TOTAL	2,826.69	987.69	2,885.91	1,184.66	611.50	742.46	541.93	2,728.88	606.09	187.93	614.56	1,007.23

10-4 BMA Traffic Matrix in 2007 (21/24)

Switch Unit Name		119	120	121	122	123	124	125	126	127	128	129	130	131
		NWW3	NTB3	LKS3	RIT3	PKK2	PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	
1 Phloen Chit 3	PNC3	22.91	13.69	16.43	21.53	16.92	12.12	1.72	27.33	40.26	0.00	0.00	0.00	7.23
2 Asok Din Daeng 2	ASD2	18.35	11.26	19.46	14.09	10.28	7.37	1.05	20.36	19.34	0.00	0.00	0.00	3.48
3 Sukhumwit 1	SKW1	6.55	3.40	11.43	7.25	4.60	3.30	0.47	7.41	9.28	0.00	0.00	0.00	1.70
4 Samran Rat 4	SRR4	18.44	14.04	22.70	17.44	21.55	15.46	2.19	23.39	30.07	0.00	0.00	0.00	5.55
5 Krung Kasem 3	KKM3	24.19	8.94	34.48	10.59	27.56	19.75	2.81	30.30	15.38	0.00	0.00	0.00	4.12
6 Samsen 2	SMS2	5.38	4.72	2.53	4.09	5.36	3.85	0.55	5.61	6.63	0.00	0.00	0.00	1.12
7 Pathum Wan 2	PTW2	6.76	4.29	10.83	7.11	6.05	4.35	0.62	9.72	12.69	0.00	0.00	0.00	2.17
8 Surawong 4	SRW4	16.36	8.88	26.92	14.69	15.02	10.76	1.53	25.05	32.56	0.00	0.00	0.00	5.71
9 Surawong 5	SRW5	9.91	6.73	21.35	10.55	9.36	6.70	0.94	16.64	24.56	0.00	0.00	0.00	3.65
10 Chaiyaphruk 2	CYP2	4.12	2.24	2.24	4.51	1.21	0.87	0.12	4.33	0.00	6.87	0.00	0.00	0.86
11 Phra Khanong 2	PKG2	3.97	1.56	3.11	5.16	1.95	1.40	0.20	3.31	0.00	6.08	0.00	0.00	0.87
12 On Nut 1	ONT1	3.51	1.73	2.85	6.61	1.99	1.42	0.20	3.18	0.00	3.73	0.00	0.00	0.70
13 Trok Chan 2	TKC2	2.95	2.92	4.61	3.50	3.28	2.36	0.33	3.59	0.00	6.62	0.00	0.00	1.45
14 Thung Mahamek 2	TMM2	3.06	1.16	2.23	1.62	1.48	1.06	0.15	4.76	0.00	8.79	0.00	0.00	1.85
15 Sathupradit 2	STD2	1.43	1.00	1.88	1.33	1.01	0.72	0.10	1.32	0.00	1.92	0.00	0.00	0.76
16 Thanon Tok 2	TNT2	1.39	1.49	1.12	3.09	1.99	1.41	0.20	1.58	0.00	11.68	0.00	0.00	1.19
17 Khlong Toei 1	KTIL	4.76	2.42	9.60	5.10	3.21	2.30	0.33	3.95	0.00	6.62	0.00	0.00	1.10
18 Hua Mak 2	HAM2	13.91	9.83	13.76	29.36	8.80	6.33	0.90	13.96	0.00	22.58	0.00	0.00	2.32
19 Khlong Chan 2	KGC2	4.96	2.55	3.01	17.35	2.75	1.96	0.28	5.49	0.00	5.94	0.00	0.00	0.93
20 Khlong Chan 3	KGC3	4.37	2.21	4.23	14.51	3.98	2.85	0.40	5.31	0.00	4.76	0.00	0.00	0.90
21 Ramkhamhaeng 1	RKN1	1.96	1.01	1.87	6.49	1.78	1.26	0.18	2.38	0.00	2.13	0.00	0.00	0.40
22 Bang Chan 1	BGC1	5.10	2.87	9.36	20.13	6.35	4.56	0.65	3.92	0.00	6.58	0.00	0.00	1.07
23 Lat Krabang 1	LKG1	1.95	1.37	1.31	1.34	0.68	0.49	0.07	3.50	0.00	2.71	0.00	0.00	6.66
24 Bang Na 2	BN2	2.63	1.41	2.32	3.67	1.55	1.12	0.16	2.29	0.00	5.29	0.00	0.00	0.86
25 Bang Na 3	BNA3	4.66	2.05	5.09	6.51	3.27	2.33	0.33	3.32	0.00	6.16	0.00	0.00	1.08
26 Samut Prakan 2	SPK2	0.42	0.36	0.31	0.45	0.25	0.18	0.03	0.24	0.00	1.01	0.00	0.00	0.17
27 Samut Prakan 3	SPK3	4.86	1.71	4.23	4.18	3.01	2.14	0.30	3.27	0.00	6.66	0.00	0.00	1.49
28 Bang Pu 1	BGU1	1.70	0.62	1.46	1.48	1.05	0.77	0.11	1.14	0.00	2.38	0.00	0.00	0.53
29 Pu Chao Saming Phrai 2	PSP2	3.74	2.16	4.06	4.60	3.55	2.54	0.36	2.53	0.00	6.33	0.00	0.00	1.23
30 Bang Phli 1	BPL1	1.00	0.56	1.60	1.16	0.85	0.60	0.09	0.94	0.00	2.01	0.00	0.00	0.58
31 Bang Phli 2	BPL2	4.11	2.24	6.58	4.85	3.43	2.53	0.37	3.84	0.00	8.26	0.00	0.00	2.39
32 Bang Phli Bang Bo 1	BBB1	0.69	0.39	1.10	0.81	0.59	0.41	0.06	0.65	0.00	1.39	0.00	0.00	0.40
33 Thon Buri 1	TNB1	2.94	1.68	3.10	3.05	2.09	1.50	0.21	3.05	0.00	10.73	0.00	0.00	1.63
34 Lat Ya T8	LTYT8	2.19	1.53	1.83	1.36	1.85	1.33	0.19	2.25	0.00	0.00	0.51	0.00	1.69
35 Phasi Charoen 2	PSN2	2.29	1.39	1.86	1.07	1.01	0.72	0.10	1.15	0.00	0.00	1.72	0.00	0.55
36 Bang Phlat 2	BGT2	9.57	9.05	5.05	6.58	9.21	6.61	0.94	6.87	0.00	0.00	8.49	0.00	6.16
37 Bang Phlat 3	BGT3	6.90	7.34	4.09	4.82	6.84	4.96	0.75	4.87	0.00	0.00	6.74	0.00	1.39
38 Bang Bue Thong 1	BBT1	0.81	0.85	0.50	0.57	0.81	0.58	0.08	0.57	0.00	0.00	0.73	0.00	0.15
39 Bang Bue Thong 2	BBT2	11.42	11.72	6.97	7.92	11.49	7.94	1.15	8.13	0.00	0.00	10.18	0.00	2.10
40 Charan Sanitwong 2	CSW2	6.67	4.60	4.61	6.46	3.70	2.66	0.38	5.24	0.00	0.00	6.29	0.00	1.13
41 Bang Khae 2	BKE2	3.21	2.13	2.34	4.30	2.01	1.43	0.21	3.38	0.00	0.00	3.67	0.00	1.07
42 Nong Khaem 1	NGK1	1.56	1.25	1.55	1.70	1.50	1.08	0.15	1.47	0.00	0.00	5.43	0.00	3.18
43 Muban Sattakit 1	MSK1	2.24	1.79	2.25	2.45	2.16	1.54	0.22	2.10	0.00	0.00	4.49	0.00	2.63
44 Dao Khanong 2	DKN2	3.05	1.81	2.29	2.05	3.20	2.28	0.33	2.68	0.00	0.00	8.16	0.00	0.90
45 Phra Pradaeng 2	PPG2	4.41	3.36	6.63	4.37	6.55	4.72	0.67	4.39	0.00	0.00	8.17	0.00	1.97
46 Ekkachai 1	EKC1	1.94	1.49	1.96	2.44	1.71	1.23	0.17	1.45	0.00	0.00	3.38	0.00	0.90
47 Ekkachai 2	EKC2	2.26	1.73	2.28	2.88	2.02	1.42	0.21	1.69	0.00	0.00	3.97	0.00	1.05
48 Rat Burana 1	RBN1	2.52	2.30	2.83	4.34	4.71	3.37	0.48	4.63	0.00	0.00	6.09	0.00	1.70
49 Phahonyothin T2	PYT2	32.90	16.30	37.47	35.39	21.07	15.09	2.15	40.98	0.00	0.00	0.00	31.91	5.17
50 Inthamara 2	ITM2	7.39	2.13	4.78	6.45	3.77	2.71	0.39	7.11	0.00	0.00	0.00	6.95	1.34
51 Bang Khen 2	BGN2	13.48	4.47	2.99	12.16	5.32	3.81	0.55	11.97	0.00	0.00	0.00	7.04	1.24
52 Lat Phrao 1-2	LTP1-2	10.20	4.39	8.62	10.38	5.66	4.07	0.58	9.13	0.00	0.00	0.00	7.01	2.35
53 Lat Phrao 2-2	LTP2-2	7.98	2.39	5.59	12.74	3.17	2.27	0.32	6.01	0.00	0.00	0.00	3.47	0.69
54 Don Muang 2	DNM2	13.04	7.81	37.70	18.65	23.49	16.85	2.39	22.87	0.00	0.00	0.00	55.87	2.11
55 Thanyaburi 1	TYB1	3.53	2.04	10.41	4.69	6.41	4.57	0.64	6.03	0.00	0.00	0.00	6.53	1.04
56 Rangsit 1	RST1	1.46	0.83	4.32	1.95	2.65	1.90	0.27	2.49	0.00	0.00	0.00	1.43	0.23
57 Nawa Nakhon 1	NWN1	2.51	0.88	13.24	2.35	2.81	2.03	0.29	2.84	0.00	0.00	0.00	3.38	0.67
58 Bang Su 2	BGS2	19.53	25.56	15.46	9.79	14.39	10.34	1.47	12.91	0.00	0.00	0.00	9.26	1.45
59 Ngam Wong Wan 2	NWW2	58.29	23.63	12.70	14.45	15.36	11.01	1.56	21.45	0.00	0.00	0.00	7.97	1.12
60 Nonthaburi 2	NTB2	0.00	266.46	0.89	19.87	32.61	23.41	3.31	19.67	0.00	0.00	0.00	56.46	23.53
61 Lak Si T4	LKST4	3.86	1.56	10.07	6.58	3.82	2.74	0.39	4.00	0.00	0.00	0.00	2.67	0.87
62 Lak Si 2	LKS2	9.36	4.03	45.88	12.24	12.63	9.13	1.30	7.94	0.00	0.00	0.00	7.11	1.34
63 Ram Inthra 1	RIT1	2.50	0.88	3.10	25.59	1.40	1.01	0.14	3.20	0.00	0.00	0.00	2.50	0.28
64 Ram Inthra 2	RIT2	3.08	1.07	3.78	31.61	1.73	1.27	0.17	3.92	0.00	0.00	0.00	2.15	0.41
65 Pak Kret 1	PKK1	10.18	18.33	3.18	5.38	114.94	82.44	11.71	13.80	0.00	0.00	0.00	5.65	0.72
66 Pathum Thani 1	PTT1	4.96	8.92	1.54	2.62	55.94	40.12	5.69	6.72	0.00	0.00	0.00	3.21	0.41
67 Bang Phun 1	BAN1	2.01	3.61	0.63	1.05	22.64	16.23	2.30	2.72	0.00	0.00	0.00	1.11	0.14
68 Chaeng Watthana 1	CWT1	11.07	6.72	6.70	8.02	12.74	9.15	1.30	30.19	0.00	0.00	0.00	4.42	0.67
69 Phloen Chit 4	PNC4	15.82	8.96	11.66	14.07	10.97	7.86	1.12	17.64	30.50	0.00	0.00	0.00	5.12
70 Asok Din Daeng 3	ASD3	22.15	14.69	27.74	17.97	13.71	9.84	1.40	26.74	26.82	0.00	0.00	0.00	4.50
71 Sukhumwit 2	SKW2	4.17	2.17	7.28	4.62	2.93	2.10	0.30	4.72	5.60	0.00	0.00	0.00	1.08
72 Samran Rat 5	SRR5	5.10	4.69	7.38	5.57	7.01	5.03	0.71	7.37	9.75	0.00	0.00	0.00	1.94
73 Krung Kasem 4	KKM4	7.86	2.37	12.11	2.96	9.89	7.09	1.01	10.50	5.21	0.00	0.00	0.00	1.48

10-4 BMA Traffic Matrix in 2007 (22/24)

		119	120	121	122	123	124	125	126	127	128	129	130	131	
	Switch Unit Name	NWW3	NTB3	LKS3	RIT3	PKK2	PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	13	
74	Samsen 3	SMS3	4.47	3.13	2.23	3.36	3.63	2.61	0.37	4.64	6.40	0.00	0.00	0.00	0.84
75	Pathum Wan 3	PTW3	2.98	2.05	3.20	3.23	2.34	1.68	0.24	3.91	4.16	0.00	0.00	0.00	0.74
76	Surawong 6	SRW6	13.16	9.00	28.39	14.13	12.41	8.89	-1.26	22.12	32.46	0.00	0.00	0.00	4.82
77	Chaiyaphruk 3	CYP3	1.21	0.79	0.72	1.40	0.33	0.24	0.03	1.14	0.00	1.61	0.00	0.00	0.29
78	Phra Khanong 3	PKG3	1.45	0.58	1.22	2.00	0.75	0.54	0.08	1.27	0.00	2.00	0.00	0.00	0.33
79	On Nut 2	ONT2	2.52	1.25	2.05	4.75	1.43	1.02	0.15	2.28	0.00	2.69	0.00	0.00	0.50
80	Trok Chan 3	TKC3	0.64	0.42	0.96	0.75	0.67	0.48	0.07	0.74	0.00	1.19	0.00	0.00	0.34
81	Thung Mahamek 3	TMM3	2.40	0.91	1.75	1.28	1.16	0.83	0.12	3.72	0.00	6.40	0.00	0.00	1.45
82	Sathupradit 3	STD3	0.63	0.45	0.91	0.63	0.49	0.35	0.05	0.62	0.00	0.93	0.00	0.00	0.23
83	Thanon Tok 3	TN3	0.47	0.51	0.38	1.05	0.68	0.48	0.07	0.54	0.00	4.07	0.00	0.00	0.41
84	Khlong Toei 1	KT12	4.70	2.39	9.48	5.03	3.16	2.27	0.32	3.89	0.00	6.53	0.00	0.00	1.09
85	Hua Mak 3	HAM3	8.11	5.88	8.50	17.19	5.38	3.87	0.55	8.06	0.00	13.56	0.00	0.00	1.32
86	Khlong Chan 4	KGC4	6.39	3.28	6.12	21.24	5.81	4.16	0.59	7.77	0.00	6.95	0.00	0.00	1.31
87	Ramkarnhaeng 2	RKN2	0.53	0.27	0.50	1.74	0.48	0.34	0.05	0.64	0.00	0.57	0.00	0.00	0.11
88	Bang Chan 2	BGC2	5.91	3.32	10.84	23.32	7.36	5.28	0.75	4.54	0.00	7.62	0.00	0.00	1.24
89	Lat Krabang 2	LKG2	1.78	1.25	1.20	1.23	0.62	0.45	0.06	3.20	0.00	2.48	0.00	0.00	6.09
90	Bang Na 4	BNA4	5.13	2.25	5.53	7.10	3.61	2.61	0.36	3.65	0.00	6.51	0.00	0.00	1.14
91	Samut Prakan 4	SPK4	2.02	0.71	1.76	1.74	1.25	0.89	0.12	1.36	0.00	2.76	0.00	0.00	0.62
92	Bang Pu 2	BGU2	0.54	0.19	0.46	0.47	0.33	0.24	0.04	0.36	0.00	0.75	0.00	0.00	0.17
93	Fu Chao Saming Phrai 3	PSP3	4.50	2.43	5.61	5.63	4.94	3.53	0.50	2.78	0.00	6.98	0.00	0.00	1.51
94	Bang Phli 4	BPL4	3.85	2.16	6.13	4.46	3.25	2.32	0.33	3.62	0.00	7.72	0.00	0.00	2.24
95	Bang Phli Bang Bo 2	BBB2	0.56	0.32	0.88	0.66	0.48	0.33	0.05	0.52	0.00	1.12	0.00	0.00	0.33
96	Thon Buri 2	TNB2	1.02	0.58	1.07	1.06	0.72	0.52	0.07	1.06	0.00	0.00	3.72	0.00	0.56
97	Lat Ya 2	LY2	1.55	1.08	1.29	0.96	1.31	0.94	0.13	1.59	0.00	0.00	0.36	0.00	0.77
98	Phasi Charoen 3	PSN3	1.27	0.47	0.88	0.67	0.51	0.36	0.05	0.69	0.00	0.00	0.66	0.00	0.25
99	Bang Phlat 4	BPT4	7.61	8.07	4.69	5.44	7.64	5.48	0.78	5.40	0.00	0.00	6.88	0.00	1.42
100	Bang Bue Thong 3	BBT3	6.55	6.89	4.02	4.62	6.53	4.69	0.67	4.59	0.00	0.00	5.88	0.00	1.21
101	Charan Sanitwong 3	CSW3	3.24	2.48	2.47	3.58	1.93	1.39	0.20	2.56	0.00	0.00	3.41	0.00	0.53
102	Bang Khae 3	BKE3	1.18	0.83	0.77	1.46	0.94	0.68	0.10	1.05	0.00	0.00	1.20	0.00	0.40
103	Nong Khaem 2	NGK2	1.38	1.10	1.37	1.50	1.33	0.96	0.13	1.30	0.00	0.00	4.80	0.00	2.81
104	Muban Sattakit 2	MSK2	2.05	1.65	2.06	2.25	1.98	1.41	0.20	1.93	0.00	0.00	4.12	0.00	2.41
105	Dao Khanong 3	DKN3	1.38	0.82	1.04	0.94	1.46	1.03	0.15	1.22	0.00	0.00	3.70	0.00	0.41
106	Phra Pradaeng 3	PPG3	2.08	1.57	2.98	1.99	2.89	2.08	0.30	2.02	0.00	0.00	3.44	0.00	0.91
107	Ekkachai 3	EKC3	5.78	4.45	5.86	7.29	5.10	3.66	0.52	4.33	0.00	0.00	10.09	0.00	2.68
108	Rat Burana 2	RBN2	1.49	1.36	1.67	2.57	2.78	1.99	0.29	2.74	0.00	0.00	3.60	0.00	1.01
109	Phahonyothin 4	PYT4	15.97	8.10	18.33	17.72	10.50	7.52	1.07	19.39	0.00	0.00	0.00	15.94	2.47
110	Inthamara 3	ITM3	8.63	2.48	5.58	7.52	4.40	3.16	0.45	8.30	0.00	0.00	0.00	6.87	1.33
111	Bang Khen 3	BGN3	5.98	1.98	1.33	5.39	2.36	1.69	0.24	5.31	0.00	0.00	0.00	3.49	0.61
112	Lat Phrao 1-3	LTP1-3	5.25	2.50	4.66	5.55	3.19	2.29	0.33	4.79	0.00	0.00	0.00	3.13	0.45
113	Lat Phrao 2-3	LTP2-3	4.22	1.37	3.30	7.07	1.85	1.33	0.19	3.56	0.00	0.00	0.00	1.47	0.36
114	Don Muang 3	DNM3	12.77	7.25	37.69	16.95	23.14	16.60	2.35	21.70	0.00	0.00	0.00	12.45	1.99
115	Thanyaburi 2	TYB2	1.50	0.87	4.41	1.99	2.72	1.94	0.27	2.55	0.00	0.00	0.00	2.77	0.44
116	Rangsit 2	RST2	0.88	0.50	2.59	1.17	1.59	1.14	0.16	1.49	0.00	0.00	0.00	0.86	0.14
117	Nawa Nakhon 2	NWN2	2.05	0.71	10.79	1.91	2.29	1.65	0.23	2.32	0.00	0.00	0.00	2.74	0.54
118	Bang Su 3	BGS3	12.96	19.17	12.17	6.98	10.19	7.32	1.04	8.43	0.00	0.00	0.00	5.74	1.07
119	Ngam Wong Wan 3	NWW3	32.04	11.49	6.93	7.94	7.63	5.47	0.78	11.63	0.00	0.00	0.00	4.21	0.61
120	Nonthaburi 3	NTB3	0.00	72.92	0.24	5.44	8.93	6.41	0.91	5.38	0.00	0.00	0.00	15.45	4.96
121	Lak Si 3	LKS3	7.61	3.37	37.43	10.11	10.31	7.39	1.05	6.42	0.00	0.00	0.00	5.82	1.10
122	Ram Inthra 3	RIT3	7.89	2.78	9.80	80.84	4.42	3.18	0.46	10.10	0.00	0.00	0.00	4.74	0.89
123	Pak Kret 2	PKK2	7.94	14.30	2.48	4.19	89.66	64.31	9.13	10.76	0.00	0.00	0.00	4.00	0.56
124	Pathum Thani 2	PTT2	4.89	8.79	1.52	2.59	55.16	39.56	5.61	6.62	0.00	0.00	0.00	3.16	0.40
125	Bang Phun 2	BAN2	0.81	1.46	0.25	0.42	9.13	6.55	0.93	1.10	0.00	0.00	0.00	0.45	0.06
126	Chaeng Watthana 2	CWT2	12.40	7.52	7.50	8.99	14.27	10.25	1.45	33.81	0.00	0.00	0.00	4.95	0.75
127	Lak Si TC	LSTC	81.68	91.17	311.56	76.12	85.50	61.30	8.71	85.86	0.00	0.00	0.00	0.00	0.00
128	Phra Khanong TC	PNTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	Lat Ya TC	LYTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Lak Si International	LSIT	1.31	0.81	21.18	3.63	0.55	0.39	0.06	2.68	0.00	0.00	0.00	0.00	0.00
131	Phra Khanong International	PNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	Lat Ya International	LYIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	IC Total	TOTAL	883.82	945.15	1,228.15	1,027.90	1,086.10	778.76	110.67	965.50	311.67	218.94	140.61	324.34	213.75

10-4 BMA Traffic Matrix in 2007 (23/24)

Switch Unit Name		132	133	134	135	136	137	OG Total
		LSTC	PNTC	LYTC	LSIT	PNIT	LYIT	
1 Phloen Chit 3	PNC3	0.00	0.00	536.65	0.00	0.00	334.51	8,235.44
2 Asok Din Daeng 2	ASD2	0.00	129.60	0.00	0.00	26.51	0.00	3,297.54
3 Sukhumvit 1	SKW1	0.00	0.00	127.15	0.00	0.00	54.40	2,218.98
4 Sanran Rat 4	SRR4	431.53	0.00	0.00	128.14	0.00	0.00	6,924.12
5 Krung Kasem 3	KKM3	268.80	0.00	0.00	58.32	0.00	0.00	4,829.85
6 Samsen 2	SMS2	51.60	0.00	0.00	2.65	0.00	0.00	1,118.86
7 Pathum Wan 2	PTW2	218.13	0.00	0.00	21.04	0.00	0.00	2,773.46
8 Surawong 4	SRW4	0.00	0.00	500.94	0.00	0.00	659.77	8,275.94
9 Surawong 5	SRW5	0.00	0.00	368.13	0.00	0.00	555.23	5,857.26
10 Chaiyaphruk 2	CYP2	0.00	91.85	0.00	0.00	33.67	0.00	1,079.81
11 Phra Khanong 2	PKG2	0.00	66.69	0.00	0.00	50.37	0.00	1,204.64
12 On Nut 1	ONT1	0.00	37.23	0.00	0.00	3.88	0.00	824.90
13 Trok Chan 2	TKC2	41.02	0.00	13.74	13.14	0.00	1.91	1,317.65
14 Thung Mahamek 2	TMM2	0.00	0.00	54.06	0.00	0.00	9.80	928.72
15 Sathupradit 2	STD2	0.00	0.00	35.44	0.00	0.00	2.77	613.93
16 Thanon Tok 2	TNT2	0.00	0.00	98.76	0.00	0.00	8.44	1,217.19
17 Khlong Toei 1	KTI1	0.00	0.00	95.90	0.00	0.00	30.14	1,653.13
18 Hua Mak 2	HAM2	0.00	266.92	0.00	0.00	48.53	0.00	4,111.30
19 Khlong Chan 2	KGC2	0.00	38.23	0.00	0.00	2.37	0.00	988.33
20 Khlong Chan 3	KGC3	0.00	65.00	0.00	0.00	4.46	0.00	1,080.50
21 Ramkhamhaeng 1	RKN1	0.00	29.08	0.00	0.00	1.99	0.00	483.37
22 Bang Chan 1	BGC1	51.60	0.00	0.00	0.49	0.00	0.00	1,339.78
23 Lat Krabang 1	LKG1	0.00	32.33	0.00	11.43	0.00	0.00	700.20
24 Bang Na 2	BN2	0.00	45.08	0.00	7.63	0.00	0.00	877.81
25 Bang Na 3	BNA3	0.00	111.15	0.00	21.45	0.00	0.00	1,480.56
26 Samut Prakan 2	SPK2	0.00	10.54	0.00	0.00	1.38	0.00	215.48
27 Samut Prakan 3	SPK3	0.00	121.98	0.00	0.00	18.93	0.00	2,038.27
28 Bang Pu 1	BGU1	0.00	43.57	0.00	0.00	6.76	0.00	727.99
29 Pu Chao Saming Phrai 2	PSP2	0.00	91.66	0.00	0.00	39.25	0.00	1,664.48
30 Bang Phli 1	BPL1	0.00	22.46	0.00	0.00	4.54	0.00	488.78
31 Bang Phli 2	BPL2	0.00	120.26	0.00	0.00	24.32	0.00	2,038.16
32 Bang Phli Bang Bo 1	BBB1	0.00	20.27	0.00	0.00	4.10	0.00	343.52
33 Thon Buri 1	TNB1	0.00	0.00	56.68	0.00	0.00	5.12	1,170.92
34 Lat Ya T8	LTYT8	0.00	0.00	31.28	0.00	0.00	4.66	755.92
35 Phasi Charoen 2	PSN2	0.00	0.00	44.46	0.00	0.00	3.49	476.81
36 Bang Phlat 2	BGT2	0.00	0.00	64.04	0.00	0.00	5.40	1,698.48
37 Bang Phlat 3	BGT3	0.00	0.00	70.68	0.00	0.00	7.08	1,454.29
38 Bang Bue Thong 1	BBT1	5.86	0.00	0.00	0.59	0.00	0.00	155.27
39 Bang Bue Thong 2	BBT2	106.73	0.00	0.00	10.68	0.00	0.00	2,195.87
40 Charan Sanitwong 2	CSW2	0.00	0.00	73.37	0.00	0.00	2.61	1,333.87
41 Bang Khac 2	BKE2	0.00	0.00	50.54	0.00	0.00	5.78	863.75
42 Nong Khaem 1	NGK1	0.00	0.00	136.19	0.00	0.00	17.27	1,514.21
43 Muban Sattakit 1	MSK1	0.00	0.00	122.69	0.00	0.00	14.29	1,262.08
44 Dao Khanong 2	DKN2	0.00	0.00	42.38	0.00	0.00	3.48	1,013.96
45 Phra Pradaeng 2	PPG2	0.00	0.00	131.97	0.00	0.00	13.88	2,273.07
46 Ekkachai 1	EKC1	0.00	0.00	36.33	0.00	0.00	4.08	953.90
47 Ekkachai 2	EKC2	0.00	0.00	55.51	0.00	0.00	6.24	1,132.72
48 Rat Burana 1	RBN1	0.00	0.00	60.62	0.00	0.00	6.83	1,553.11
49 Phahonyothin T2	PYT2	0.00	307.50	0.00	0.00	48.89	0.00	5,721.32
50 Inthamara 2	ITM2	0.00	65.75	0.00	0.00	6.98	0.00	1,074.99
51 Bang Khen 2	BGN2	64.64	0.00	0.00	7.06	0.00	0.00	1,214.86
52 Lat Phrao 1-2	LTP1-2	60.69	8.03	0.00	8.49	0.96	0.00	1,207.22
53 Lat Phrao 2-2	LTP2-2	33.24	4.28	0.00	5.25	0.16	0.00	863.71
54 Don Muang 2	DNM2	141.49	0.00	0.00	41.09	0.00	0.00	2,504.54
55 Thanyaburi 1	TYB1	74.65	0.00	0.00	21.57	0.00	0.00	1,247.71
56 Rangsit 1	RST1	16.33	0.00	0.00	4.72	0.00	0.00	272.74
57 Nawa Nakhon 1	NWN1	44.76	0.00	0.00	48.47	0.00	0.00	764.54
58 Bang Su 2	BGS2	239.69	11.67	0.00	15.14	0.76	0.00	2,017.28
59 Ngam Wong Wan 2	NWW2	94.06	0.00	0.00	2.82	0.00	0.00	1,650.26
60 Nonthaburi 2	NTB2	203.81	5.34	0.00	3.72	2.46	0.00	3,791.37
61 Lak Si T4	LKST4	39.34	0.00	0.00	6.98	0.00	0.00	533.91
62 Lak Si 2	LKS2	111.98	0.00	0.00	30.67	0.00	0.00	1,542.15
63 Ram Inthra 1	RIT1	13.40	0.00	0.00	1.15	0.00	0.00	336.67
64 Ram Inthra 2	RIT2	25.04	0.00	0.00	2.15	0.00	0.00	487.81
65 Pak Kret 1	PKK1	68.42	0.00	0.00	0.73	0.00	0.00	1,327.29
66 Pathum Thani 1	PTT1	38.81	0.00	0.00	0.42	0.00	0.00	751.72
67 Bang Phun 1	BAN1	13.47	0.00	0.00	0.14	0.00	0.00	261.34
68 Chaeng Watthana 1	CWT1	40.57	0.00	0.00	2.83	0.00	0.00	837.69
69 Phloen Chit 4	PNC4	0.00	0.00	383.96	0.00	0.00	250.93	5,843.54
70 Asok Din Daeng 3	ASD3	0.00	159.68	0.00	0.00	36.40	0.00	4,280.13
71 Sukhumvit 2	SKW2	0.00	0.00	77.70	0.00	0.00	33.25	1,408.57
72 Sanran Rat 5	SRR5	149.87	0.00	0.00	45.61	0.00	0.00	2,235.79
73 Krung Kasem 4	KKM4	89.36	0.00	0.00	19.84	0.00	0.00	1,607.46

10-4 BMA Traffic Matrix in 2007 (24/24)

			132	133	134	135	136	137	
	Switch Unit Name		LSTC	PNTC	LYTC	LSIT	PNIT	LYIT	OG Total
74	Samsen 3	SMS3	48.99	0.00	0.00	2.86	0.00	0.00	1,066.43
75	Pathum Wan 3	PTW3	71.77	0.00	0.00	6.89	0.00	0.00	902.11
76	Surawong 6	SRW6	0.00	0.00	467.11	0.00	0.00	704.52	7,720.05
77	Chaiyaphruk 3	CYP3	0.00	22.97	0.00	0.00	8.42	0.00	283.03
78	Phra Khanong 3	PKG3	0.00	25.50	0.00	0.00	20.79	0.00	458.84
79	On Nut 2	ONT2	0.00	25.71	0.00	0.00	2.68	0.00	592.22
80	Trok Chan 3	TKC3	10.93	0.00	0.00	3.50	0.00	0.00	261.55
81	Thung Mahamek 3	TMM3	0.00	0.00	43.11	0.00	0.00	7.81	728.08
82	Sathupradit 3	STD3	0.00	0.00	14.94	0.00	0.00	1.21	264.76
83	Thanon Tok 3	TNT3	0.00	0.00	34.38	0.00	0.00	2.94	424.19
84	Khlong Toei 1	KIT2	0.00	0.00	90.84	0.00	0.00	28.56	1,626.92
85	Hua Mak 3	HAM3	0.00	153.99	0.00	0.00	28.79	0.00	2,419.71
86	Khlong Chan 4	KGC4	0.00	91.20	0.00	0.00	6.26	0.00	1,574.85
87	Rankamhaeng 2	RKN2	0.00	7.48	0.00	0.00	0.51	0.00	129.19
88	Bang Chan 2	BGC2	57.40	0.00	0.00	0.55	0.00	0.00	1,549.68
89	Lat Krabang 2	LKG2	0.00	28.39	0.00	0.00	10.04	0.00	639.08
90	Bang Na 4	BNA4	0.00	112.64	0.00	0.00	21.74	0.00	1,557.74
91	Sarnut Prakan 4	SPK4	0.00	48.61	0.00	0.00	7.54	0.00	844.00
92	Bang Pu 2	BGU2	0.00	13.25	0.00	0.00	2.06	0.00	229.99
93	Pu Chao Saming Phrai 3	PSP3	0.00	108.29	0.00	0.00	51.06	0.00	1,889.61
94	Bang Phli 4	BPL4	0.00	108.00	0.00	0.00	21.84	0.00	1,901.46
95	Bang Phli Bang Bo 2	BBB2	0.00	15.71	0.00	0.00	3.18	0.00	276.53
96	Thon Buri 2	TNB2	0.00	0.00	18.85	0.00	0.00	1.70	404.83
97	Lat Ya 2	LYT2	0.00	0.00	21.23	0.00	0.00	3.17	533.17
98	Phasi Charoen 3	PSN3	0.00	0.00	26.79	0.00	0.00	2.17	220.26
99	Bang Phlat 4	BGT4	0.00	0.00	69.22	0.00	0.00	6.93	1,480.16
100	Bang Buc Thong 3	BBT3	59.16	0.00	0.00	5.92	0.00	0.00	1,265.15
101	Charan Sanitwong 3	CSW3	0.00	0.00	41.13	0.00	0.00	1.52	704.63
102	Bang Khac 3	BKE3	0.00	0.00	21.96	0.00	0.00	2.49	338.94
103	Nong Khaem 2	NGK2	0.00	0.00	115.57	0.00	0.00	14.50	1,333.11
104	Muban Sattakit 2	MSK2	0.00	0.00	99.13	0.00	0.00	12.57	1,142.77
105	Dao Khanong 3	DKN3	0.00	0.00	20.00	0.00	0.00	1.64	461.15
106	Phra Pradaeng 3	PPG3	0.00	0.00	59.17	0.00	0.00	6.25	1,038.71
107	Ekkachai 3	EKC3	0.00	0.00	135.68	0.00	0.00	15.25	2,877.60
108	Rat Burana 2	RBN2	0.00	0.00	34.43	0.00	0.00	3.88	917.26
109	Phahonyothin 4	PYT4	0.00	146.49	0.00	0.00	24.56	0.00	2,827.96
110	Inthamara 3	ITM3	0.00	67.30	0.00	0.00	7.15	0.00	1,064.37
111	Bang Khen 3	BGN3	33.20	0.00	0.00	3.63	0.00	0.00	602.21
112	Lat Phrao 1-3	LTP1-3	38.88	0.00	0.00	5.44	0.00	0.00	664.52
113	Lat Phrao 2-3	LTP2-3	19.43	0.00	0.00	3.07	0.00	0.00	468.57
114	Don Muang 3	DNM3	136.65	0.00	0.00	39.48	0.00	0.00	2,370.63
115	Thanyaburi 2	TYB2	30.35	0.00	0.00	8.77	0.00	0.00	526.97
116	Rangsit 2	RST2	9.41	0.00	0.00	2.72	0.00	0.00	163.13
117	Nawa Nakhon 2	NWN2	34.95	0.00	0.00	37.84	0.00	0.00	620.04
118	Bang Su 3	BGS3	200.69	0.00	0.00	12.68	0.00	0.00	1,459.28
119	Ngam Wong Wan 3	NWW3	50.37	0.00	0.00	1.50	0.00	0.00	876.56
120	Nonthaburi 3	NTB3	55.36	0.00	0.00	1.01	0.00	0.00	1,033.14
121	Lak Si 3	LKS3	87.92	0.00	0.00	24.08	0.00	0.00	1,257.24
122	Ram Inthra 3	RIT3	52.96	0.00	0.00	4.00	0.00	0.00	1,071.45
123	Pak Kret 2	PKK2	51.25	0.00	0.00	0.55	0.00	0.00	1,032.75
124	Pathum Thani 2	PTT2	36.75	0.00	0.00	0.39	0.00	0.00	739.62
125	Bang Phun 2	BAN2	5.22	0.00	0.00	0.06	0.00	0.00	105.22
126	Chaeng Watthana 2	CWT2	43.63	0.00	0.00	3.04	0.00	0.00	936.30
127	Lak Si TC	LSTC	0.00	0.00	0.00	0.00	0.00	0.00	7,609.38
128	Phra Khanong TC	PNTC	0.00	0.00	0.00	0.00	0.00	0.00	4,794.02
129	Lat Ya TC	LYTC	0.00	0.00	0.00	0.00	0.00	0.00	6,440.93
130	Lak Si International	LSIT	0.00	0.00	0.00	0.00	0.00	0.00	600.65
131	Phra Khanong International	PNIT	0.00	0.00	0.00	0.00	0.00	0.00	535.29
132	Lat Ya International	LYIT	0.00	0.00	0.00	0.00	0.00	0.00	2,498.00
	IC Total	TOTAL	3,874.16	2,881.68	4,582.71	712.39	584.29	2,858.47	214,898.78

10 - 5 PC-PC Traffic Matrix in the Study Area

FY 1992

(erl.)

			1	2	3	4	
NO	PC Name	ABBR	BKK	NPT	SKN	AYA	Total
1	Bangkok	BKK		74.39	56.56	93.06	224.01
2	Nakhon Pathom	NPT	106.06		55.95	1.94	163.95
3	Samut Sakhon	SKN	97.11	66.25		0.55	163.91
4	Ayatthaya	AYA	163.59	3.72	0.82		168.13
	Total		366.76	144.36	113.33	95.55	720

FY 1997

			1	2	3	4	
NO	PC Name	ABBR	BKK	NPT	SKN	AYA	Total
1	Bangkok	BKK		93.94	300.19	343.22	737.35
2	Nakhon Pathom	NPT	164.95		540.06	13.01	718.02
3	Samut Sakhon	SKN	565.27	569.4		13.76	1148.43
4	Ayatthaya	AYA	564.72	18.98	17.56		601.26
	Total		1294.94	682.32	857.81	369.99	3205.06

FY 2002

			1	2	3	4	
NO	PC Name	ABBR	BKK	NPT	SKN	AYA	Total
1	Bangkok	BKK		127.63	332.49	607.16	1067.28
2	Nakhon Pathom	NPT	252.51		1290.86	49.68	1593.05
3	Samut Sakhon	SKN	718.64	1386.41		43.62	2148.67
4	Ayatthaya	AYA	982.4	63.25	47.71		1093.36
	Total		1953.55	1577.29	1671.06	700.46	5902.36

FY 2007

			1	2	3	4	
NO	PC Name	ABBR	BKK	NPT	SKN	AYA	Total
1	Bangkok	BKK		210.51	307.43	796.45	1314.39
2	Nakhon Pathom	NPT	431.78		1848.2	100.92	2380.9
3	Samut Sakhon	SKN	710.65	2047.77		51.24	2809.66
4	Ayatthaya	AYA	1289.06	123.97	52.41		1465.44
	Total		2431.49	2382.25	2208.04	948.61	7970.39

ANNEX

CHAPTER 11 NEW SERVICE INTRODUCTION PLAN

Questionnaire for Telecommunication Services

We would like to ask you about the existing telecommunication facilities and your expansion plans for the next five years in your office. In addition, we would like to ask about the use of the facilities, the purpose and your policy concerning telecommunication services. Please fill in the number and your opinion into the (), and circle the number applicable.

Regarding the facilities

Question 1

(1) Main telephone

- At present

- (a) Number of main telephone lines ()
 (b) Number of branch telephones ()

- For the next five years

- (a) Number of main telephone lines ()
 (b) Number of branch telephones ()

(2) Cellular Mobile telephone

- At present

- (a) Number of mobile telephones ()

- For the next five years

- (a) Number of mobile telephones ()

(3) Domestic voice-grade leased circuits

- At present, number of leased circuits

- (a) Lower than 300 b/s ()
 (b) From 300 to 1,200 b/s ()
 (c) At 2,400 b/s ()
 (d) At 4,800 b/s ()
 (e) At 9,600 b/s ()
 (f) Others() ()

- For the next five years

- (a) Lower than 300 b/Ss ()
 (b) From 300 to 1,200 b/s ()
 (c) At 2,400 b/s ()
 (d) At 4,800 b/s ()
 (f) At 9,600 b/s ()
 (g) Others() ()

(4) International voice-grade leased circuits

- At present, number of leased circuits

- (a) Voice grade only ()
 (b) All kinds of information ()
 (c) Multiple leased circuits ()
 (d) Others() ()

11 - 1 Questionnaire for Telecommunication Services 2 / 26

- For the next five years
 - (a) Voice grade only ()
 - (b) All kinds of information ()
 - (c) Multiple leased circuits ()
 - (d) Others() ()

(5) PBX

- At present
 - (a) Type of PBX (1. Analog PBX 2. Analog PABX 3. Digital PABX)
 - (b) Number of P(A)BX ()
 - (c) Number of Lines of P(A)BX

Telephone lines	()
Ext. lines	()
- For the next five years
 - (a) Type of PBX (1. Analog PBX 2. Analog PABX 3. Digital PABX)
 - (b) Number of P(A)BX ()
 - (c) Line capacity of P(A)BX

Telephone lines	()
Ext. lines	()

(6) Facsimile terminal sets

- At present
 - (a) Number of terminal sets ()
- For the next five years
 - (a) Number of terminal sets ()

(7) Paging terminal sets

- At present
 - (a) Number of terminal sets ()
 - (b) Number of lines from telephone company ()
- For the next five years
 - (a) Number of terminal sets ()
 - (b) Number of lines from telephone company ()

(8) Telex including private and public telex

- At present
 - (a) Number of lines ()
- For the next five years
 - (a) Number of lines ()

(9) Telegraph leased circuits

- At present
 - (a) Number of lines ()
- For the next five years
 - (a) Number of lines ()

(10) DATEL

- At present
 - (a) Number of lines ()
- For the next five years
 - (a) Number of lines ()

11 - 1 Questionnaire for Telecommunication Services 3 / 26

(11) International Data Base Access and Remote Computing

- At present
 - (a) Number of lines ()
- For the next five years
 - (a) Number of lines ()

(12) Main frame computer

- At present
 - Portion of the networking function of the computer as a percent out of 100
 - (a) As a stand alone function only ()%
 - (b) As local area network(LAN) ()%
- For the next five years
 - Portion of the networking function of the computer as a percent out of 100
 - (a) As a stand alone function only ()%
 - (b) As local area network(LAN) ()%

(13) Personal computer

- At present
 - (a) Number of personal computers ()
- Portion of the networking function of the personal computer as a percent out of 100
 - (b) As a stand alone function only ()%
 - (c) As local area network(LAN) ()%
- For the next five years
 - (a) Number of personal computers ()
- Portion of the networking function of the personal computer as a percent out of 100
 - (b) As a stand alone function only ()%
 - (c) As local area network(LAN) ()%

Regarding the usage of telecommunication services

Question 2

(1) State of usage of ordinary telephone services

- Portion of calls as a percentage out of 100 calcified as follows

	To(Originating)	From(Terminating)
(a) Local calls	()%	()%
(b) Long distance calls	()%	()%
(c) International calls	()%	()%

11 - 1 Questionnaire for Telecommunication Services 4 / 26

- Regarding the calling and called party, please fill in the number from the largest to the smallest occurrence of calls.

	To(Originating)	From(Terminating)
(a) To your headquarter, other offices, firms	()	()
(b) For procurement of parts, materials, goods, etc.	()	()
(c) To wholesale stores	()	()
(d) To retail stores that sell your products	()	()
(f) To banks, finance organizations	()	()
(g) To Government organizations	()	()
(h) Others ()	()	()

- Regarding the destinations to/from, please fill in the most common three destinations, the times per day and the main purposes of the call, such as order for purchase, order for products, confirmation of account, confirmation for inventories, sale of products, etc.in the ().

(a) Domestic calls

	Purpose	Times	Location(Province and District)
First	()	()	()
Second	()	()	()
Third	()	()	()

(b) International calls

	Purpose	Times	Country
First	()	()	()
Second	()	()	()
Third	()	()	()

(2) State of usage of cellular mobile telephone services

- Portion of calls as a percentage out of 100 calcified as follows

	To	From
(a) Local calls	()%	()%
(b) Long distance calls	()%	()%
(c) International calls	()%	()%

- Regarding the calling and called party, please fill in the number from the largest to the smallest occurrence of calls.

	To(Originating)	From(Terminating)
(a) To your headquarters, other offices, firms	()	()
(b) For procurement of parts, materials, goods, etc.	()	()
(c) To wholesale stores	()	()
(d) To retail stores that sales your products	()	()
(f) To banks, finance organizations	()	()
(g) To Government organizations	()	()
(h) Others ()	()	()

- Regarding the destinations to/from, please fill in the most common three destinations, the times per day and the main purposes of the call , such as order for purchase, order for products, confirmation of account, confirmation for inventories, sale of products, etc.in the ().

(a) Domestic calls

	Purpose	Times/day	Location(Province and District)
First	()	()	()
Second	()	()	()
Third	()	()	()

(b) International calls

	Purpose	Times/day	Country
First	()	()	()

11 - 1 Questionnaire for Telecommunication Services 6 / 26

(h) Others () () ()
 - Regarding the destinations, please fill in the most common three destinations, the times per day and the main purposes of the call, such as order for purchase, order for products, confirmation of account, confirmation for inventories, sale of products, etc. in the ().

(a) Domestic communications

	Purpose	Times	Location(Province and District)
First	()	()	()
Second	()	()	()
Third	()	()	()

(b) International communications

	Purpose	Times	Country
First	()	()	()
Second	()	()	()
Third	()	()	()

Regarding usage of telecommunication services as part of the strategy of your company's management

Question 3

(1) Regarding expenditures for correspondence, including mail and courier services, how much did your company spend in the previous month overall? Please fill in the cost into the ().
 () Baht

(2) The portion of your company's total expenditure used for correspondence ()%

(3) The portion of your company's total expenditure used for telecommunications ()%

(4) What does your company think of the effectiveness of the telecommunication services in enhancing your businesses? Please fill in the portion into the () as a percentage out of 100

- (a) Development of new business chances ()%
- (b) Enhancement of business competition ()%
- (c) Increase of sales ()%
- (d) Cost savings ()%
- (e) Others() ()%

(5) Does your company anticipate increasing the above mentioned percentages in the future?

- 1. Yes
- 2. No

Question 4

(1) How many times does your company contact an employee who is working outside of your company on businesses? -----() times/day

(2) How does your company contact to them? Please circle the number applicable.

- 1. By using public telephones, the employees contact their company at fixed times decided upon previously.
- 2. By using paging services.
- 3. The employees call their company's answering machine and messages in their office at fixed times.
- 4. By using cellular mobile telephones.
- 5. Others()

11 - 1 Questionnaire for Telecommunication Services 8 / 26

- (G) Data error did not occur frequently ()
- (H) Non-working time, caused by telephone line trouble, has been reduced shorter ()
- (J) Down-time, caused by telephone line trouble, has decreased ()
- (K) Others() ()

(3) If your answer was 2 or 3, please rank the following according to the degree of improvement.

- (A) There are not enough telephones to meet demand in your office ()
- (B) From telephone application to beginning of services, is too long ()
- (C) Many attempts are needed to connect with your party ()
- (D) There are not enough public telephones at street corners ()
- (E) Occasionally, it is difficult to catch the party's voice because of noise ()
- (G) Data errors occur frequently ()
- (H) Frequency of down-time, caused by telephone line trouble, has not yet been reduced ()
- (J) Occasion of non-working , caused by telephone line trouble, has not yet improved ()
- (K) Others() ()

(4) Regarding telephone service tariffs, what opinions does your company have ? Please rank the following according to how expensive or cheap you feel each of the following are.

- (A) Local charge is expensive() cheap ()
- (B) Long distance charge is expensive() cheap ()
- (C) Monthly charge is expensive() cheap ()
- (D) Installation fee is expensive() cheap ()
- (E) Local call area size is small () big ()
- (F) Billing is accurate () often incorrect ()
- (G) Place or location for payment of tariffs is convenience () inconvenience()
- (H) Price of telephone sets is expensive() cheap ()
- (J) Price of facsimile sets is expensive() cheap ()
- (K) Price of P(A)BX is expensive() cheap ()

(5) Regarding services for customers, we would like to know how your company feels? Please circle the number applicable

1. Satisfaction 2. Moderate satisfaction 3. Dissatisfaction

(6) If your answer was 1, please rank the following according to the degree of improvement.

- (A) Kind and polite reception at the telephone office ()
- (B) Any number of applications are accepted at only one visit to telephone the office ()
- (C) Quick response for repair work of telephone line ()
- (D) Complaints and questions can be received at only one window ()
- (E) Positive attitude concerning information disclosure ()
- (F) Providing a consulting service for telecommunication services ()
- (G) Providing one stop shopping for telecommunication services, for example, if you want to use a LAN system, the telephone company undertakes not only telephone facilities but also the purchase of any computers, lay out design of your office, etc. ()
- (H) Others() ()

(7) If your answer was 2 or 3, please please rank the following according to the degree of improvement.

- (A) Unkind and impolite reception at the telephone office ()
- (B) Several requests are required to have a phone installed ()
- (C) Spontaneous response for repair work of telephone lines ()
- (D) Complaints and questions are not handled efficiently ()
- (E) Negative attitude concerning information disclosure ()
- (F) No consulting services are provided for telecommunication services ()
- (G) Providing no one stop shopping for telecommunication services, for example, if you want to use LAN system, the telephone company undertakes not only telephone facilities but purchase of any computers, lay out design of your office, etc. ()
- (H) Others() ()

Question 8

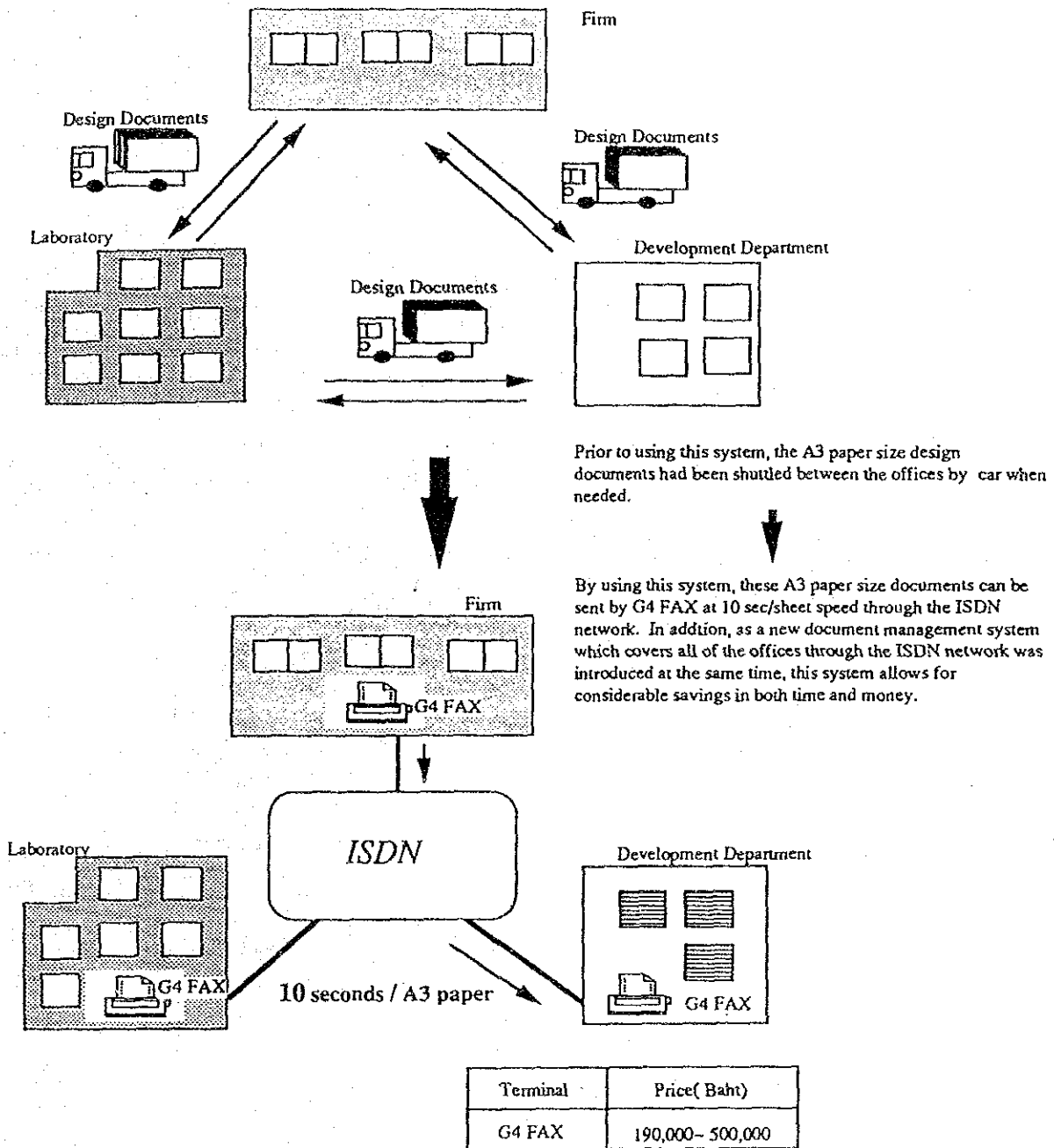
Regarding telecommunication services provided by TOT, CAT and others, what kind of services does your company seek for your business? Please circle the number of all your choices.

1. Discount service: Charging only for services selected by the customer (combination with monthly charge and call charge on the customer's need basis)
2. Discount service: For large users (discount rate is raised according to call charge)
3. Discount service: Different tariff system (day or night, according to specified area)
4. Discount service: Lower rates for frequently called numbers
5. Discount service: You can call any place in Thailand at a fixed charge during specified times
6. Discount service: In the case of data transmission services through leased circuits as part of your private network, the back up line to improve the reliability of your own network can be offered at a lower charge than ordinary charge
7. Free dial service: Called party payment
8. Facsimile message store and forward service: A message is stored into a switching system then the message can be sent to the destination anytime automatically or at designated time
9. Virtual network service: Ordinary telephone network can act as a like leased circuit
10. Credit card call: By using a credit card or secret registered number, you can call at out of the office and the payment is on your bank account
11. Simple resale: You can link your telephone lines and leased circuits, that's to say, your company can connect with the head office and branch offices at lower cost
12. Detailed charging list services: You can receive a detailed list of your phone calls, not only local calls but also long distance calls, special service calls, etc.
13. Consulting services through the use of detailed management reports of your call charges: By using a management report specified for a department, division, section, etc., telecommunication traffic costs can be utilized in your company's strategic management
14. Voice mail service: Your message, once is stored into a switching system at a telephone office, from which anyone can access by a telephone call and receive your message by confirming a secret number registered previously at anytime, from anywhere
15. One stop shopping services: For example, if you want to use the LAN system, the telephone company undertakes not only telephone facilities but also the purchase of any computers, lay out design of your office, etc.
16. Television conference service
17. Telephone conference service
18. High speed, more than 2 Mb/s, leased circuit services
19. Information providing service through telephone call and facsimile
20. Agency business of telephone charge

Does your company have any interesting
in
"Strategic Information Systems"?

From Question-9 on, we would like to have some actual examples of Strategic Information Systems. In this case the samples relate to the ISDN network being examined and used worldwide, however, there are also some examples from outside the ISDN network. Therefore, please do not feel limited by "ISDN". We intend to anticipate a large variety of trends in new telecommunication services sought by big users like your company which will reflect trends in the telecommunication field in the near future. We would greatly appreciate you offering us your ideas and opinions

Diagram-1



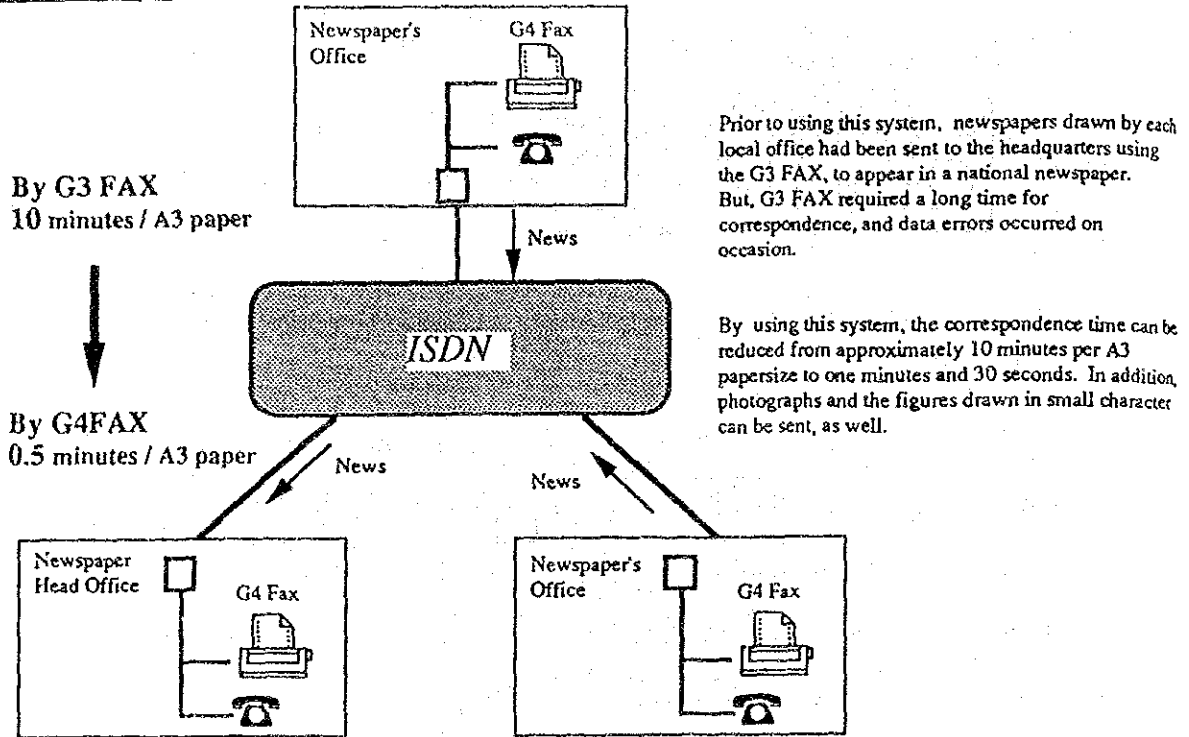
Note: In addition to the terminal price, the line fee is also required

Question 9

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK~				
	No. of lines					

Diagram-2



Terminal	Price(Baht)
G4 FAX	190,000- 500,000

Note: In addition to the terminal price, the line fee is also required

Question 10

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

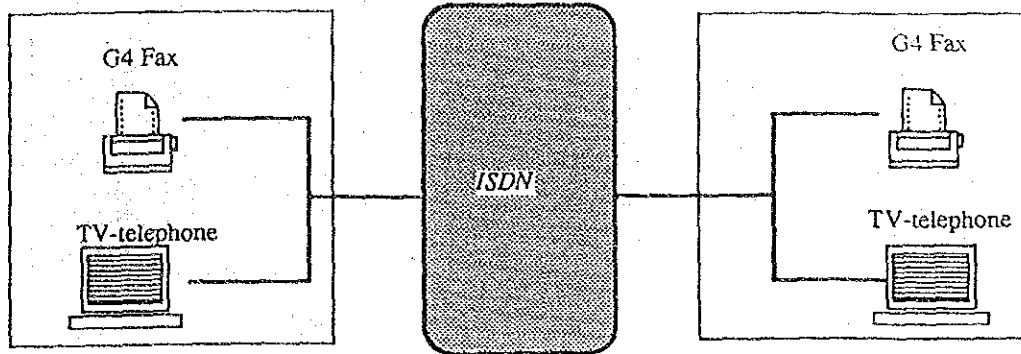
Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

11 - 1 Questionnaire for Telecommunication Services 13 / 26

Diagram-3

Prior to using this system, at this bank, the banker provided a low and saving consultation as a customer service, followed by a visit from an expert to the customer's house when necessary.

By using this system, the bank has improved its reputation and distinguished itself from its competitors by linking the customers and the experts directly.



Terminal	Price(Baht)
G4 FAX	190,000- 500,000
TV-telephone	1,000,000- 1,700,000

Note: In addition to the terminal price, the line fee is also required

Question 11

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle the number and fill in the destination and in the appropriate boxes.

(1) G4 FAX

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No.of lines					

(2) TV Telephone

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No.of lines					

(3) Both

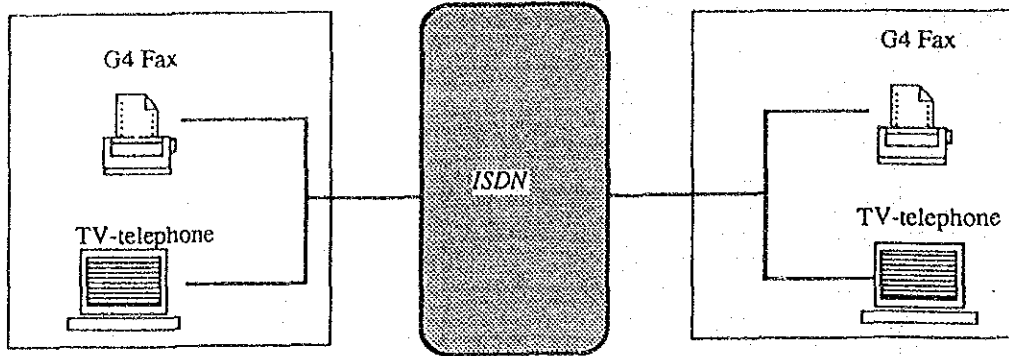
Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No.of lines					

11 - 1 Questionnaire for Telecommunication Services 14 / 26

Diagram-4

Prior to using this system, at this bank, the banker provided a low and saving consultation as a customer service, followed by a visit from an expert to the customer's house when necessary.

By using this system, the bank has improved its reputation and distinguished itself from its competitors by linking the customers and the experts directly



Terminal	Price(Baht)
G4 FAX	190,000~ 500,000
TV-telephone	1,000,000~ 1,700,000

Note: In addition to the terminal price, the line fee is also required

Question 12

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

(1) G4 FAX

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

(2) TV Telephone

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

(3) Both

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

11 - 1 Questionnaire for Telecommunication Services 15 / 26

Question 12

Does your company have any interest regarding this service or will your company introduce this service?
If so, please circle on the number and fill in the destination in the appropriate boxes.

1. Monitor camera

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

2. Guide phone

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

3. TV-conference

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

4. G4 FAX

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

5. Computer

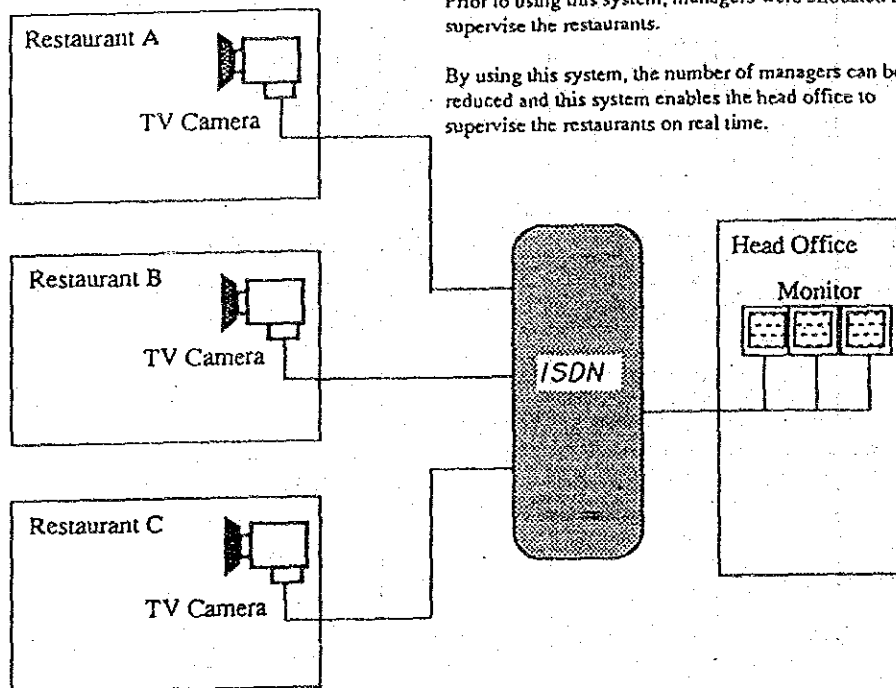
Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

6. Digital PBX

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) No idea
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

11 - 1 Questionnaire for Telecommunication Services 16/26

Diagram-S



This company, near a fishing port, has some restaurants apart from the head office.

Prior to using this system, managers were allocated to supervise the restaurants.

By using this system, the number of managers can be reduced and this system enables the head office to supervise the restaurants on real time.

Terminal	Price(Baht)
Monitor camera	80,000
Monitor center	430,000

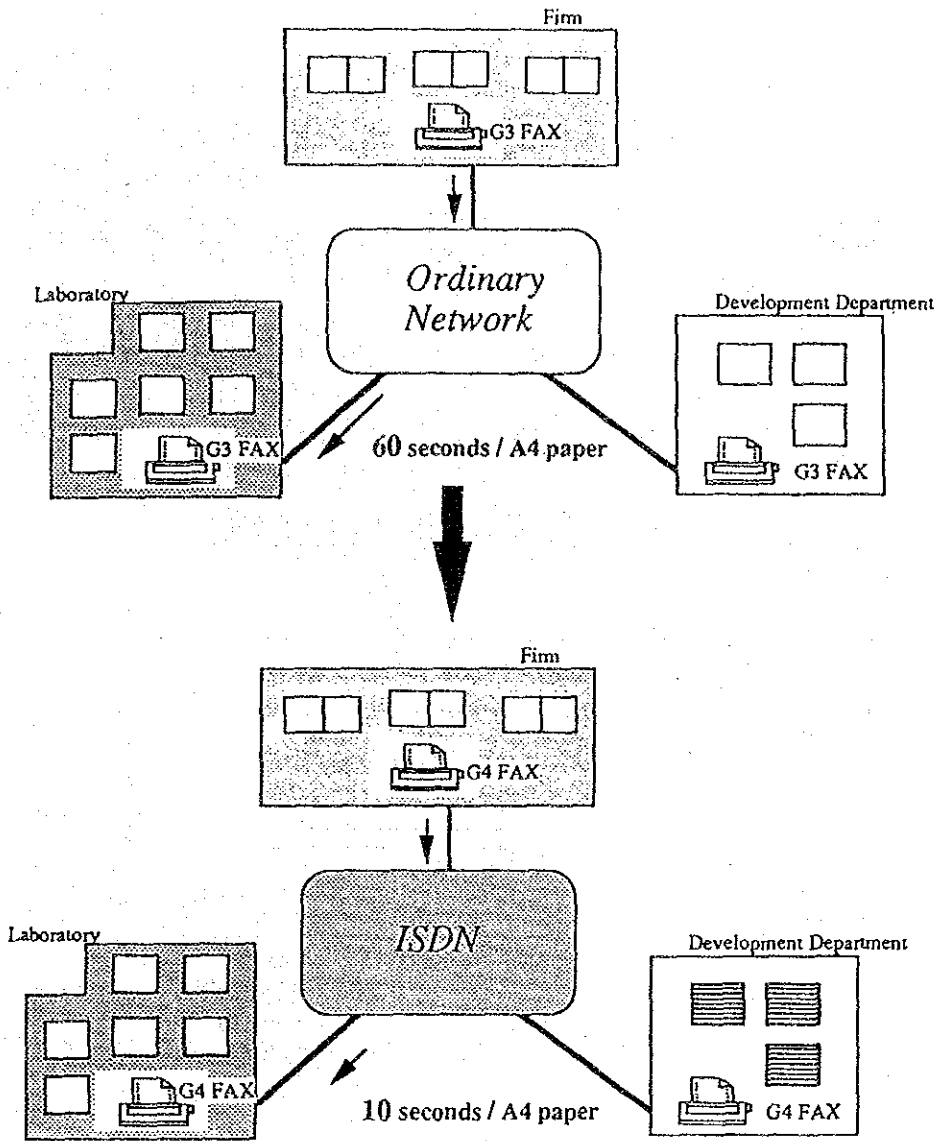
Note: In addition to the terminal price, the line fee is also required

Question 13

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

Diagram-6



Terminal	Price (Baht)
G4 FAX	190,000- 500,000

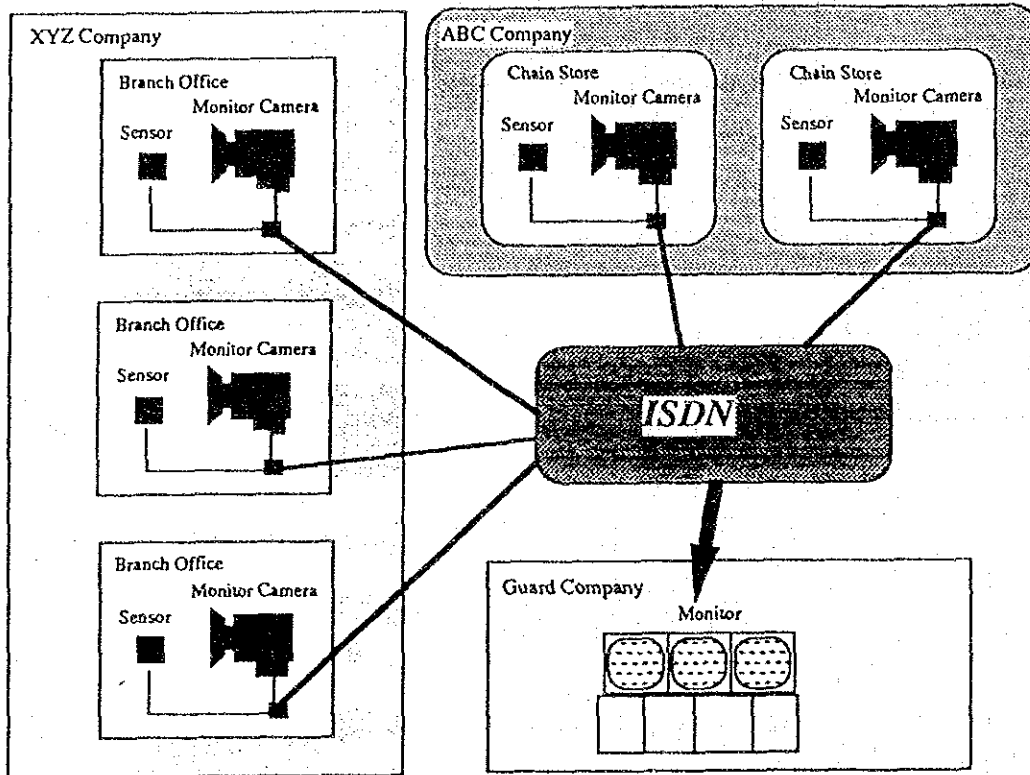
Question 14

Note: In addition to the terminal price, the line fee is also required

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

Diagram-7



This system is connected with a sensor which sends an alarm when trouble occurs to the monitoring center and a waiting security attendant.

By using this system, reliability is improved facilitating the security guards response.

Terminal	Price(Baht)
Monitor camera	80,000
Monitor center	430,000

Note: In addition to the terminal price, the line fee is also required

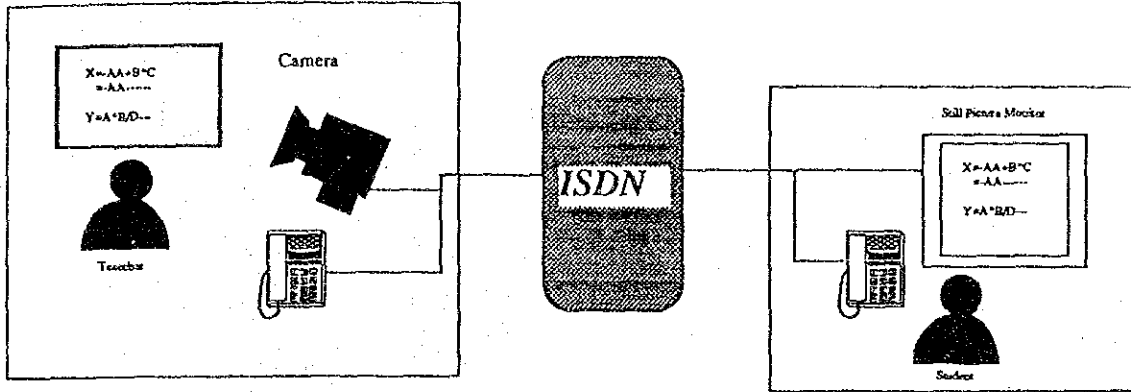
Question 15

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

Diagram -8

By using this system, students living in remote areas can study effectively using terminals display in the same atmosphere as a class room.



Terminal	Price(Baht)
Still-picture monitor	250,000-850,000
Digital telephone	40,000-60,000

Note: In addition to the terminal price, the line fee is also required

Question 16

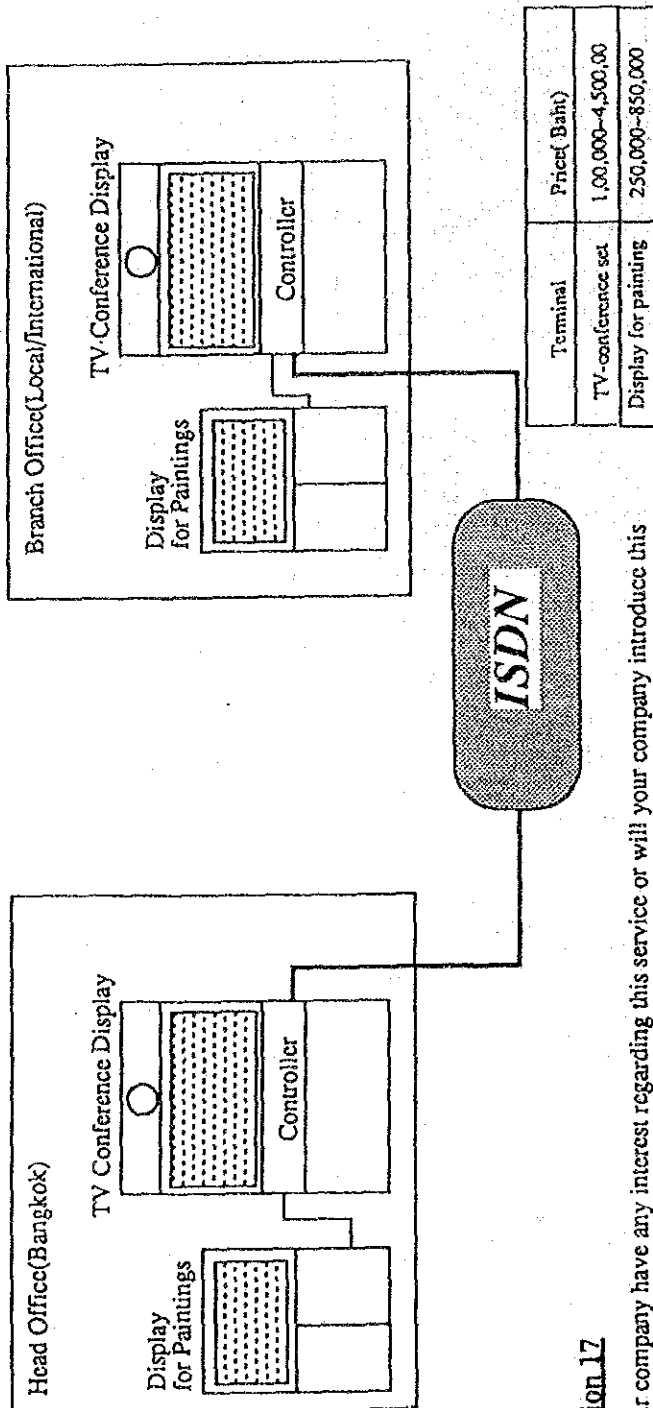
Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK--				
	No. of lines					

Diagram - 9

Prior to using this system, a national conference was held monthly at the head office. However, these meetings were time consuming and quite expensive.

By using this system, conferences can be held anytime, and through the use of the G4 FAX, a large number of documents can be sent at high speeds.



Note: In addition to the terminal price, the line fee is also required

Question 17

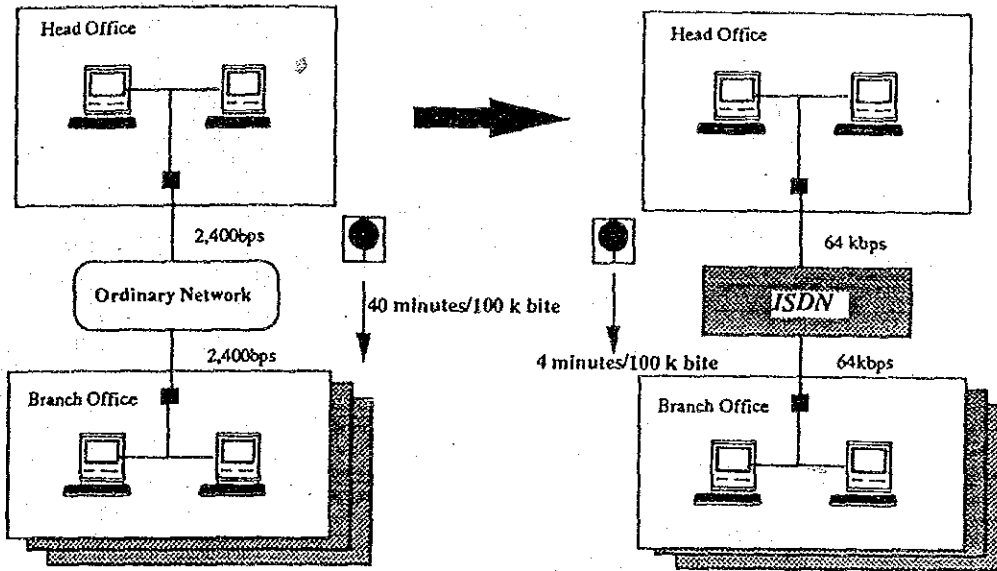
Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No		BKK-				
	Destination					
	No. of lines					

Diagram - 10

This company provides software development and the maintenance by employing many system engineers nationwide. Prior to using this system, the large volume of data necessary for designing the software was sent to the head office at speed of 1,200 bit/sec. But, there were some problems in relation to the reliability and the speed.

By using this system, the correspondence time for the data is reduced considerably from 40 minutes per 100 k bite to 4 minutes.



Terminal	Price (Baht)
PC adopter	60,000-200,000

Note: In addition to the terminal price, the line fee is also required

Question 18

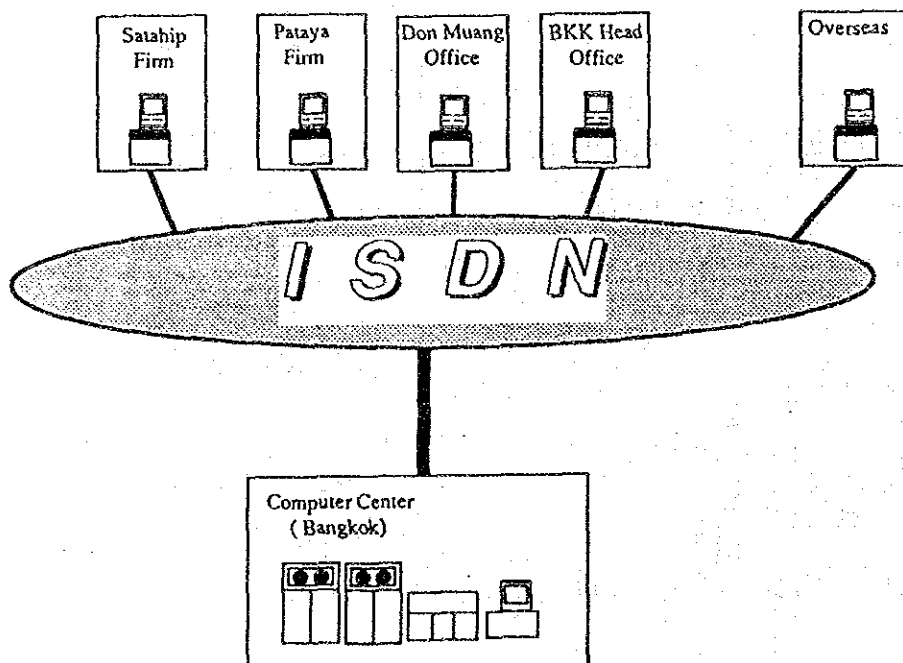
Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

Diagram - 11

Prior to using this system, it was necessary to use a remote batch process to edit collected data from approximately 100 computers allocating nationwide hote-data.

By using this system, efficiency and reliability of this process is improved considerably.



Terminal	Price(Baht)
PC adopter	60,000~200,000

Note: In addition to the terminal price, the line fee is also required

Question 19

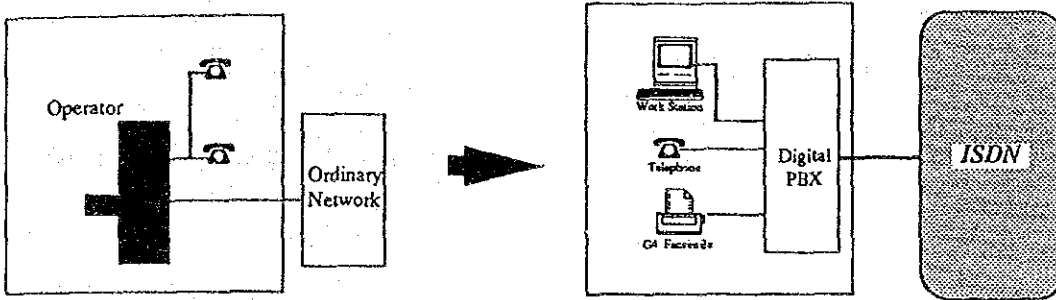
Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992~1996	(4) 1997~2001	(5) 2002~2006	(6) after 2006	(7) Unknown
(1) Yes (2) No	Destination	BKK-				
	No. of lines					

Diagram -12

Prior to using this system, telephone operators were employed.

By using this system, not only telephone exchange efficiency but also facsimile communication are improved. In addition, this system allows correspondence cost of data communication to be minimized.



Terminal	Price(Baht)
Digital PBX	(Rental)

Note: In addition to the terminal price, the line fee is also required

Question 20

Does your company have any interest regarding this service or will your company introduce this service? If so, please circle on the number and fill in the destination in the appropriate boxes.

Do you have any interest?	Year	(3) 1992-1996	(4) 1997-2001	(5) 2002-2006	(6) after 2006	(7) Un known
(1) Yes (2) No	Destination	BKK~				
	No. of lines					

11 - 1 Questionnaire for Telecommunication Services 24 / 26

Question 21 Regarding tariffs on the ISDN services,

(1) In order to use the ISDN services, additional monthly charges for the services will be required, as well as ordinary telephone charges. Two additional charges: one is for telephone and G4FAX, and another for high speed data transmission, such as computer communication, TV-conference and etc., will be set for these services. Would charge of 300 and 3,000 Baht per month respectively be reasonable? Please circle the number applicable.

For telephone and G4FAX	1. Cheap	2. Reasonable	3. Expensive	4. Very expensive
For high speed transmission	1. Cheap	2. Reasonable	3. Expensive	4. Very expensive

(2) If your answer related to the above question was 1, 3 or 4, please show how much the additional charge your company can bear per month..

For telephone and G4 FAX () Baht/month
For high speed transmission () Baht/month

Reference: Existing telephone charges are 50 and 100 Baht/month
Leased circuit charge for TOT's line capacity is 10,000 Baht/month, and for faster than 200 bit/sec is 800 Baht/month

Question 22 Regarding the condition for introductions of the ISDN services,

(1) To easily introduce the ISDN services, what conditions are needed? What ideas does your company have? Please circle all choices that apply.

1. At the time of renewal of the existing system
2. When services become popular
3. Lower prices for the terminal
4. Changing systems from the existing one to the new services should be easy
5. Low monthly charge
6. Lower call charge
7. Nationwide extension of the communication area to Asia
8. Extension of the communication area to Northern America
9. Extension of communication area to Western Europe
10. Utilization of valuable application systems and software for the services
12. Others()

(2) Regarding the conditions related above, Question (1), what condition your company think is the most important? Please answer in the ().

()

Regarding your company, please answer about following question, if you do not mind.

Question 23 What kind of business are you occupied in? Please circle the number applicable.

- | | |
|---------------------------|---|
| 1. Machinery and Metal | 11. Transportation and Communications |
| 2. Chemicals and Textiles | 12. Electricity, Gas and Water services |
| 3. Electrical machinery | 13. Agriculture, Fishery and Mining |
| 4. Food | 14. Government organization |
| 5. Wholesales | 15. Education or Research organization |
| 6. Retail dealer | 16. Medical services |
| 7. Services industry | 17. Others() |
| 8. Construction | |
| 9. Banking and Insurance | |
| 10. Real Estate | |

Question 24 Which country does your company trade with mainly? Please circle all choices that apply.

1. North America
2. West Europe
3. New Industrializing Economies (NIES) of Asia (Hong Kong, Singapore, Taiwan Korea)
4. Southern-east Asia other than NIES
5. Middle and Near east
6. Malay
7. Japan
8. Other country()
9. No trade abroad

Question 25 Under which of the following would your office be categorized? Please circle the number applicable.

- | | |
|------------------|--------------------|
| 1. Head office | 5. Warehouse |
| 2. Branch office | 6. Computer center |
| 3. Sales shop | 7. Laboratory |
| 4. Factory | 8. Others() |

Question 26 Does your company have any other offices? Please fill in the number of offices and their location in the ().

- | | |
|--------------------|-----|
| 1. Head office | () |
| 2. Branch office | () |
| 3. Sales shop | () |
| 4. Factory | () |
| 5. Warehouse | () |
| 6. Computer center | () |
| 7. Laboratory | () |
| 8. Others | () |

11 - 1 Questionnaire for Telecommunication Services 26/26

Question 27 Please fill in the following if your company does not mind.

Your company's name			
Address	Tel. ()		
Department participating in survey			
No. of employees in the participating department	Total number of employees covering your all offices() Regarding your office () Regarding oversea's office ()		
Capital	() Baht	Total amount of sales	() Baht

Thank you for your kind cooperation.

11 - 2 Results of Marketing Research (1/79)

1. EXISTING DEMAND SYSTEM FOR TELECOMMUNICATION EQUIPMENTS

Table 01. Profile of companies (Revenue more than 1,000 million baht)

	Distribution (%)	Employees		Capital (in Million Baht)	Sale/Rev.
		Total (Average Persons)	Office		
1. Agr.+ Min.	4.1	187.0	132.5	175.0	2,964.0
2. Manufacturing	19.2	638.3	156.7	919.6	3,969.3
3. Utilities	4.1	NA	NA	NA	NA
4. Construction	1.4	420.0	30.0	5,000.0	7,000.0
5. Wholesale	17.8	824.5	227.5	253.0	2,580.1
6. Retail	2.7	-	-	85.0	3,428.5
7. Rest.+ Hotel	2.7	1,450.0	31.0	2,750.0	5,698.5
8. Transport	2.7	NA	68.5	2,230.0	NA
9. Finan.+ Real est.	41.1	1,337.2	355.8	1,504.0	4,533.3
10. Private Ser.+ Gov.	4.1	-	17.0	-	-

Table 02. Profile of companies (Revenue Less than or Equal 1,000 million baht)

	Distribution (%)	Employees		Capital (In Million Baht)	Sale/Rev.
		Total (Average Persons)	Office		
1. Agr.+ Min.	2.7	290.0	12.5	77.7	480.0
2. Manufacturing	29.7	532.7	201.7	117.0	336.7
3. Utilities	-	-	-	-	-
4. Construction	10.8	249.6	14.6	44.1	285.7
5. Wholesale	13.5	225.2	99.6	19.0	390.7
6. Retail	8.1	260.7	46.0	42.5	346.4
7. Rest.+ Hotel	4.5	700.0	43.0	253.0	389.4
8. Transport	9.9	111.3	52.0	99.3	172.3
9. Finan.+ Real est.	17.1	125.5	109.0	157.0	304.1
10. Private Ser.+ Gov.	3.6	258.3	150.0	55.0	508.8

11 - 2 Results of Marketing Research (2/79)

Table 1-(1)-(a) Average Number of Existing Main Telephone Lines
(Ref. question 1-(1)-(a))

	(rev. < 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	6.0	8.0	77.3	117.3
2. Manufacturing	15.9	26.5	49.8	111.7
3. Utilities	-	-	197.3	253.7
4. Construction	19.2	30.8	46.4	80.4
5. Wholesale	11.2	19.0	47.4	73.3
6. Retail	14.6	27.9	83.5	131.0
7. Rest. + Hotel	49.0	121.7	355.0	375.0
8. Transport	19.9	51.9	165.0	325.0
9. Finan. + Real est.	39.6	60.7	275.2	501.7
10. Private Ser. + Gov.	12.0	18.8	34.3	68.7

Table 1-(1)-(b) Average Number of Branch Telephone

	(rev. < 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	19.0	27.5	313.3	550.0
2. Manufacturing	46.2	101.8	134.4	243.5
3. Utilities	-	-	1,900.0	3,500.0
4. Construction	32.9	70.0	211.5	327.3
5. Wholesale	42.2	79.1	245.1	383.3
6. Retail	48.6	114.6	NA	NA
7. Rest. + Hotel	515.0	575.0	1,725.0	1,775.0
8. Transport	62.9	152.9	NA	NA
9. Finan. + Real est.	103.0	160.4	460.5	807.7
10. Private Ser. + Gov.	89.5	133.0	117.3	394.0

Table 1-(2) Average Number of Cellular Telephone (Ref. question 1-(2))

	(rev. < 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	2.0	3.5	6.0	17.5
2. Manufacturing	4.5	16.1	8.3	18.0
3. Utilities	-	-	10.3	26.0
4. Construction	10.2	16.6	19.5	100.0
5. Wholesale	2.1	6.2	15.6	38.6
6. Retail	2.4	7.9	4.0	10.0
7. Rest. + Hotel	3.3	7.5	6.0	22.5
8. Transport	5.3	9.2	0.0	30.0
9. Finan. + Real est.	3.9	10.6	14.7	33.5
10. Private Ser. + Gov.	5.3	9.5	1.7	4.7

11 - 2 Results of Marketing Research (3/79)

Table 1-(3) Average Number of Domestic Leased Circuits

In Agriculture and Mining Sector

	(rev. <= 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.0	0.0	0.0	0.0
2. From 300 to 1,200 b/s	0.0	0.0	0.0	0.0
3. At 2,400 b/s	0.0	NA	0.5	0.0
4. At 4,800 b/s	0.0	0.0	0.0	0.0
5. At 9,600 b/s	0.0	0.0	1.3	15.0
6. Others	0.0	0.0	0.0	0.0

Table 1-(3) Average Number of Domestic Leased Circuits

In Manufacturing Sector

	(rev. <= 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.05	0.05	0.00	0.00
2. From 300 to 1,200 b/s	0.73	3.05	0.00	0.00
3. At 2,400 b/s	0.14	0.20	0.67	1.67
4. At 4,800 b/s	0.05	0.25	0.00	NA
5. At 9,600 b/s	0.18	0.40	1.22	2.13
6. Others	0.00	0.00	1.00	2.50

Table 1-(3) Average Number of Domestic Leased Circuits

In Utilities Sector

	(rev. > 1,000 million baht)	
	present	next 5 years
1. Lower than 300 b/s	0.67	1.00
2. From 300 to 1,200 b/s	0.00	0.00
3. At 2,400 b/s	0.00	0.00
4. At 4,800 b/s	0.00	0.00
5. At 9,600 b/s	0.00	0.00
6. Others	0.00	0.40

11 - 2 Results of Marketing Research (4/79)

Table 1-(3) Average Number of Domestic Leased Circuits

In Construction Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.00	0.00	NA	NA
2. From 300 to 1,200 b/s	0.00	0.00	NA	NA
3. At 2,400 b/s	0.00	0.00	NA	NA
4. At 4,800 b/s	0.00	0.00	NA	NA
5. At 9,600 b/s	0.00	0.00	NA	NA
6. Others	0.00	0.00	NA	NA

Table 1-(3) Average Number of Domestic Leased Circuits

In Wholesale Trade Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.00	0.13	0.13	0.00
2. From 300 to 1,200 b/s	0.13	0.38	0.13	0.00
3. At 2,400 b/s	0.00	0.00	0.38	0.00
4. At 4,800 b/s	0.13	0.00	0.13	0.00
5. At 9,600 b/s	0.13	0.88	1.13	2.60
6. Others	0.13	1.25	0.57	0.00

Table 1-(3) Average Number of Domestic Leased Circuits

In Retail Trade Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.29	1.43	NA	NA
2. From 300 to 1,200 b/s	0.00	0.00	NA	NA
3. At 2,400 b/s	0.00	0.00	NA	NA
4. At 4,800 b/s	0.00	0.00	NA	NA
5. At 9,600 b/s	0.00	0.00	NA	NA
6. Others	0.00	0.00	NA	NA

11 - 2 Results of Marketing Research (5/79)

Table 1-(3) Average Number of Domestic Leased Circuits
In Restaurant and Hotel Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.00	0.00	0.00	0.00
2. From 300 to 1,200 b/s	0.00	0.00	0.00	0.00
3. At 2,400 b/s	0.00	0.00	0.00	0.00
4. At 4,800 b/s	1.67	3.33	0.00	0.00
5. At 9,600 b/s	0.00	0.00	0.00	5.00
6. Others	0.00	0.00	0.00	0.00

Table 1-(3) Average Number of Domestic Leased Circuits
In Transport and Communication Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	3.33	0.00	0.00	0.00
2. From 300 to 1,200 b/s	10.10	6.25	0.00	0.00
3. At 2,400 b/s	0.00	0.00	100.00*	50.00
4. At 4,800 b/s	0.56	12.50	200.00	250.00
5. At 9,600 b/s	1.33	1.33	100.00	300.00
6. Others	0.00	0.00	32.00	64.00

Table 1-(3) Average Number of Domestic Leased Circuits
In Financial and Real Estate Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.00	0.00	0.56	1.77
2. From 300 to 1,200 b/s	0.09	0.00	1.47	3.13
3. At 2,400 b/s	0.09	0.00	27.19	53.69
4. At 4,800 b/s	0.00	0.00	25.90	22.39
5. At 9,600 b/s	3.92	4.17	10.05	61.05
6. Others	0.00	0.00	1.50	5.14

11 - 2 Results of Marketing Research (6/79)

Table 1-(3) Average Number of Domestic Leased Circuits
In Private and Government Services Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Lower than 300 b/s	0.00	0.25	1.00	0.00
2. From 300 to 1,200 b/s	0.00	0.25	0.00	0.00
3. At 2,400 b/s	0.00	0.00	0.00	0.00
4. At 4,800 b/s	0.00	0.00	0.00	0.00
5. At 9,600 b/s	0.00	0.00	0.00	0.00
6. Others	0.00	0.00	0.00	0.00

Table 1-(4) Average Number of International Leased Circuits

In Agriculture and Mining Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.00	0.00	0.00	0.00
2. All kinds of information	0.00	0.00	0.00	1.00
3. Multiple leased circuits	0.00	0.00	0.00	0.00
4. Others	0.00	0.00	0.50	0.00

Table 1-(4) Average Number of International Leased Circuits

In Manufacturing Sector

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.27	0.50	0.11	0.00
2. All kinds of information	1.18	3.91	0.22	0.22
3. Multiple leased circuits	0.46	3.30	0.11	0.00
4. Others	0.00	0.00	0.22	0.33

Table 1-(4) Average Number of International Leased Circuits

In Utilities Sector

	(rev. > 1,000 million baht)	
	present	next 5 years
1. Voiced grade only	0.00	0.00
2. All kinds of information	0.00	0.00
3. Multiple leased circuits	0.00	0.00
4. Others	0.00	0.00

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Table 1-(4) Average Number of International Leased Circuits

	<u>In Construction Sector</u>			
	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.00	0.00	4.00	8.00
2. All kinds of information	0.00	0.00	0.00	0.00
3. Multiple leased circuits	0.00	0.00	0.00	0.00
4. Others	0.00	0.00	0.00	0.00

Table 1-(4) Average Number of International Leased Circuits

	<u>In Wholesale Trade Sector</u>			
	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.00	0.00	0.00	0.00
2. All kinds of information	0.00	0.00	0.72	0.33
3. Multiple leased circuits	0.00	0.00	2.57	8.00
4. Others	0.00	0.00	0.43	0.17

Table 1-(4) Average Number of International Leased Circuits

	<u>In Retail Trade Sector</u>			
	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.00	0.00	0.00	0.00
2. All kinds of information	0.00	0.00	0.00	0.00
3. Multiple leased circuits	0.71	2.86	0.00	0.00
4. Others	0.00	0.00	0.00	0.00

Table 1-(4) Average Number of International Leased Circuits

	<u>In Restaurant and Hotel Sector</u>			
	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.00	0.00	0.00	0.00
2. All kinds of information	1.67	3.33	0.00	0.00
3. Multiple leased circuits	0.00	0.00	0.00	3.00
4. Others	0.00	0.00	0.00	0.00

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Table 1-(4) Average Number of International Leased Circuits

In Transport and Communication Sector

	(rev. <= 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.20	0.22	0.00	0.00
2. All kinds of information	0.40	0.44	1.00	32.00
3. Multiple leased circuits	0.10	0.30	0.00	0.00
4. Others	0.09	0.09	0.00	0.00

Table 1-(4) Average Number of International Leased Circuits

In Finance and Real Estate Sector

	(rev. <= 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.00	0.09	0.44	0.80
2. All kinds of information	0.33	0.42	1.47	2.67
3. Multiple leased circuits	0.00	0.00	0.13	0.33
4. Others	0.00	0.00	0.00	0.00

Table 1-(4) Average Number of International Leased Circuits

In Private and Government Services Sector

	(rev. <= 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Voiced grade only	0.50	1.00	NA	NA
2. All kinds of information	1.00	2.50	NA	NA
3. Multiple leased circuits	0.00	0.00	NA	NA
4. Others	0.00	0.00	NA	NA

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Table 1-(5)-(a)-1. Average Number of Analog PBX (Unit)
(Ref. question 1-(5)-(a))

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	0.33	0.33	0.00	0.00
2. Manufacturing	0.09	0.25	0.18	0.43
3. Utilities	-	-	0.00	0.00
4. Construction	0.00	0.00	0.33	0.86
5. Wholesale	0.09	0.33	0.00	0.00
6. Retail	0.13	0.00	0.00	0.00
7. Rest. + Hotel	0.00	0.40	0.00	0.00
8. Transport	0.10	0.22	0.00	0.00
9. Finan. + Real est.	0.00	0.00	0.09	0.05
10. Private Ser. + Gov.	0.07	0.25	0.67	0.50

Table 1-(5)-(a)-2. Average Number of Analog PABX (Unit)

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	0.00	0.00	1.00	0.33
2. Manufacturing	0.52	0.46	0.17	NA
3. Utilities	-	-	16.00	11.00
4. Construction	0.10	0.25	0.00	0.00
5. Wholesale	0.00	0.00	0.20	0.00
6. Retail	0.38	0.80	0.20	0.20
7. Rest. + Hotel	0.25	0.25	0.00	0.00
8. Transport	0.10	0.11	2.00	0.00
9. Finan. + Real est.	0.53	0.75	0.46	0.25
10. Private Ser. + Gov.	0.00	0.00	0.00	0.00

Table 1-(5)-(a)-3. Average Number of Digital PABX (Unit)

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	0.67	1.00	0.00	0.33
2. Manufacturing	0.44	1.57	0.73	1.20
3. Utilities	-	-	7.33	11.33
4. Construction	0.20	0.22	0.00	0.00
5. Wholesale	0.46	0.40	0.89	1.13
6. Retail	0.25	0.33	0.50	1.00
7. Rest. + Hotel	2.48	4.67	4.50	NA
8. Transport	0.30	0.22	2.00	3.00
9. Finan. + Real est.	0.47	0.75	1.29	3.83
10. Private Ser. + Gov.	0.33	1.00	1.00	5.00

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Table 1-(5)-(a)-4. Average Number of Key Telephone (Unit)

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr.+ Min.	1.00	NA	0.00	0.00
2. Manufacturing	0.73	1.71	3.82	7.83
3. Utilities	-	-	3.33	9.00
4. Construction	1.00	1.13	2.00	4.00
5. Wholesale	0.60	NA	0.67	1.00
6. Retail	0.86	1.25	2.00	5.00
7. Rest.+ Hotel	0.00	0.00	0.00	0.00
8. Transport	1.30	3.33	1.50	3.00
9. Finan.+ Real est.	0.07	NA	4.35	8.90
10. Private Ser.+ Gov.	0.00	0.50	0.00	0.00

Note: 1) NTTI's original questionnaire (Ref. 1-(5)-(a) and (b)) is adjusted so that number of unit analog PBX, analog PABX and digital PABX and Key Telephone, Units, are asked.
 2) companies in utilities sector are government enterprises that have revenue more than 1,000 million baht, thus, neglecting revenue =< 1,000 million baht

Table 1-(5)-(c) Line capacity of P(A)BX: Average Number of Telephone Lines

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr.+ Min.	34.50	123.00	51.67	69.67
2. Manufacturing	23.22	35.88	28.40	86.67
3. Utilities	-	-	189.00	240.34
4. Construction	12.83	23.60	14.00	NA
5. Wholesale	9.44	24.00	37.00	55.00
6. Retail	14.17	22.20	48.00	56.00
7. Rest.+ Hotel	75.00	150.00	110.00	150.00
8. Transport	15.33	34.29	30.00	NA
9. Finan.+ Real est.	43.75	79.33	213.76	432.60
10. Private Ser.+ Gov.	14.50	16.00	14.33	51.33

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Table 1-(5)-(c) Line capacity of P(A)BX: Average Number of Extension Lines

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	260.00	515.00	313.33	550.00
2. Manufacturing	48.23	99.95	145.00	289.75
3. Utilities	-	-	3,759.33	3,866.00
4. Construction	50.44	60.14	88.00	NA
5. Wholesale	41.20	86.13	197.89	367.75
6. Retail	85.50	191.50	500.00	600.00
7. Rest. + Hotel	643.00	1,000.00	1,050.00	1,150.00
8. Transport	58.78	109.29	NA	NA
9. Finan. + Real est.	112.53	202.50	578.88	1,045.29
10. Private Ser. + Gov.	101.00	144.00	117.33	394.00

Table 1-(6) Average Number of Facsimile Terminal sets

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	2.67	3.33	4.00	7.00
2. Manufacturing	2.31	4.44	5.14	10.89
3. Utilities	-	-	35.33	113.33
4. Construction	1.92	4.09	2.00	5.00
5. Wholesale	2.20	5.15	6.42	11.64
6. Retail	2.63	5.43	2.50	3.00
7. Rest. + Hotel	3.20	17.75	2.00	15.00
8. Transport	2.55	4.00	3.00	5.00
9. Finan. + Real est.	2.53	4.63	43.90	87.12
10. Private Ser. + Gov.	1.50	2.50	3.83	5.50

Table 1-(7) Average Number of Paging Terminal Sets
(Ref. questionnaire 1-(7)-(a))

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	3.00	5.00	4.67	5.00
2. Manufacturing	8.45	21.77	13.07	27.55
3. Utilities	-	-	4.00	11.67
4. Construction	7.83	23.00	0.00	0.00
5. Wholesale	2.67	5.40	57.58	106.70
6. Retail	1.67	4.71	2.50	5.00
7. Rest. + Hotel	23.75	31.25	70.00	115.00
8. Transport	10.91	19.18	76.50	152.50
9. Finan. + Real est.	9.58	18.28	36.50	85.05
10. Private Ser. + Gov.	15.50	31.25	0.00	0.00

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Table 1-(8) Average Number of Telex Lines (including both private and public telex)

	(rev. < 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	1.00	2.06	3.67	6.50
2. Manufacturing	0.84	1.50	1.21	1.75
3. Utilities	-	-	1.67	1.67
4. Construction	0.50	0.88	2.00	4.00
5. Wholesale	0.62	1.00	1.55	1.70
6. Retail	0.13	0.33	0.50	0.50
7. Rest. + Hotel	2.40	4.50	2.50	3.50
8. Transport	1.27	1.91	18.00	17.50
9. Finan. + Real est.	0.90	1.33	4.75	5.20
10. Private Ser. + Gov.	0.50	1.00	1.00	0.50

Table 1-(9) Average Number of Telegraph Leased Circuits Lines

	(rev. < 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	0.00	0.00	1.33	4.00
2. Manufacturing	0.52	0.95	0.40	NA
3. Utilities	-	-	0.00	0.00
4. Construction	0.00	0.00	0.00	0.00
5. Wholesale	0.55	0.55	0.50	0.50
6. Retail	0.13	0.17	0.00	0.00
7. Rest. + Hotel	0.40	0.00	0.00	0.00
8. Transport	0.50	0.60	0.00	0.00
9. Finan. + Real est.	0.61	0.71	0.17	0.40
10. Private Ser. + Gov.	0.00	0.00	0.67	0.67

Table 1-(10) Average Number of International Data Base Access and Remote Computing Lines (VAN)
(Ref. questionnaire 1-(11))

	(rev. < 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr. + Min.	0.00	0.00	0.67	1.00
2. Manufacturing	0.72	1.44	1.20	3.88
3. Utilities	-	-	0.00	0.00
4. Construction	0.00	0.22	0.00	0.00
5. Wholesale	0.11	0.44	0.33	0.71
6. Retail	0.00	1.00	0.00	0.00
7. Rest. + Hotel	0.00	0.00	2.50	5.00
8. Transport	0.00	0.10	0.00	10.00
9. Finan. + Real est.	0.53	1.24	0.77	1.54
10. Private Ser. + Gov.	0.00	0.50	0.00	0.00

Note: We ask VAN services of TOT instead of DATEL which provides by CAT. This is recommended by TOT's working group.

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Table 1-(11) Main Frame Computer (Ref. questionnaire 1-(12))

Portion of the Networking Function of the Computer

AT PRESENT

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	as a stand alone function only	LAN	as a stand alone function only	LAN
1. Agr.+ Min.	NA	NA	100.00 %	0.00 %
2. Manufacturing	77.14 %	22.86 %	76.25 %	23.75 %
3. Utilities	-	-	100.00 %	0.00 %
4. Construction	NA	NA	100.00 %	0.00 %
5. Wholesale	59.17 %	41.83 %	89.38 %	10.62 %
6. Retail	100.00 %	00.00 %	NA	NA
7. Rest.+ Hotel	100.00 %	00.00 %	100.00 %	0.00 %
8. Transport	50.00 %	50.00 %	85.00 %	15.00 %
9. Finan.+ Real est.	77.42 %	26.58 %	66.18 %	33.72 %
10. Private Ser.+ Gov.	100.00 %	00.00 %	90.00 %	10.00 %

Table 1-(11) Main Frame Computer (Ref. questionnaire 1-(12))

Portion of the Networking Function of the Computer

FOR THE NEXT FIVE YEARS

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	as a stand alone function only	LAN	as a stand alone function only	LAN
1. Agr.+ Min.	NA	NA	25.00 %	75.00 %
2. Manufacturing	75.00 %	25.00 %	66.70 %	33.30 %
3. Utilities	-	-	85.00 %	15.00 %
4. Construction	NA	NA	71.25 %	28.75 %
5. Wholesale	40.00 %	60.00 %	62.00 %	38.00 %
6. Retail	100.00 %	00.00 %	NA	NA
7. Rest.+ Hotel	100.00 %	00.00 %	100.00 %	00.00 %
8. Transport	46.67 %	53.33 %	50.00 %	50.00 %
9. Finan.+ Real est.	65.00 %	35.00 %	53.57 %	46.43 %
10. Private Ser.+ Gov.	100.00 %	00.00 %	50.00 %	50.00 %

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Table 1-(12)-(a) Average Number of Personal Computers (Ref. question 1-(13)-(a))

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	present	next 5 years	present	next 5 years
1. Agr.+ Min.	1.00	3.50	7.50	10.00
2. Manufacturing	14.39	37.32	94.10	185.00
3. Utilities	-	-	119.33	457.50
4. Construction	7.92	22.90	60.00	100.00
5. Wholesale	10.14	22.09	53.44	93.78
6. Retail	3.75	9.50	25.00	60.00
7. Rest.+ Hotel	11.80	26.25	25.00	37.50
8. Transport	19.20	64.71	105.00	207.50
9. Finan.+ Real est.	28.33	26.28	131.30	236.89
10. Private Ser.+ Gov.	10.75	18.25	6.67	15.00

Table 1-(12) Personal Computer

Portion of the Networking Function of the Computer

AT PRESENT

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	as a stand alone function only	LAN	as a stand alone function only	LAN
1. Agr.+ Min.	100.00 %	00.00 %	100.00 %	00.00 %
2. Manufacturing	81.25 %	18.75 %	84.15 %	15.85 %
3. Utilities	-	-	100.00 %	00.00 %
4. Construction	97.50 %	2.50 %	100.00 %	00.00 %
5. Wholesale	76.67 %	23.33 %	84.44 %	15.56 %
6. Retail	100.00 %	00.00 %	60.00 %	40.00 %
7. Rest.+ Hotel	87.50 %	12.50 %	90.00 %	10.00 %
8. Transport	71.43 %	28.57 %	50.00 %	50.00 %
9. Finan.+ Real est.	84.56 %	15.26 %	84.38 %	15.62 %
10. Private Ser.+ Gov.	100.00 %	0.00 %	90.00 %	10.00 %

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Table 1-(12) Personal Computer

Portion of the Networking Function of the Computer

FOR THE NEXT FIVE YEARS

	(rev. =< 1,000 million baht)		(rev. > 1,000 million baht)	
	as a stand alone function only	LAN	as a stand alone function only	LAN
1. Agr. + Min.	87.50 %	12.50 %	70.00 %	30.00 %
2. Manufacturing	78.25 %	21.75 %	53.13 %	46.87 %
3. Utilities			62.50 %	37.50 %
4. Construction	85.00 %	15.00 %	100.00 %	00.00 %
5. Wholesale	74.50 %	25.50 %	51.25 %	48.75 %
6. Retail	NA	NA	70.00 %	30.00 %
7. Rest. + Hotel	87.50 %	12.50 %	80.00 %	20.00 %
8. Transport	77.50 %	22.50 %	45.00 %	55.00 %
9. Finan. + Real est.	71.67 %	28.33 %	48.33 %	51.67 %
10. Private Ser. + Gov.	80.00 %	20.00 %	50.00 %	50.00 %

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2. USAGE OF EXISTING TELECOMMUNICATION SERVICES

Table 2-(1) State of Usage of Ordinary Telephone Services
(Ref. question 2-(1)-(a),(b) and (c))

	<u>Portion of Calls 'TO'</u>		
	local calls	long distance calls	international calls
1. Agr.+ Min.	47.78 %	34.44 %	17.78 %
2. Manufacturing	63.56 %	23.64 %	12.80 %
3. Utilities	60.00 %	30.00 %	10.00 %
4. Construction	69.23 %	16.92 %	13.85 %
5. Wholesale	63.21 %	19.53 %	17.26 %
6. Retail	72.28 %	20.36 %	7.36 %
7. Rest.+ Hotel	51.00 %	15.00 %	34.00 %
8. Transport	60.22 %	16.55 %	23.23 %
9. Finan.+ Real est.	68.84 %	19.90 %	11.26 %
10. Private Ser.+ Gov.	71.00 %	19.05 %	9.95 %

Table 2-(1)-1 State of Usage of Ordinary Telephone Services
(Ref. question 2-(1)-1 (a),(b) and (c))

	<u>Portion of Calls 'FROM'</u>		
	local calls	long distance calls	international calls
1. Agr.+ Min.	56.43 %	20.00 %	23.57 %
2. Manufacturing	65.34 %	22.57 %	12.09 %
3. Utilities	60.00 %	30.00 %	10.00 %
4. Construction	75.83 %	15.67 %	8.50 %
5. Wholesale	69.05 %	15.22 %	15.73 %
6. Retail	74.91 %	12.09 %	13.00 %
7. Rest.+ Hotel	52.00 %	13.00 %	35.00 %
8. Transport	60.37 %	15.04 %	24.59 %
9. Finan.+ Real est.	71.67 %	16.07 %	12.26 %
10. Private Ser.+ Gov.	67.68 %	20.50 %	11.82 %

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Table 2-(1)-2 Rank of calling and called party

In Agriculture and Minings Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	2	2
(c) To wholesales stores	5	4
(d) To retail stores that sale your products	6	6
(e) To banks, finance organizations	3	3
(f) To Government organizations	4	5
(g) Others	7	7

In Manufacturing Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	2	2
(c) To wholesales stores	3	3
(d) To retail stores that sale your products	4	4
(e) To banks, finance organizations	5	5
(f) To Government organizations	6	6
(g) Others	7	7

In Utilities Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	2	2
(c) To wholesales stores	3	3
(d) To retail stores that sale your products	6	6
(e) To banks, finance organizations	5	5
(f) To Government organizations	4	4
(g) Others	7	7

In Construction Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	2	2
(c) To wholesales stores	3	3
(d) To retail stores that sale your products	6	4
(e) To banks, finance organizations	4	6
(f) To Government organizations	5	5
(g) Others	7	7

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In Wholesale Trade Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	2	3
(c) To wholesales stores	4	2
(d) To retail stores that sale your products	5	5
(e) To banks, finance organizations	3	4
(f) To Government organizations	6	6
(g) Others	7	7

In Retail Trade Sector

	To	From
(a) To your headquarters, other offices, firms	2	3
(b) For procurement of parts, materials, goods, etc.	3	4
(c) To wholesales stores	1	1
(d) To retail stores that sale your products	4	2
(e) To banks, finance organizations	5	5
(f) To Government organizations	6	6
(g) Others	7	7

In Restuarant and Hotel Sector

	To	From
(a) To your headquarters, other offices, firms	3	1
(b) For procurement of parts, materials, goods, etc.	1	2
(c) To wholesales stores	2	3
(d) To retail stores that sale your products	5	5
(e) To banks, finance organizations	4	4
(f) To Government organizations	6	6
(g) Others	7	7

In Transport and Communication Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	3	3
(c) To wholesales stores	6	6
(d) To retail stores that sale your products	5	4
(e) To banks, finance organizations	2	2
(f) To Government organizations	4	5
(g) Others	7	7

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In Finance and Real Estate Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	4	4
(c) To wholesales stores	5	6
(d) To retail stores that sale your products	6	5
(e) To banks, finance organizations	2	2
(f) To Governament organizations	3	3
(g) Others	7	7

Private and Government Services Sector

	To	From
(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	3	3
(c) To wholesales stores	4	4
(d) To retail stores that sale your products	6	5
(e) To banks, finance organizations	5	6
(f) To Government organizations	2	3
(g) Others	7	7

Table 2-(1)-3A

	Main purpose of Domestic calls		
	First	Second	Third
1. Agr. + Mia.	2,5	1	4,7,10
2. Manufacturing	2	2	2,5
3. Utilities	4,5	4,88	3
4. Construction	2	7	88
5. Wholesale	2	2	88
6. Retail	2,5	88	1,11
7. Rest. + Hotel	2	2	2
8. Transport	2	2,88	88
9. Finan. + Real est.	2	2	2
10. Private. Ser. + Gov.	4,5	4	88

- * note
- 01 = Banking Procedure
 - 02 = Sale of products and services
 - 03 = Make contact to other company
 - 04 = Make contact with own company
 - 05 = Order for purchase
 - 06 = Confirmation of account
 - 07 = Send product detail
 - 09 = Make appointment
 - 10 = Make transport inquiries
 - 11 = Confirmation of inventories
 - 88 = Make personal and other bussiness contracts

11 - 2 Results of Marketing Research (20/79)

	Main purpose of International calls		
	First	Second	Third
1. Agr.+ Min.	2,3,5,7,10	2	2,4
2. Manufacturing	2	2	2
3. Utilities	1	1	-
4. Construction	2	2,88	2,88
5. Wholesale	2	5	2,5,88
6. Retail	2,5,88	5	5
7. Rest.+ Hotel	2	2,4	2
8. Transport	2	2	2,4,88
9. Finan.+ Real est.	4	2	2
10. Private Ser.+ Gov.	4	2,4,88	2,7,88

Table 2-(1)-3B Regarding the five main purposes of Domestic calls

Purpose	Times/day	Location
02	114	Bangkok, Chiang Mai, Songkhla
05	45	Bangkok, Udon Thani, Chachoengsao, Ayutthaya
04	34	Bangkok, Phuket, Chiang Mai, Nakorn Ratchasima
88	60	Bangkok, Chonburi, Chachoengsao
03	78	Bangkok, Chiang Mai

Regarding the five main purposes of International calls

Purpose	Times/day	Location
02	19	Japan, Hong Kong, U.S.A.
03	11	Singapore, Hong Kong, Germany, Australia
05	8	Japan, Singapore, U.S.A., Germany
04	10	Hong Kong, Japan, U.S.A.
88	8	U.S.A., Japan, Hong Kong

Table 2-(2) State of Usage of Cellular Mobile Services

	Portion of Calls 'TO' by Type		
	local calls	long distance calls	international calls
1. Agr.+ Min.	74.00 %	20.00 %	6.00 %
2. Manufacturing	69.25 %	24.31 %	6.44 %
3. Utilities	100.00 %	0.00 %	0.00 %
4. Construction	89.00 %	8.00 %	3.00 %
5. Wholesale	59.09 %	36.64 %	4.27 %
6. Retail	78.60 %	18.20 %	3.20 %
7. Rest.+ Hotel	40.00 %	25.00 %	35.00 %
8. Transport	63.11 %	11.78 %	25.11 %
9. Finan.+ Real est.	78.58 %	15.19 %	6.23 %
10. Private Ser.+ Gov.	77.09 %	10.83 %	12.08 %