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

Portion of Calls 'FROM' by Type

	local calls	long distance calls	international calls
L. Agr.+ Hin.	87,50 %	6,25 %	6.25 %
2. Manufacturing	74.43 %	19.11 \$	6.46 1
3. Utilities	100.00 \$	0.00 %	0.00 %
4. Construction	95.83 %	3.50 X	0.67 %
5. Pholesale	62.44 %	30.89 K	6.67 %
6. Retail	80.00 %	17,50 1	2.50 %
7, Rest.+ Hotel	75.00 %	15,00 1	10.00 %
8. Transport	63.89 %	12.22 \$	23.89 %
9. Finan.+ Real est.	80.90 %	11,43 %	7.67 %
10.Private Ser.+ Gov.	78.09 %	10.73 %	12.30 %

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

In Agriculture and Minings Sector

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

In Manufacturing Sector

•		To	From	
(a)	To your headquarters, other offices, firms	. 1	l	
(b)	For procurement of parts, materials, goods, etc.	4	Ĵ	
(c)	To wholesales stores	3	2	
(d)	To retail stores that sale your products	5	5	
	To banks, linance organizations	2	4	
	To Government organizations	б	6	
(8)	Others	7	7	
		· .	· · · ·	

11 - 2 Results of Marketing Research (22/79)

In Utilities Sector

.

	To	Fron	
 (a) To your headquarters, other offices, firms (b) For procurement of parts, materials, goods, etc. 	1 2 3	1 2 3	۰ ۱۰ - ۲۰
 (c) To wholesales stores (d) To retail stores that sale your products (e) To banks; finance organizations (f) To Government organizations (s) Others 	6 4 5 7	6 4 5 7	
In	Construction Sector		
	То	Froa	
 (a) To your headquarters,other offices,firms (b) For procurement of parts,materials,goods,etc. (c) To wholesales stores (d) To retail stores that sale your products (e) To banks,finance organizations (f) To Government organizations (g) Others 	1 2 3 5 4 6 7	1 2 3 5 4 6 7	

In Tholesale Trade Sector

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

In Retail Trade Sector

P-12

	10	r ron
(a) To your headquarters, other offices, firms	1	
(b) For procurement of parts, materials, goods, etc.	4,	4
(c) To pholesales stores	۲ ج	3
(d) To retail stores that sale your products (e) To banks,linance organizations	3	Ś
(f) To Government organizations	б б	6
(g) Others	. 1	7

In Restuarant and Hotel Sector

	Tø	From
[a] To your headquarters, other offices, firms	1	2
(b) For procurement of parts, materials, goods, etc.	2	1
(c) To wholesales stores	3	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

.

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

In Finance and Real Estate Sector

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

In Private and Government Services Sector

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

11 - 2 Results of Marketing Research (24/79)

Table 2-(2)-3A	Main purpose of Domestic calls			
10010 0 (0) 00	First	Second	Third	
1. Agr.+ Kin.	2	2	- 4	
2. Kanufacturing	5	4	6	
3. Utilities	NA	NA	NA	
4. Construction	2,4	4	88	
5. Pholesale	2	5,6	6,88	
6. Retail	2,4,88	2,88	1	
7. Rest.+ Hotel	2	6	88	
8. Transport	2	NA	NA	
9. Finan.+ Real est.	2	2	2	
10.Private Ser.+ Gov.	2,4,5	2,1	1	

	Wain purp	ose of Internatio	onal calls	
	First	Second	Third	
1	10	·	_	
l. Agr.+ Min.	10	- 0	9	
2. Manufacturing	2	4		and the second second second
3. Utilities	NA	NA		
4. Construction	¢.	4	88	and the second
5. Tholesale	· 5	5	5	
6. Retail	NA	NA	NA	
7. Rest.+ Hotel	2,88	NA	NA	
8. Transport	2,4	2,4	ŇĂ	
9. Finan.+ Real est.	2	2	2	
10.Private Ser.+ Gov.	5,6	5	5	

Table 2-{2}-38 Regarding the five main purposes of Domestic calls

Times/day	Location
21	Bangkok,Chiang Wai,Chon Buri
(7	Bangkok, Chiang Wai, Chon Buri, Phuket
06	Bangkok, Phuket, Nakorn Ratchasima
06	Bangkok, Nonthaburi
07	Bangkok
	21 17 06

Regarding the five main purposes of International calls

Purpose	Ti c es/day	Location
02	4	Japan, Singapore, U.S.A.
05	5	Japan, Singapore, U.S.A., Kong, Kony
04	4	Hong Rong, South Korea, Singapore
01	5	Japan
88	2	Hongkong

Table 2-(3) State of Usage of Facsimile Communication

Portion of Calls 'TO' by Type

	local calls	long distance calls	international calls
1. Agr.+ Min.	35.50 %	26.17 %	38.33 %
2. Manufacturing	58.15 \$	21.73 %	20.12 %
3. Utilities	10.00 \$	85.00 %	5.00 %
4. Construction	72.50 %	13.17 5	14.33 %
5. Wholesale	48.27 L	25.53 %	26.20 %
6. Retail	75.00 %	11.33 %	13.67 %
7. Rest.+ Hotel	45.00 %	16.25 %	-38.75 %
8. Transport	44.50 %	12.00 %	43.50 %
9. Finan.+ Real est.	59,25 %	17.25 %	23.50 %
10.Private Ser.+ Gov.	56.80 %	18.87 1	24.33 %

Table 2-(3) State of Usage of Facsimile Communication

• • •

Portion of Calls 'FROM' by Type

	· · · · · ·		
	local calls	long distance calls	international calls
1. Agr.+ Kin.	48.00 %	20.33 %	31.67 \$
2. Manufacturing	61.14 %	20,69 %	18.17 1
3. Utilities	10.00 %	85.00 %	5.00 1
4. Construction	73.45 1	18.54 1	7.91 %
5. Tholesale	47.80 %	24.00 %	28.20 1
6. Retail	65.83 %	12.00 %	22.17 \$
7. Rest.+ Hotel	52.50 %	16.25 %	31.25 1
8. Transport	40.40 1	24.30 1	35.30 1
9. Finan.+ Real est.	58.33 %	19.00 L	22.67 \$
10.Private Ser.+ Gov.	50.67 %	23.00 %	26.33 \$

Agriculture and Minings Sector

	To	Fron
(a) To your headquarters, other offices, fires	t	l .
(b) For procurement of parts, materials, goods, etc	2	- 2
(c) To wholesales stores	5	S
(d) To relail stores that sale your products	6	6
(e) To banks, finance organizations	3	3
([] To Government organizations	4	4
(a) Others	7	7

.

<u>In Manufacturing Sector</u> To

			To	•	From	
	· · · · ·					
					t	
(a)	To your headquarters, other offices, fires		. 1		. L 0 .	
(6)	For procurement of parts, materials, goods, etc.		3		· 6	
(c)	To sholesales stores	÷	2		• 3	
ldi	To retail stores that sale your products		- 4		4	
lei	To banks, finance organizations		- 5		5	
iń	To Government organizations		. 6	·	6	
	Others		7	•	7	
191			-			
	In Util	ities Sect	00			
	· · · · · · · · · · · · · · · · · · ·		To		From	
		÷	•			
121	To your headquarters, other offices, firms		1		1	
{0}	For procurement of parts, materials, goods, etc.		2		2	
	To sholesales stores		5		5	
			ą		3	
	To retail stores that sale your products		6		6	
	To banks, finance organizations		0 4		Å.	
	To Governgent organizations		1			
(g)	Others		1		1	
						•
	In Cons	truction S			6	•
			TO		Froa	
				•		· ·
(a)	To your headquarters, other offices, firms		. 2		l	
(b)	For procurement of parts, materials, goods, etc.		1		ć	
(c)	To wholesales stores		- 3		3	
(d)	To retail stores that sale your products		5	2 2	. 4	
	To banks,finance organizations		4		5	•
	To Government organizations		6	4.1	6	1
	Others		7	2010	7	• • · · · · · · · · · · · · · · · · · ·
				. '		i de la sur de la
		÷.,				1
	In Tholes	ale Trade	Sector			and the second
			To		From	
(2)	To your headquarters, other offices, fires	•	1		1	
	For procurement of parts, materials, goods, etc.		2		2	· · · · ·
	To wholesales stores	-	3		3	
			Å		đ	
	To retail stores that sale your products		r r	•	τ ζ	
	To banks, finance organizations		J			
	To Government organizations		0	1.1.1.1	0	
(g)	Others		1	•	- 1	
			1997 - E.			
					e garan da se	

. .

In Retail Trade Sector

Froa

From

Fron

To

To

· · · · · · · · · · · · · · · · · · ·	· · ·	
(a) To your headquarters, other offices, fin	ras 1	2
(b) For procurement of parts, materials, good	ods,eic. 2	1
(c) To wholesales stores	3	5
(d) To retail stores that sale your produc	sts 5	3
(e) To banks, finance organizations	4	4
(f) To Government organizations	6	6
(g) Others	7	. 7

In Restuarant and Hotel Sector

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

In Trasport and Communication Sector To

		To	Froa
[a]	To your headquarters, other offices, firms	1	- 1
(6)	For procurement of parts, materials, goods, etc.	2	2
	To wholesales stores	3	3
(d)	To retail stores that sale your products	5	6
lel	To banks, finance organizations	4	4
11	To Government organizations	6	5
	Others	1	1

<u>In Finance and Beal Estate Sector</u> To

1	1
4	3
5	5
6	6
2	2
3	4
1	7
	1 4 5 6 2 3 7

In Private and Government Service Sector From To

.

·. · ·

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

Table 2-(3)-3A	Main o	urpose of Domestic	calls	
	First	Second	Third	
l. Agr.+ Min.	5	2,6,9	1,7,88	
2. Kanufacturing	2	5	2	
3. Utilities	4,88	δ	4	
4. Construction	2,4	88	. 88	
5. Pholesale	2,5,7	5	2	
6. Retail	5	2,5	2,9	
7. Rest.+ Hotel	2	5,7,11	4,6	
8. Transport	10	3,4,6,88	4,88	
9. Finan.+ Beal est.	2	5	4	
10.Private Ser.+ Gov.	5	5	7	

	Kain purpose First	of Internation Second	al calls Third
1. Agr.+ Kin.	2	2,5,7	1,2
2. Kanufacturing	2	5	2,5
3. Utilities	1,5	1	Į į
4. Construction	2	2,88	2,88
t Mholecala	۲,	65	. 2

5. Tholesale	5	4,5	2
6. Retail	5,88	5	5
7, Rest. + Hotel	2,3	2,5,7	4,5,7
8. Transport	2	2,4,6,7	. 10
9. Finan.+ Real est.	2	1,2,6,7	- 3
l0.Private Ser.+ Gov.	4,6	4,6,7	

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Table 2-(3)-3B	Regarding the five main put	rposes of Domestic calls
Purpose	Times/day	Location
02	35	Bangkok,Chiang Wai,Songkhla
05	25	Bangkok,Udon Thani,Ayutthaya
04	48	Bangkok,Phathum Thani,Chon Buri,Rayong
	**	

22

-10

Regarding the five main purposes of International calls

Purpose	Times/day	Location
02	13	Japan, llong Kong, U.S.A.
05	n - 10-	Japan, Singapore, Europe
04	10	Hong Rong,Japan,Singapore
07	11	Hong Kong,Germany,Japan
05	10	Singapore, Hong Rong, U.S.A., U.K., Japan

Bangkok,Nakorn Ratchasriga,Chiang Hai

Bangkok,SongKhla

Table 2-(4) Stage of Usage of Leased Circuit Services

07

06

Kethod that Companies Apply

	a point to a point	a point to multi point
1. Agr.+ Win.	100.00 %	00.00 %
2. Kanufacturing		20.00 X
3. Utilities	100.00 \$	00.00 %
4. Construction	NA	NA
5. Tholesale		00.00 %
6. Retail		00.00 %
7. Rest. + Hotel	50.00 %	50.00 %
8. Transport	50.00 %	50.00 %
9. Finan.+ Real est.	34.60 %	66.40 X
10.Private Ser.+ Gov.	60.00 1	40.00 %

Table 2-(4) Stage of Usage of Leased Circuit Services

Portion of Purpose In percentage

Domestic

	Voice grade	Data transmission
1. Agr.+ Min.	20.00 \$	80.00 %
2. Manufacturing	45.80 1	54.20 %
3. Utilities	100.00 %	00.00 \$
4. Construction	NA	NA
5. Sholesale	17.14 \$	82.86 %
6. Retail	25,67 %	73.33 \$
7. Rest.+ Hotel	46.67 1	53.33 %
8. Transport	28.57 %	72.43 %
9. Finan.+ Real est.	12,95 %	87.05 \$
10.Private Ser.+ Gov.	36.67 %	67.33 \$

Table 2-(4) Stage of Usage of Leased Circuit Services

Portion of Purpose In percentage

International

	Voice grade	Data transmission
1. Agr.+ Win.	20.00 %	80.00 %
2. Kanufacturing	45,80 %	54.27 %
3. Utilities	NONE	NONE
4. Construction	NA	NA
5. Tholesale	0.00 %	100.00 \$
6. Retail	26.70 1	73.00 %
7. Rest.+ Hotel	46.67 %	53.33 %
8. Transport	28.57 %	71.43 %
9. Finan.+ Real est.	24.73 1	75.27 \$
10.Private Ser.+ Gov.	36.67 %	63.33 I

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

In <u>Manufacturing</u> Sector To

From

Froa

(a) To your headquarters, other offices, fires	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
([] To Government organizations	6	6
(g) Others	7	7

<u>In Utilities Sector</u>

To

,

(a) To your headquarters, other offices, firms	1	1
(b) For procurement of parts, materials, goods, etc.	_ *	· -
(c) To wholesales stores	-	-
(d) To retail stores that sale your products	-	-
(e) To banks, finance organizations	-	-
(f) To Government organizations	-	
(g) Others	-	-

* Use only one purpose

In Construct	on Sector	
	To	From
(a) To your headquarters, other offices, fires	. 1	- 1
(b) For procurement of parts, materials, goods, etc.	4	4
(c) To wholesales stores	б	6
(d) To retail stores that sale your products	1	7
(e) To banks, finance organizations	2	3
[1] To Government organizations	3	2
(g) Others	5	5

In Pholesale Trade Sector

	To	Froa
(a) To your headquarters, other offices, firms	1	۱
(b) For procurement of parts, materials, goods, etc.	2	3
(c) To wholesales stores	3	2
(d) To retail stores that sale your products	4	5
(e) To banks, finance organizations	5	4
(f) To Government organizations	6	6
(g) Others	7	7

 (a) To your headquarters,other offices,firms (b) For procurement of parts,materials,goods,etc. (c) To wholesales stores (d) To retail stores that sale your products (e) To banks,finance organizations (f) To Government organizations (g) Others 	<u>In Retail Trade Sector</u> To From 1 1 3 4 4 5 5 3 2 2 6 6 7 7
<u>In</u> <u>Restur</u>	ant and <u>Hotel Sector</u> To From
 (a) To your headquarters, other offices, firms (b) For procurement of parts, materials, goods, etc. (c) To wholesales stores (d) To retail stores that sale your products (e) To banks, finance organizations (f) To Government organizations (g) Others 	2 2 3 3 4 4 5 5 1 1 6 6 7 7 7
In Transport and Commun.	ication Sector
In realizerr and original	To from
 (a) To your headquarters, other offices, firms (b) For procurement of parts, materials, goods, etc. (c) To wholesales stores (d) To retail stores that sale your products (e) To banks, finance organizations (f) To Government organizations (g) Others 	$ \begin{array}{ccccccccccccccccccccccccccccccccc$
In Finance	e and Real Estate Sector
 (a) To your headquarters, other offices, firms (b) For procurement of parts, materials, goods, etc. (c) To wholesales stores (d) To retail stores that sale your products (e) To banks, finance organizations (f) To Government organizations (g) Others 	To From 1 1 1 4 5 5 6 6 7 7 7 7

In Private and Government Service Sector

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

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Table 2-(4)-3A	Main purpose of Domestic calls		
	First	Second	Third
1. Agr.+ Min.	NA	NA	NA
2. Manufacturing	7	2,11,88	5,10
3. Utilities	NA	NA	NA
4. Construction	NA	NA	NA
5. Tholesale	6		-
6. Retail	NA	NA	NA
7. Rest.+ Hotel	5,6	NA	NA
8. Transport	88	88	NA
9. Finan.+ Real est.	. 1	4,1,2	2
10.Private Ser.+ Gov.	6,88	6	-

	Kain purp	ose of Internation	nal calls
	First	Second	Third
1. Agr.+ Min.	: NA ·	NA	NA
2. Kanufacturing	2,4,5	2	2
3. Utilities	NA	NA	NA
4. Construction	NA .	NA	NA
5. Tholesale	5,7	7	88
6. Relail	NA	NA	NA
7. Rest.+ Hotel	NA	NA	NA
8. Transport	10	NA	NA
9. Finan.+ Real est.	1,7	7	4,8
10.Private Ser.+ Gov.	6,7,88	-	-

Table 2-(4)-3B

Regarding the five gain purposes of Domestic calls

Purpose	Times/day	Location
02	118	Bangkok, Songkhla
01	2500	Bangkok, Chon Buri
06	310	Bangkok
04	6	Songkhla, Chiang Kai, Bangkok
. 07	6	Bangkok, Rayong, Songkhla

Regarding the five main purposes of International calls

Location
U.S.A., Singapore, Hong Rong
-Japan, Germany, Europe
U.K.,Singapore,Japan
U.K., U.S.A., Hong Kong
Japan

3. Usage of Telecommunication Services as Part of the Strategy of Company's Management

Table 3-(1)-(2)-(3) Average Expenditure on Correspondence, Wall and Courier Services (Ref. question 3 (1), (2) and (3))

	Expenditure for correspondence (baht per month)	Portion correspondence expenditure to total expenditure	Portion telecommunication expenditure to total expenditure
1. Agr.+ Min.	23,000.00	2.50 %	1.50 %
2. Manufacturing	68,660.89	12.63 %	9.11 %
3 Utilities	600,000.00	NA	NA
4. Construction	40,530.00	10.93 %	10.50 %
5. Tholesale	157, 316, 11	13.01 %	8.00 %
6. Retail	24,437.50	13.21 5	8,90 %
7. Rest.+ Hotel	77,000.00	NA	NA
8. Transport + Teleco		19.66 %	16.50 \$
9. Finan,+ Real est.	217,495.00	13.00 🗴	10.08 %
10.Private Ser.+ Gov.	a sha a sha	7.98 %	3.30 %

Table 3-[4] Effectiveness of the telecommunication Service in Enchancing Business Performance

	Development of new business chances	Enhancement competition	Increases of sales	Cost saving	Other
1. Agr.+ Hin.	25.00 %	26.67 1	21.67 %	11.25 %	0.00 %
2. Manufacturing	25,39 %	34.22 %	33,82 1	26.78 %	5.24 %
3. Utilities	NA	NA	na	NA	NA
4. Construction	29.43 %	35.00 %	26.80 %	12.80 %	4.30 %
5, Tholesale	28.44 1	57.30 %	54.00 1	39.00 %	5.00 %
6. Retail	28.44 %	29.29 1	27.00 %	11.43 %	5.86 I
7. Rest.+ Hotel	10,00 %	37.14 %	34.29 %	22.14 %	3.57 1
8. Transport	32,20 1	49.50 %	49,40 %	33.30 I	0.00 %
9. Finan.+ Real est.	38.70 %	49.40 %	36.10 %	31.55 %	6.43 %
10.Private Ser.+ Gorv.		48.00 %	36.00 %	31.50 %	35.40 %

Table 4-(1) Frequency that Companies Contract Employee Working Outside

	(times/day)
	6.75
	24.34
	2.00
	14.50
-	15.00
	15.38
	18.33
i i i	24.45
	30.25
	25.88

Annex 11 - 61

Table 4-(2) Means and Ways of Contact Between Companies and Employee Working Outside As Shown by Ranking of Frequencies

	By public telephones	Paging services	Call company's answering machine	Cellular mobile telephone	Others
1. Agr.+ Min.	2	1	4 1	3	
2. Manufacturing	1	2	4	3	5
3. Utilities	-	1	-	- •	1
4. Construction	4	1	2	2	5
5. Wholesale	3	i	2	~	4 ≤ ≤
6. Betail	2	1	4	3	-
7. Rest.+ Hotel	i	2	_	-	3
8. Transport	2	1	5	3	4
9. Finan.+ Real est.	3	1	5	2	4
10.Private Ser.+ Gov.	1	i	5	2	\$
Note: • This way is ha	rdly used				

Table 5-(1) Telecospunication Management

	familiar ≢ith ' Telecom Kanagement'	not familiar with ' Telecom Kanagement'	
1. Agr.+ Min.	28.60 %	71.40 %	
2. Kanufacturing	24.10 \$	75.90 1	
3. Utilities	100.00 %	0.00 %	
4. Construction	28,60 \$	71.40 %	· · · ·
5. Pholesale	18.20 1	81.80 %	
6. Retail	16.67 %	83.33 X	· · ·
7. Rest.+ Hotel	42.86 %	57.14 %	
8. Transport	38.50 %	61.50 %	
9. Finan.+ Real est.	42.60 %	57.40 \$	
10.Private Ser.+ Gorv.	00.00 %	100.00 %	

Table 5-(2) Attitude Whether Companies Need to Have a Telecom. Manager

	Yes		No	
1. Agr.+ Min.	14.3	ĩ	85.7 %	
2. Kanufacturing	32.2		63.8 %	
3. Utilities	0.001		0.0 %	
4. Construction	28.6		71.4 \$	
5. Tholesale	54.5		45.5 1	
6. Retail	16.7	ĩ	83.3 %	
7. Rest.+ Hotel	66.7	3	33.3 %	
8. Transport	53.8	ĩ	46.2 %	
9. Finan.+ Real est.	60.0		40.0 %	
10.Privale Ser.+ Gov.	22.2	ĩ.	77.8 %	

Table 5-(3) Fields that Telecom. Manager Can be Most Effective

• ;

	Selecting hardware	Engineering system efficiency	Winimizing expenditure	Selecting suitable services	Others
1. Agr.+ Nin.	25.0 %	37.5 %	25.0 %	12.5 3	-
2. Manufacturing	5,6 %	38.9 %	22.2 %	31.5 %	1.8 %
3. Utilities	20.0 1	40.0 %	20.0 %	20.0 %	-
4. Construction	10.0 %	25.0 %	25.0 %	40.0 %	-
5. Tholesale	5,6 %	18.9 %	33.3 %	16.7 %	5.5 %
6. Retail	33.3 1	16.7 %	16.7 %	16.7 %	16.7 %
7. Rest. + Hotel	18.2 %	36.4 %	9.0 %	18.2 %	-
8. Transport	0 %	54.5 %	27.3 %	18.2 %	-
9. Finan.+ Real est.	12.5 1	41.3.3	20.0 %	23.7 %	2.5 %
10.Private Ser.+ Gov.	6.7 %	40.0 %	33.0 1	20.0 %	20

Table 5-(4) Proportion that There is a Telecom. Wanager in Companies

	Yes	No
and the second		
1. Agr.+ Kin.	0.0 %	100.0 %
2. Manufacturing	5.2 %	93.1 %
3. Utilities	100.0 %	0.0 1
4. Construction	14.3 %	85.7 %
5. Pholesale	16.3 X	83.3 %
6. Retail	0.0 %	100.0 %
7. Rest.+ Hotel	25.0 %	75.0 X
8. Transport	23.1 %	76.9 \$
9. Finan.+ Real est.	14.5 %	85.5 %
10.Private Ser.+ Gov.	10.0 %	90.0 %

Table 6-(1),(2)) Distribution of Work Accomplished and Rank of Objectives As Functioned by Computer

	Portion of work			ectives	•
	carried out by computer	Typing	Calculating	Data processing	non - voice communication
1. Agr.+ Win. 2. Manufacturing 3. Utilities 4. Construction 5. Wholesale 6. Retail 7. Rest.+ Hotel	52.0 % 46.7 % NA % 54.1 % 54.7 % 47.5 % 68.3 %	2 3 2 1 1 2	1 1 3 2 2 1 2	3 2 1 3 3 3 3	4 4 4 4 4 4 4 4 4
8. Transport 9. Finan,+ Real est. 10.Private Ser.+ Gov	61.5 X 70.6 X	2 I I	l 2 3	3 3 2	4 4 4

	Satisfaction	Koderate Satisfaction	Disatisfaction	
L. Agr.+ Xin.	0.0 %	57.1 %	42.9 %	
2. Manufacturing	31.7 %	41.7 \$	26 7 %	
3. Utilities	0.0 1	0.0 %	100.0 %	
4. Construction	50.0 %	28.6 1	21.4 %	
5. Wholesale	21.7 %	52.2 %	26.1 %	
6. Retail	25.0 %	50.0 %	25.0 %	
7. Rest.+ Hotel	0.0 %	75.0 %	25.0 %	
8. Transport	0.0 %	75.0 %	25.0 %	
9. Finan.+ Real est.	19.6 \$	42.9 %	37.5 %	
10.Private Ser.+ Gov.	0.0 1	60.0 %	40.0 %	

Table 7-(1) Opinion Concerning Improving of Telecommunication Services

Table 7-{2} Priority of Services that Need Improvement as Seen by Companies which are 'Satisfy'

			CTOR		
	Wanufacturing	Construction	₩holesale	8etail	Finance
1. Telephones can be used at office anytime		l ·	1	8	2
2. Shorten of time between application and	4	6	6	- 2	5
beginning of services	-				•
3. Call party with one dialing attempt	8	3	3	I see	1
4. Kore public telephone	7	8	8	6	8
5. Improvement of sound quality	2	2	2	7	4
6. Data error did not occur frequently	6	4	4 5	1	
7. Non-sorking time reduced to be shorter	5	5	5	3	
8. Down-time has decreased	3	1	7	5	6
9. Others	9	9	9	9	9
the 2 (b) detection of Complete that Head Inc.	coursest as Se	an ha Companies	which are '	Noderate Sa	tisfy' and
Table 7-(3) Priority of Services that Need Imp 'Dissatisfy'	rovement as Se	SE	CTOR		
Table 7-{3} Priority of Services that Need Imp 'Dissatisfy'	rovement as Se Agr.+ Win.	SE	CTOR		tisfy' and on Tholesale
'Dissatisfy'		SE	CTOR		
'Dissatisfy' 1. Not enough telephones in office		SE	CTOR Utilities		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to		SE	CTOR Utilities		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to beginning of services		SE	CTOR Utilities 7 1 6		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to	Agr.+ Win. I 7 2 3	SE Manufacturing 3 I	CTOR Utilities 7 1 6 2		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to beginning of services 3. Call party with many dialing attempt	Agr.+ Min. I 7 2 3	SE Manufacturing 3 I	CTOR Utilities 7 1 6		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to beginning of services 3. Call party with many dialing attempt 4. Not enough public telephone 5. Too much noise and sub-standard sound quality 6. Data errors occur frequently	Agr.+ Min. I 7 2 3	SE Manufacturing 3 I 2 5 4 7	CTOR Utilities 7 1 6 2		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to beginning of services 3. Call party with many dialing attempt 4. Not enough public telephone 5. Too much noise and sub-standard sound quality 6. Data errors occur frequently 7. Non-working time not yet improved	Agr.+ Min. I 7 2 3	SE Manufacturing 3 I 2 5 4 7 6	CTOR Utilities 7 1 6 2		
'Dissatisfy' 1. Not enough telephones in office 2. Long duration from application to beginning of services 3. Call party with many dialing attempt 4. Not enough public telephone 5. Too much noise and sub-standard sound quality 6. Data errors occur frequently	Agr.+ Min. I 7 2 3	SE Manufacturing 3 I 2 5 4 7	CTOR Utilities 7 1 6 2		

Table 7-(3)

· . . .

Priority of Services that Need Improvement as Seen by Companies which are 'Moderate Satisfy' and 'Dissatisfy'

	SECTOR					
na series de la companya de la comp Nota de la companya d	<u>Betail</u>	Rest.+ Hotel	Transport	finance	Private serv.	
1. Not enough telephones in office	4	2	2	1	1	
 Long duration from application to beginning of services 	5	4	7	2	2	
3. Call party with many dialing attempt	1	I	1	3	3	
4. Not enough public telephone	2	6	2	7	7	
5. Too much noise and sub-standard sound quality	7	5	- 8	4	4	
6. Data errors occur frequently	δ	7	6	6	6	
7. Non-working time not yet improved	3	3	4	5	5	
8. Down-time has not yet decreased	8	9	· 5	8	. 8	
9. Others	9	8	9	9	9	

Table 7-(4a) Companies's Opinions with Respect to Local Charge

	expensive	resonable	cheap
1. Agr.+ Min,	12.5 %	87.5 %	0.0 %
2. Wanufacturing	6.8 %	76.3 X	16.9 %
3. Utilities	0.0 1	100.0 %	0.0 %
4. Construction	21.4 %	78,6 %	0.0 %
5. Tholesale	4.8 %	66.6 %	28.6 %
6. Retail	9.1 \$	72.7 %	18.2 5
7. Rest.+ Hotel	0.0 %	42.9 %	57.1 %
8. Transport	6.7 %	73.3 X	20.0 \$
9. Finan.+ Real est.	7.1 \$	76.8 %	16.1 %
10.Private Ser.+ Gov.	8.8 %	75.4 %	15.8 1

Table 7-(4b) Companies's Opinions with Respect to Long Distance Charge

	expens	ive	resonable	cheap
1. Agr. + Hin.	0.0	1	62.5 %	37.5 %
2. Wanufacturing	0.0	5	54.2 \$	45.8 %
3. Utilities	0.0	5	66.7 %	33.3 %
4. Construction	21.4	1	28.6 1	50.0 1
5. Pholesale	0.0	\$	57.1 %	42.9 X
6. Retail	0.0	5	45.5 \$	54.5 %
7. Rest.+ Hotel	0.0	5	71.4 \$	28.6
8. Transport	0.0	5	53.3 %	46.7 1
9. Finan. + Real est.	1.8	5	56,1 %	42.1 1
10.Private Ser.+ Gorv.	0.0	1	70.0 %	30.0 %

Table 7-(4c) Companies's Opinions with Respect to Wonthly Charge

	expensive	resonable	cheap
 Agr.+ Win. Hanufacturing Utilities Construction Wholesale Retail Rest.+ Hotel Transport Finan.+ Real est. Private Ser.+ Gorv. 	0.0 % 6.8 % 0.0 % 14.3 % 6.3 % 9.1 % 0.0 % 7.1 % 10.0 %	75.0 % 76.3 % 66.7 % 64.3 % 62.5 % 54.5 % 57.1 % 73.3 % 58.9 % 80.0 %	25.0 X 16.9 X 33.3 X 21.4 X 31.3 X 36.4 X 42.9 X 26.7 X 33.9 X 10.0 X

Table 7-(4d) Companies's Opinions with Respect to Installation Fee

	expensive	resonable	cheap
1. Agr.+ Win.	0.0 %	42.9 %	57.1 \$
2. Wanufacturing	3.4 1	49.2 1	47.5 %
3. Utilities	0.0 %	100.0 %	0.0 %
4. Construction	7.1 %	57.1 %	35.7 \$
5. Tholesale	0.0 3	71.4 %	28.6 %
6. Retail	0.0 1	54 5 %	54.5 %
7. Rest.+ Hotel	0.0 1	14 3 L	85.7 \$
8. Transport	0.0 1	81.2 %	18.2 %
9. Finan.+ Real est.	3.6 1	57.1 %	39.3 %
10.Private Ser.+ Gorv.	0.0 %	60.0 %	40.0 %

Table 7-(4e) Companies's Opinions with Respect to Local Call Area Size

	small	resonable	big	•
1. Agr.+ Win. 2. Manufacturing 3. Utilities 4. Construction 5. Tholesale 6. Retail	37.5 % 44.2 % 50.0 % 57.1 % 31.5 % 34.6 %	62.5 % 53.8 % 50.0 % 42.9 % 63.0 %	0.0 % 2.0 % 0.0 % 0.0 % 0.0 %	
7. Rest.+ Hotel 8. Transport 9. Finan.+ Real est. 10.Private Ser.+ Gorv.	33.3 X 30.8 X 55.8 X 20.0 X	50.0 % 79.2 % 42.3 % 70.0 %	16.7 % 0.0 % 1.9 % 10.0 %	

Table 7-(4f) Companies's Opinions with Respect to Billing

:	accurate	often incorrect
1. Agr.+ Nin.	57.1 %	42.9 \$
2. Manufacturing	68.5 K	31.5 %
3. Utilities	100.0 %	0.0 %
4. Construction	71.4 %	28.6 %
5. Tholesale	62.5 %	37.5 %
6. Betail	54.5 %	45.5 🛪
7. Rest.+ Hotel	16.7 %	83.3 %
8. Transport	53.3 X	46.7 %
9. Finan.+ Real est.	65.2 %	34.8 %
10.Private Ser.+ Gorv.	75.0 1	25.0 L

Table 7-(4g) Companies's Opinions with Respect to Place for Payment

· •	convenience	inconvenince
1. Agr.+ Min.	87.5 \$	12.5 %
2. Manufacturing	84.5 %	15.5 %
	100.0 \$	0.0 %
4. Construction	84.6 1	15.4 \$
5. Wholesale	80.0 %	20.0 \$
6. Ketail	75.0 %	25.0 \$
7. Rest.+ Hotel	81.8 1	18.2 5
8. Transport	80.0 %	20.0 1
9. Finan.+ Real est.	80.3 %	19.7 %
10.Private Ser.+ Gorv.	100.0 %	0.0 %

Table 7-(4h) Companies's Opinions with Respect to Price of Telephone Sets

	· · ·	expensive	resonable	cheap
1. Agr.+ Min.		0.0 1	62.5 %	37.5 %
2. Manufacturing	1.00	5.4 %	58.9 %	35.7 %
3. Utilities		33.3 %	33.3 🐒	33.3 %
4. Construction	$(-1)^{-1} = (-1)$	14.2 1	42.9 %	42.9 %
5. Tholesale		5.0 %	80.0 1	15.0 %
6. Retail		8.3 %	50.0 %	37.5 L
7. Rest.+ Hotel		12.5 %	50.0 %	37.5 %
8. Transport		8.3 1	58.3 1	33.3 %
9. Finan.+ Real est.	$\sim 10^{-1}$		60.0 1	36.4 %
	•	33.3 %	33.3 X	33.3 X

	expensive	resonable	cheap
 Agr.+ Win. Wanufacturing Utilities Construction Wholesale Retail Rest.+ Hotel Transport Finan.+ Real est. Private Ser.+ Gorv. 	0.0 % 5.3 % 0.0 % 0.0 % 16.7 % 0.0 % 3.6 % 0.0 %	57.1 % 46.4 % 65.7 % 42.9 % 80.0 % 33.3 % 14.3 % 57.1 % 45.5 % 44.4 %	42.9 % 48.3 % 33.3 % 57.1 % 20.0 % 50.0 % 85.7 % 42.9 % 50.9 % 55.6 %

Table 7-(4j) Companies's Opinions with Respect to Price of Facsimile Sets

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Table 7-(4k) Companies's Opinions with Respect to Price of P(A)BK

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	expensive	resonable	cheap	
1. Agr.+ Kin,	0.0 %	40.0 5	60.0 %	÷.,
2. Kanufacturing	8.9 %	33.3 %	57.8 %	and the second second
3. Utilities	0.0 %	66.7 %	33.3 X	
4. Construction	0.0 %	36.4 %	63.6 %	
5. Tholesale	5.9 X	52.9 %	41.2 %	ter an
6, Retail	0.0 %	0.0 %	100.0 %	
7. Rest.+ Hotel	0.0 %	0.0 %	100.0 %	1
8. Transport	0.0 %	58,3 %	41.7 %	1
9. Finan. + Real est.	7.9 %	29.4 1	37.3 %	
10, Private Ser. + Gory.	0.0 %	33.3 %	66.6 %	

Table 7-(5) Companies's Opinion with Respect to TOT's Services

	Satisfaction	Noderate Satisfaction	Disatisfaction
1. Aşr.+ Nin.	12.5 %	37.5 % 63.2 %	50.0 % 15.8 %
2. Kanufacturing J. Utilities	21.0 X 33.3 X	0.0 %	66.7 %
4. Construction 5. Wholesale	7.7 % 18.2 %	92.3 % 63.6 %	18.2 \$
6. Retail 7. Rest.+ Hotel	0.0 % 14.2 %	42.9 %	16.7 % 42.9 %
8. Transport 9. Finan.+ Real est.	7.1 \$ 19.6 \$	78.6 % 48.2 %	14.3 % 32.2 %
10.Private Sec.+ Gorv.	10.0 %	60.0 %	30.0 % The second s

Table 7-(6) Ranking of Services Improvement by Companies that Express 'Satisfaction' with Services

. .

		SECTOR			
	Agr.+ Min.	Wanufacturing	Utilities	Construction	Wholesale
1. Rind and polite reception	7	1	i	3	1
2. Applications are acceepted at one visit	6	4	2	1	6
3. Quick response for repair work	· .[2	3	2	2
4. Complaints and questions are easily received	4	5	4	4 .	4
5. Positive attitude about information disclosure	2	б	-	\$	3
6. Providing a consulting service	3	3	-	7	5
7. Providing one stop shopping	5	7	-	6	7
8. Others	-	· 8	-	8	8

Table 7-(6) Banking of Services Improvement by Companies that Express 'Satisfaction' with Services

	SECTOR				
	Rest.+ Hotel	Transport	Finance	Private serv.	
1. Kind and polite reception	5	6	t	- 1	
2. Applications are acceepted at one visit	4	1	5	4	
3. Quick response for repair work	3	2	2	2	
4. Complaints and questions are easily received	-	5	4	3	
5. Positive attitude about information disclosur		3	6	. –	
6. Providing a consulting service	1	7	3		
7. Providing one stop shopping	. –	4	1	-	
8. Others	-	-	8	~	

Table 7-{7} Ranking of Services Improvement Needed by Companies that Express 'Moderate Satisfaction' and 'Dissatisfaction' with Services

		- S	ECTOR		
	Agr.+ Min.	Kanufacturing	Otilities	Construction	Tholesale
1. Unkind and impolite reception	1	3	4	4	2
2. Several request required in installation	4	1	2	3	1
3. Spontaneous response for repair work	6	2	1	t	2
4. Complaints and questions are not handled effic	iency 3	3	3	2	7
5. Negative attitude about information disclosure		6	6	5	4
6. No consulting of telecom. service	5	5	5	δ	6
7. Not providing one stop telecom. shopping	7	7	7	7	5
8. Others	-	8	8	8	8

Table 7-{7} Banking of Services Improvement Needed by Companies that Express 'Noderate Satisfaction' and 'Dissatisfaction' with Services

	SECTOR			
	Retail _	Best.+ Hotel	Transport	finance Private serv.
1. Unkind and impolite reception	4	3 .	2	4 3
2. Several request required in installation	2	4	3	3 2
3. Spontaneous response for repair work	3	1	1	
4. Complaints and questions are not handled efficiency	1	- 5	4	2 5
5. Negative attitude about information disclosure	6	7	5	6 6
6. Ho consulting of telecom. service	4	2	6	5 4
7. Not providing one stop telecom. shopping	7	б	1	1 1
8. Others	8	8 -	8	8 8

Table 8-(1) Companies's Demand for Telecom. Services: 'Discount Service 1' (Ref. question no. 8-1.)

	No interest	Interest.	
1. Agr.+ Min.	50.0 %	50.0 %	
2. Wanufacturing	72.4 %	27.6 1	· .
3. Utilities	100.0 %	0.0 %	
4. Construction	66.7 %	33.3 %	
5. Wholesale	70.8 %	29.2 \$	
6. Retail	72.7 %	27.3 %	
7. Rést.+ Hotel	71.4 \$	28.6 %	
8. Transport	64.3 %	35.7 %	· · ·
9. Finan + Real est.	76.4 %	23.6 1	
10.Private Ser.+ Gov.	73.3 1	26.7 1	

Note: Discount service 1: Charging only for services selected by the customer (combination with monthly charge and call charge on the customer's need basis)

Table 8-(2) Companies's Demand for Telecom. Services: * Discount Service 2* (Ref. question no. 8-2.)

	No interest	Interest
1. Agr.+ Kin.	37.5 %	62.5 %
2. Manufacturing	40.7 1	59.3 X
3. Utilities	66.7 1	33.3 1
4. Construction	66.7 1	33.3 1
5. Wholesale	66.7 %	31.3 X
6 Retail	18.2 1	81.2 1
7. Rest.+ Hotel	57.1 \$	42.9 X
8. Transport	64.3 X	35.7 %
9. Finan + Real est.	49.1 %	50.9.%
10.Privale Ser.+ Gov.	80.0 %	20.0 %

Note: 'Discount Service 2': discount rate is raised according to call charge for large users

Table 8-{3}	Companies's Demand for Telecom. Services: 'Discount Service 3'	
•	(Ref. question no. 8-3.)	

	No interest	Interest
1. Agr.+ Win.	75.0 \$	25.0 %
2. Kanufacturing	62.7 %	37.3 %
3. Utilities	66.7 %	33.3 %
4. Construction	91.7 %	8.3 \$
5. Tholesale	66.7 %	33.3 X
5. Retail	54.5 \$	45.5 %
7. Rest.+ Hotel	42.9 \$	57.1 %
B. Transport	64.3 %	35.7 %
9. Finan, + Real est.	63.6 \$	36.4 %
10.Private Ser.+ Gov.	46.7 %	53.3 %

Note: 'Discount Service 3' is different tariff system either by day or night or according to specified area.

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Table 8-[4] Companies's Demand for Telecom. Services: 'Discount Service 4' (Ref. question no. 8-4.)

	No interest	Interest
1. Agr.+ Win.	62.5 1	37.5 %
2. Manufacturing	55.9 X	44.1 %
3. Utilities	66.7 %	33 3 I
4. Construction	66.7 L	33,3 %
5. Wholesale	62.5 %	37.5 %
6. Retail	54.5 %	45.5 5
7. Rest.+ Kotel	71.4 1	28.6 %
8. Transport	57.1 %	42.9 %
9. Finan.+ Real est.	63.6 %	36.4 %
10.grivate Ser.+ Gov.	53.3 %	46.7 %

Note: 'Discount Service 4' is lover rates for frequently called numbers

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Table 8-(5) Companies's Demand for Telecom. Services: * Discount Service 5* (Ref. question no. 8-5.)

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	No interest	Interest
1. Agr.+ Hin.	87.5 %	12.5 %
2. Manufacturing	76.3 %	23.7 %
3. Utilities	100.0 %	0.0 %
4. Construction	58.3 %	41.7 \$
5. Pholesale	79.2 %	20.8 %
6. Retail	63.6 %	36.4 1
7. Rest.+ Hotel	71.4 %	28.6 %
8. Transport	57.1 %	42.9 %
9. Finan.+ Beal est.	74.5 %	25.5 %
10.Private Ser.+ Gov.	86.7 %	13.3 %

Note: 'Discount Services 5' is call any place in Thailand with fixed charge during specified time

Table 8-(6) Companies's Demand for Telecom. Services: 'Discount Service 6' (Ref. question no. 8-6.)

	No interest	Interest
1. Agr.+ Win.	87.5 %	12.5 %
2. Manufacturing	94.9 %	5.1 %
3. Utilities	66.7 %	33.3 %
4. Construction	100.0 X	0.0 %
5. Tholesale	87.5 %	12.5 %
6. Retail	90.9 %	911
7, Rest.+ Hotel	85.7 %	14.3 1
8. Transport	78.6 %	21.4 %
9. Finan.+ Real est.	67.3 X	32.7 1
10.Private Ser.+ Gov.	86.7 %	13.3 1

Note: 'Discount Services 6' is back up line being offered at lower charge in case of data transmission services through leased circuits.

Table 8-(7). Companies's Opinions on Introduction of Free Dial Service (Called Party Payment)

	No interest	Interest
l. Agc.+ Min.	85.7 1	14.3 %
2. Manufacturing	79.7 %	20.3 1
3. Utilities	66.7 X	33.3 %
4. Construction	83,3 %	16.7 %
5. Wholesale	87.5 1	12.5 1
6. Retail	63.6 %	36.4 %
7. Rest. + Hotel	100.0 %	0.0 %
8. Transport	78.5 %	21.4 1
9, Finan.+ Real est.	85.5 %	14.5 1
10. Private Ser. + Gov.	73.3 1	26.7 %

Table 8-(8)	Companies's	Opinions	งก	Facsimile	Kessage	Store	pue	Forward Serv	ice
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	No interest	Interest
1. Agr.+ Mín.	62.5 %	37.5 %
2. Manufacturing	81.4 %	18.6 %
3. Utilities	100.0 %	0.0 %
4. Construction	83.3 %	16.7 %
5. Wholesale	75.0 %	25.0 X
6. Retail	72.7 %	27.3 1
7. Rest.+ Hotel	71.4 %	28.6 %
8. Transport	57.1 %	42.9 X
9. Finan.+ Real est.	65.5 %	34.5 %
10.Private Ser.+ Gov.	66.7 %	33.3 %

Table 8-(9) Companies's Opinions on 'Virtual Network Services'

	No interest	Interest
1. Agr.+ Min.	62.5 %	37.5 %
2. Manufacturing	78.0 %	22.0
3. Utilities	66.7 \$	33.3 1
4. Construction	75.0 %	25.0 %
5. Wholesale	83.3 %	16.7 %
6. Retail	72.7 \$	27.3 1
7. Rest.+ Hotel	71.9 %	28.4 %
8. Transport	92.9 %	7.1 %
9. Finan.+ Real est.	65.5 %	34.5 %
10.Private Ser.+ Gov.	93.3 %	6.7 %

Note: Ordinary telephone network can act similarly to leased circuit

Table 8-(10) Companies's Opinions on Introduction of Credit Card Call

	No interest	Interest
1. Agr.+ Nin.	50.0 %	50.0 X
2. Wanutacturing	69.5 %	30.5 %
3. Utilities	100.0 1	0,0 %
4. Construction	50.0 %	50.0 %
5. Tholesale	54.2 %	45.8 1
6. Retail	54.5 %	45.5 X
7. Rest.+ Hotel	71.4 \$	28.6 X
8. Transport	57.1 %	42.9 1
9. Finan.+ Real est.	67.3 %	32.7 %
10.Private Ser.+ Gov.	80.0 1	20.0 %

Table 8-(11) Companies's Opinions on 'Simple Resale'

<i>.</i>	No interest	Interest	·
t. Agr.+ Win.	12.5 X	87.5 %	
2. Wanufacturing	61.0 X	39.0 %	
3. Utilities	66.7 X	33.3 %	
 Construction Wholesale Retail 	75.0 % 54.2 % 54.5 %	25.0 % 45.8 % 45.5 %	
7. Rest.+ Hotel	57.1 %	42.9 %	
8. Transport	42.9 %	57.1 %	
9. Finan.+ Real est.	32.7 %	67.3 %	
10.Private Ser.+ Gov.	80.0 %	20.0 %	

Note: 'Simple Resale' is linking of telephone lines and leased circuits between head and branch office with lower cost

Table 8-(12) Companies's Opinions on 'Detail Charging List Sevices'

	No interest	Interest	
l. Agr.+ Xin.	37.5 %	62.5 %	
2. Manufacturing	71.2 \$	28.8 1	
3. Utilities	100.0 %	0.0 %	
4. Construction	66.7 1	33.3 %	
5. Tholesale	70.8 %	29.2 %	
6. Retail	72.7 %	27.3 \$	
7. Best.+ Hotel	57.1 %	42.9 5	
8. Transport	85.7 L	14.3 %	
9. Finan.+ Real est.	67.3 %	32.7 \$	
10.Private Ser.+ Gov.	80.0 %	20.0 %	

Note: receiving a detailed list of one's own phone calls, both local and logn distance calls, special service calls, etc.

Table 8-{13} Companies's Opinions on Need of 'Consulting Services'

		1	
	No interest	Interest	
l, Agr.+ Min.	50.0 %	50.0 %	i se se
2. Manufacturing	76.3 1	23.7 %	
3. Utilities	160.0 X	0.0 %	
4. Construction	41.7 %	58.3 %	
5. Tholesale	70.8 1	29.2 1	
δ. Retail	54.5 %	45.5 %	
7. Rest.+ Hotel	42.9 %	57.1 % C	get de la data est
8. Transport	64.3 %	35.7 %	
9. Finan.+ Real est.	58.2 %	41.8 1	and the second second
10.Private Ser.+ Gov.	66.7 %	33.3 %	
			the second se

Note: Consulting services through detailed management reports of call charges for strategic management.

Table 8-(14) Companies's Opinions on 'Voice Wall Services'

	No interest	Interest
1. Agr.+ Min.	62.5 %	37.5 %
2. Kanufacturing	93.2 \$	6.8 %
3. Utilities	100.0 %	0.0 %
4. Construction	91.7 \$	8.3 %
5. Tholesale	91.7 1	8.3 %
6. Retail	90.9 %	9.1 %
7. Rest.+ Hotel	57.1 \$	42.9 %
8. Transport	71.4 %	28.6 %
9. Finan.+ Real est.	70.9 1	29.1 1
10.Private Ser.+ Gov.	73.3 %	26.7 1

Note: message is stored into a switching system at a telephone office and can be accessed by registerd, secretly allocated numbers anytime from any place.

Table 8-(15) Companies's Opinions on 'One Stop Shopping Services'

: ·	No interest	Interest	
	77 A #	25.0 %	
1. Agr.+ Min.	75.0 %		
2. Kanufacturing	78.0 %	22.0 %	
3. Utilities	100.0 %	0.0 %	
4. Construction	75.0 X	25.0 1	
5. Wholesale	83.3 %	16.7 %	
6. Retail	72.7 1	27.3 %	
7. Rest.+ Hotel	71.4 %	28.6 %	
8. Transport	89.1 %	10.9 %	
9. Finan.+ Real est.	86.7 1	13.3 %	
10.Private Ser.+ Gov.	100.0 %	0.0 %	

Table 8-(16) Companies's Opinions on 'Television Conference Service'

	No interest	Interest	
1. Agr.+ Min.	62.5 \$	37.5 %	
2. Manufacturing	88.1 %	11.9 %	
3. Utilities	100.0 %	0.0 1	
4. Construction	83.3 X	16.7 %	
5. Tholesale	83.3 X	16.7 %	
6. Retail	72.7 \$	27.3 %	
7. Rest.+ Hotel	71.4 %	28.6 %	
8. Transport	85.7 %	14.3 % :	
9. Finan.+ Real est.	80.0 %	20.0 %	
10.Private Ser.+ Gov.	80.0 1	20.0 1	

Table 8-(17) Companies's opinions on ' Telephone Conference Service*

75.0 %	25.0 %
	10.2 %
	33.3 %
	25.0 %
	25.0 \$
	27.3 1
	28.6 %
	28.6 1
	21.8 1
73.3 %	26.7 %
	89.8 % 66.7 % 75.0 % 75.0 % 72.7 % 71.4 % 71.4 % 78.2 %

Table 8-(18) Companies's Opinions on Need of 'High Speed (more than 2 Wb/s) Leased Circuit'

	No interest	Interest	
 Agr.+ Kin. Manufacturing Utilities Construction Cholesale Betail Rest.+ Kotel 	75.0 X 89.8 X 33.3 X 100.0 X 79.2 X 90.9 X 71.4 X	25.0 X 10.2 X 66.7 X 0.0 X 20.8 X 9.1 X 28.6 X 7.1 X	
8. Transport 9. Finan.+ Real est. 10.Private Ser.+ Gov.	92.9 % 80.0 % 93.3 %	20.0 %	

Table 8-(19) Companies's Opinions on Need for Information Providing Services Through Telephone Call and Facimile

	No interest	Interest
I. Agr.+ Kin.	50.0 %	50.0 1
2. Manufacturing	72.9 \$	27.1 1
3. Otilities	33.3 \$	66.7 \$
4. Construction	50.0 1	50.0 X
5. Tholesale	87.5 \$	12.5 5
6. Retail	66.6 %	36.4 %
7. Rest.+ Hotel	28.6 1	71.4 \$
8. Transport	85.7 \$	14.3 %
9. Finan, + Real est.	67.3 1	32.7 1
10.Private Ser.+ Gov.	93.J X	6.7 \$

Table 8-(20)	Companies's Opinions on Need for	Business Agency to
• •	Collect Telephone Charge	

	No interest	Interest	
1. Agr.+ Min.	0.0 %	100.0 1	
2. Kanufacturing	89.8 %	. 10.2 %	
J. Utilities	100.0 %	0.0 1	
4. Construction	100.0 %	0.0 \$	
5. Tholesale	94.1 %	5.9 %	
6. Retail	90.9 1	9.1 \$	
7. Rest.+ Kotel	100.0 %	0.0 %	
8. Transport	100.0 %	0.0 %	
9. Finan.+ Real est.	88.1 %	11.1 \$	
10.Private Ser.+ Gov.	93.3 %	6.7 %	

Table 9-(1)	Companies' opinions on	'ISDN Diagram-1'
· .	No Interest	Interest
1. Agr.+ Win.	0.0 %	100.0 %
2. Kanufacturing	41.8 %	58.2 %
3, Utilities	0.0 %	100.0 %
4. Construction	46.2 %	53.8 %
5. Cholesale	52.4 1	47.6 %
6. Betail	50.0 1	50.0 %
7. Rest.+ Hotel	50.0 %	50.0 %
8. Transport	41.7 1	41.7 %
9. Finan.+ Real est.	54.5 %	45.4 1
10.Private Ser.+ Gov.	33.3 X	66.7 %
Tota	44.2 %	55.8 %

Table 9-(2) Average Number of lines Express by Companies interest Diagram-1

	and see the set	e e	Year	
	1992-1996	5	1997-2001	2002-2006
1. Agr.+ Kin.	2.33		0.0	0.0
2. Kanufacturing	5.80		19.0	51.0
3. Utilities	2.00		0.0	0.0
4. Construction	1.50	1.1	. 3.0	5.0
5. Tholesale	0.00		0.0	5.0
6. Retail	10.50		0.0	0.0
			0.0	0.0
			50.0	0.0
				102.5
				0.0
Total	6.5		29.67	52.83
7. Rest.+ Hotel 8. Transport 9. Finan.+ Real est. 10.Private Ser.+ Gov. Total			50.0 75.0 2.0	0.0 102.5 0.0

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Average	Number of lines	Express by Company Year	interest Diagram-2	• The second se
	after 2006	unknown		
L. Agr.+ Win.	0.0	0.0	•	
2. Manufacturing	101.0	NA	1	
3. Utilities	0.0	0.0		
4: Construction	0.0	5.0		
5. Wholesale	5.0	NA -		
6. Retail	0.0	MA	· .	
7. Rest.+ Hotel	0.0	` NA		$\frac{1}{2}$
8. Transport	0.0	NA		
9. Finan.+ Real est.	0.0	19.0	,	
10.Private Ser.+ Gov		1.0		
Total	69.0	.12.6		

			ender der Bestelle	·
Table 11-(1)	Companies opinion on No Interest	'ISDN Diagram-3' Interest	i de la des	
1. Agr.+ Min.	0.0 1	100.0 %		
2. Kanufacturing	50,0 %	50.0 X		
3. Utilities	0.0 %	100.0 %		
4. Construction	46.2 %	53.8 %		
5. Tholesale	50.0 X	50.0 %	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
6. Retail	45.5 %	54.5 %		
7. 8est.+ Hotel	100.0 %	0.0 %		
8. Transport	33.3 %	66.7 %		
9. Finan.+ Real est.	47.7 %	52.3 %		
10.Private Ser.+ Gov.	63.2 %	36.8 1		
Tot	al 48.1 I	51.9 %		

Table 11-(2) Average Number of lines Express by Companies interest Diagram-3

.

	1992-1996	Year 1997-2001	2002-2006	
l. Agr.+ Min.	2.5	0.0	0.0	
2. Wanufacturing	8.5	26.0	51.0	
3. Utilities	0.0	0.0	0.0	
4. Construction	1.5	3.0	5.0	
5. Pholesale	3.8	3.0	5.0	
6. Retail	2,0	0.0	0.0	and and a
7. Rest.+ Hotel	0.0	0.0	0.0	
8. Transport	67.0	26.0	0.0	
9. Finan.+ Real est.	21.2	50.0	5.0	1 - All Departments of the
10.Private Ser.+ Gov.	0.0	0.0	1.0	Carlos de la China de
Total	14.36	16.9	19.7	

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	Average Hunber	of lines Expres Year	ss by Companies inter	est Diagram-3	
	. aft	er 2006	unknown		
	1. Agr.+ Min.	0.0	1.0		
	2. Kanufacturing	101.0	NA		
	3. Utilities	0.0	0.0		
	4. Construction	0.0	NA		
	S. Tholesale	5.0	NA		
	6. Retail	0.0	NA		
	7. Rest.+ Hotel	0.0	NA		
	8. Transport	0.0	NA		
	9. Finan + Real est.	0.0	22.5		
	10.Private Ser.+ Gov.	0.0	NA		
	Total	69	18.67		
	Table 12-(1)	Coapar	ties' opinion5 on Dia	agraa 4	
		No Interest	Interest only G4 FAX	Interest only TV Telephone	Interest Both
	1 I. II.	<i>≱</i> ∩ ∩ ¥	0.0 %	0.0 \$	60.0 %
	1. Agr.+ Min.	40.0 %		14.3 %	23.2 %
	2. Kanufacturing	53.6 %	8.9 1	0.0 %	0.0 %
	3. Utilities	50.0 %	50.0 1	8.3 %	33.4 %
	4. Construction	50.0 1	8.3 %	0.0 %	33.3 %
	5. Tholesale	57.1 1	9.6 1	16.7 \$	33.3 %
	6. Retail	50.0 1	0.01	0.0 %	0.0 %
	7. Rest.+ Hotel	75.0 1	25.0 %	27.3 %	18.1 %
	8. Transport	36.4 %	18.2 %		42.5
	9. Finan + Real est.	45.0 %	7.5 %	5.0 %	27.8 %
	10.Private Ser.+ Gov.	55.5 %	5.8 %	11.1 %	
	Total	50.8 I	8.9 %	30.4 %	27.8 %
	Table [2-(2) Ave	erage Number of .	lines Express by Conf Year	anies interest Diagraa-4	
		1992-1996		2002-2006	
	1. Agr.+ Min.	2.5	0.0	0.0	
	2. Kanufacturing	2.8	41.5	51.5	
	3. Utilities	0.0	0.0	0.0	
	4. Construction	2.0	5.0	10.0	
	S. Pholesale	5.7	5.0	5.0	
1	ó. Retail	0.0	0.0	0.0	
	7. Rest. + Holel	10.0	0.0	0.0	,
	3. Transport	1.1	50.0	. 0.0	
	9. Finan + Real est.	2.0	0.0	5.0	
	10.Private Ser.+ Gov.	1.0	1.0	1.0	

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21.0

17.9

Total 3.7

Average Kuæber (of lines Expr Yea	ess by Companies in Ar	nterrest Diagra n-4
afi	ter 2006	unknown	
1. Agr.+ Kin.	0.0	0.0	
2. Kanufacturing	101.5	NA	
3. Utilities	0.0	0,0	
4. Construction	0.0	1.0	
5. Wholesale	5.0	NA	
6. Retail	0.0	NA	
7. Rest.+ Hotel	0.0	NA	
8. Transport	0.0	NA	
9. Finan + Real est.	0.0	NA	
10.Private Ser.+ Gov.	1.0	NA	
Total	42.0	1	

Table 13-(1)-1 Companies' opinions on 'ISDN Diagram- 5 Monitor camera'

	No Interest	Interest
1. Agr.+ Min.	50.0 %	50.0 X
2. Manufacturing	78.9 1	21.1 %
3. Utilities	100.0 %	0.0 1
4. Construction	75.0 %	25.0 %
5. Tholesale	85.7 %	14.3 %
6. Retail	66.7 \$	33.3 %
7. Rest.+ Hotel	100.0 %	0.0 %
8. Transport	66.7 %	36.3 X
9. Finan.+ Real est.	67.5 \$	32.5 🐒
10.Private Ser:+ Gov.	82.4 %	17.6 %
Total	75.4 %	24.6 %

Table 13-(1)-2 Average Humber of lines Express by Companies interest Diagram-S

Year		
1992-1998	1997-2001	2002-2006
1	0	0
3	3	3
0	0	0
0	0	0
7	4	4
0	0	0
0	0	0
2	10	0
52.25	50	1
0	l	ĩ
28.25	16.75	2.67
	1 3 0 7 0 0 2 52.25 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

Average nuade	r of lines b Yea	apress by Companies	interest Di
aft	er 2006	unknown	
1. Agr.+ Min.	0	0	
2. Kanufacturing	3	NA	
3. Utilities	0	0	
4. Construction	0	0	
5. Tholesale	4	NA	
6, Retail	0	NA	
7. Rest.+ Hotel	0	NA	
8. Transport	0	NA	
9. Finan.+ Real est.	0	NA	
10.Private Ser.+ Gov.	1	NA .	
Total	3.5	NA	

panIES interest Diagram-5 ce ha Car

Table 13-(2)-1

Companies' opinions on 'ISON Diagram- 5 Guide phone'

	No Interest	Interest
1. Agr.+ Win.	50.0 %	50.0 %
2. Kanufacturing	80.8 %	11.2 %
3. Utilities	100:0 %	0.0 %
4. Construction	66.7 %	33.3 %
5. Pholesale	80.9 X	19.1 %
6. Retail	58.3 %	41.7 %
7. Rest.+ Hotel	100.0 1	0.01
8. Transport	63.6 %	26.4 \$
9. Finan.+ Real est.	72.5 %	27.5 \$
10.Private Ser.+ Gov.	70.6 1	29.4 %
Total	74.1.1	25.9 %

Table 13-(2)-2 Average Number of lines Express by Companies interest Diagram-5 Guide phone

and the state of the	Year			
	1992-1996	1997-2001	2002-2006	
I. Agr.+ Min.	1	0	0	
2. Kanufacturing	Q	3	3	
3. Utilities	0	0	0	
4. Construction	0	0	0	
5. Sholesale	5	4	4	
6. Retail	0	0	0	
7. Rest.+ Hotel	0	. 0	0	
8. Transport	1	ł	0	
9. Finan.+ Real est.	6	NA	l	
10.Private Ser.+ Gov.	0	0	0	
Total	1.8	2.1	2.67	

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UASIDŽE UD	Yea		
	after 2006	unknown	÷.,
1. Agr.+ Min.	0	0	
2. Wanufacturing	3	NA	
3. Utilities	0	0	
4. Construction	0	0	
5. Wholesale	4	NA	
6. Retail	0	NA	
7. Rest.+ Hotel	0	NA	
8. Transport	0	NA	
9. Finan + Real est.	0	NA	
10.Private Ser.+ Gov	. 1	NA	
Total	3.5	NA	

Average Number of lines Express by CompanIES Interest Diagram-5

Table 13-(2)-1 Companies' opinions on 'ISDN Diagram- 5 Guide phone'

	No Interest	Interest		
1, Agr.+ Win.	50.0 %	50.0 %		
2. Manufacturing	80.8 1	11.2 %		
3. Utilities	100.0 \$	0.0 %		
4. Construction	66.7 1	33.3 X		
5. Pholesale	80.9 %	19.1 %	·	
6. Retail	58.3 %	41.7 %	· · · ·	
7, Rest.+ Hotel	100.0 %	0.0 %	le de la companya de	
8. Transport	63.6 %	26.4 %	· .	
9. Finan.+ Real est.	72.5 \$	27.5 %	·	
10.Private Ser.+ Gov.	70.6 \$	29.4 1		1. J. J.
Total	74.1.%	25.9 %		

Table 13-(2)-2 Average Number of lines Express by Companies interest Diagram-5 Guide phone

	1992-1996	Year 1997-2001	2002-2006	
1 April Stip	1	0	A	
1. Agr.+ Min.	1	v	. 1	
2. Kanufacturing	Q	3	. 1	
3. Utilities	0	0	• 0	1
4. Construction	Q	Q	0	
5. Tholesale	5	4	4	
6. Retail	0	0	0	
7. Rest.+ Hotel	0	0	0	
8. Transport	· 1	L	0	
9. Finan + Real est	6	NA	1	
10.Private Ser.+ Gov.	0	0	0	
Total	3.8	2.3	2.67	

Average Number of lines Express by Companies interest Diagram-5 Guide phone Year

		eat
	after 2006	unknown
I, Agr.+ Min.	0	0
2. Manufacturing	3	0
3. Otilities	0	0
4. Construction	0	10
5. Wholesale	4	NA
6. Retail	0	NA
7. Rest. + Hotel	0	NA
8. Transport	0	NA
9. Finan.+ Real est.	. 0	50
10.Private Ser.+ Gov		NA
Total	3.5	30

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Table 13-{3}-1 Companies' opinions on 'ISDN Diagram- 5 TV-Conference'

	No Interest	Interest
1. Agr.+ Kin.	50.0 X	50.0 %
2. Manufacturing	76.9 %	23.1 I
3. Utilities	100.0 %	0.0 %
4. Construction	66.7 %	33.3 %
5. Wholesale	76.2 %	23.8 1
6. Retail	58.3 1	41.7 1
7. Rest. + Hotel	75.0 %	25.0 %
8. Transport	45.5 1	54.5 %
9. Finan.+ Real est.	72.5 %	25.5 L
10.Private Ser.+ Gov.	70.6 %	29.3 3
Total	70.7 %	29.3 🐒

Table 13-(3)-2 Average Number of lines Express by Companies interest Diagram-5 TV-Conference Year

	1992-1996	Year 1997-2001	2002-2006	
I. Agr. + Min.	Ĩ	0	0	-
2. Manutacturing	2	4	6.5	
J. Utilities	0	0	0	
4. Construction	0	0	0	
S. Tholesale	6.5	4	4	
8. Reteil	0	0	0	
7. Rest. + Hotel	1 * *	2	4	
8. Transport	Ē	ł	[0]	
9. Finan. + Real est.	6.3	ł	0	,
10.2civate Sec.+ Gov.	1	0	0	• • • •
Total	3.8	3.7	5.33	. · ·

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	Year			
af -	ter 2006	unknown		
L. Agr.+ Kin.	0	0		
2. Manufacturing	3	NA		
3. Utilities	0	0		
4. Construction	0	10		
5. Wholesale	4	NA		
6. Retail	0 .	0		
7. Rest.+ Hotel	4	NA		
8. Transport	0	NÁ		
9. Finan.+ Real est.	0	NA.		
10.Private Ser.+ Gov.	0	NA		
Total	3.67	10		

Average Number of lines Express by Company interest Diagram-5 TV-Conference

Table	13-	[4]	-1
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Companies' opinions on 'ISDN Diagram- 5 G4 FAX'

	No Interest	Interest
1, Agr.+ Xin.	0.0 %	100.0 1
2. Kanufacturing	67.3 %	32.7 %
3. Utilities	100.0 \$	0.0 1
4. Construction	50.0 1	50.0 %
5. Vholesale	65.0 %	35.0 X
6. Retail	58.3 1	41.7.%
7. Rest.+ Hotel	100.0 \$	0.0 %
8. Transport	45.5 %	54.5 %
9. Finan.+ Real est.	72.5 🐒	27.5 %
10.Private Ser.+ Gov.	58.8 %	21.2 %
Total	63.4 %	36.6 %

Table 13-(4)-2 Average Number of lines Express by Companies interest Diagram-5 G4 FAX

		Year	
	1992-1996	1997-2001	2002-2006
•'		-	•
1. Agr.+ Min.	0	0	U
2. Xanufacturing	0	0	0
3. Utilities	0	0	0
4. Construction	D	0	0
5. Tholesale	0	0	0
6. Retail	0	0	0
7. Rest.+ Hotel	0	0	0
8. Transport	0	0	0
9. Finan.+ Real est.	0	0	0
10.Private Ser.+ Gov.	1	1	1
Total	NA	NA	NA

,	1601	1 1 1 L	
	after 2006	unknown	
1. Agr.+ Hin.	0	Û	
2. Manufacturing	0	NA	
3. Utilities	0	0	
4. Construction	. 0	NA	
5. Wholesale	0	Ð	
6. Betail	0	NA	
7. Rest.+ Hotel	0	NA	
8. Transport	0	NA	
9. Finan.+ Real est.	Ð	- 0	
10.Private Ser.+ Gov		NA	
Total	NA	NA	

Average Number of lines Express by Companies interest Diagram-5 G4 FAX Year

Table 13-(5)-1

Companies' opinions on 'ISDN Diagram-5 Computer'

•	No Interest	Interest
1. Agr.+ Min.	0.0 %	100.0 %
2. Wanufacturing	38.5 %	61.5 \$
3. Utilities	0.0 \$	100.0 \$
4. Construction	50.0 %	50.0 %
5. Wholesale	52.4 \$	47.6 %
6. Retail	58.3 1	41.7 %
7. Rest.+ Hotel	75.0 %	25.0 %
8. Transport	33.3 I	66.7 %
9. Finan.+ Real est.	55.0 %	45.0 %
10:Private Ser.+ Gov.	47.1.%	52:9 %
Total	54.0 %	46.0 %

Table 13-(5)-2 Average Number of lines Express by Companies interest Diagram-5 Computer

	1992-1996	Year 1997-2001	2002-2006
1. Agr.+ Nin.	. 0	0	0
2. Manufacturing	0	0	0
3. Utilities	0	0	Q
4. Construction	0.	0 -	0
5. Tholesale	NA	NA	NA
6. Retail	0	0	0
7. Rest.+ Hotel	0	0	0
8. Transport	0	0	0
9. Finan.+ Real est.	0	Û	0
10.Private Ser.+ Gov.	Q	0	,0 ,
Total	0	0	0

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Average num	27 01 11nes	Express by Company Year	781101031	OTOBEON O	Cambarat	
	after 2006	nukuoan				
1. Agr.+ Kin.	0	NA				
2. Manufacturing	0	NA				
3. Utilities	0	NA				
4. Construction	0	NA				
5. Tholesale	0	NA				·
6. Retail	0	NA				
7. Rest.+ Hotel	0	NA				144 C
8. Transport	0	. NA				tal t
9. Finan.+ Real est	. 0	NA	:			
10.Private Ser.+ Go		• NA	•			
Tota	L O	NA				



Table 13-(6)-1 Companies' opinions on 'ISDN Diagram- 5 Digital PBX'

	No Interest	Interest		
L. Agr.+ Min.	0.0 %	100.0 %	<u>.</u>	(p,q) = (1 + p,q) + (1 + p,q)
2. Manufacturing	61.5 %	38.5 E		
3. Utilities	100.0 %	0.0 1		
4. Construction	54.5 %	45.5 %	· .	
5. Wholesale	61.9 %	30.1 %		$1 - \frac{1}{2} = 1$
6. Retail	50.0 %	50.0 %		
7. Rest.+ Hotel	75.0 %	25.0 %	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
8. Transport	50.0 %	50.0 X		and the second second
9. Finan.+ Real est.	65.0 %	35.0 %		
10.Private Ser.+ Gov.	58.8 %	41.9 %		
Total	59.5 %	41.5 X		

Table 13-(6)-2 Average Number of lines Express by Companies interest Diagram-5 Digital PBX

	1992-1996	Year 1997-2001	2002-2006	
	1774 1775	1777 8001		
I. Agr.+ Kin.	0	0	0	
2. Manufacturing	0	0	0	
J. Utilities	0	0	0	$(a_1, a_2) \in \mathbb{R}^{n+1}(L^{\infty}(a_1))$
4. Construction	0	0	0.1	and the second
5. Wholesale	NA	NA	NA	
6. Retail	0	0	0	
7. Rest.+ Hotel	0	0	0	
8. Transport	0	0	0	$[n] = S^{(n)}(n) S^{(n)}(n)$
9. Finan.+ Real est.	0	0	0	(1,1) = (1,1) + (1,1
10.Private Ser.+ Gov.	0	0	0	
			,	
Total	0	· 0	. Q	

Average Number of Express by Company Interest Diagram-5 Digital PBX Year

	160	1
	after 2006	unknown
1, Agr.+ Nin.	0	NA
2. Manufacturing	0	NA
3. Utilities	0	0
4. Construction	0	. NA
5. Tholesale	0	NA
6. Retail	0	NA
7, Rest.+ Hotel	0	NA
8. Transport	. 0	NA
9. Finan.+ Real est.	. ()	NA
10.Private Ser.+ Gov		NA
Total	0	NA

Table 14-(1)

Companies' opinions on 'ISDN Diagram- 6 '

	No Interest	Interest
1. Agr.+ Kin.	25.0 \$	75.0 %
2. Manufacturing	69.8 %	31.2 %
3. Utilities	100.0 %	0.0 1
4. Construction	75.0 %	25.0 %
5. Vholesale	85.7 \$	14.3 %
6. Retail	75.0 %	25 0 %
7. Rest.+ Hotel	100.0 %	0.0 %
8. Transport	63.6 1	26.4 %
9. Finan.+ Real est.	77.8 %	22.2 %
10.Private Ser.+ Gov.	72.6 1	27.4 %
Total	72.6 %	27.4 %

Table 14-(2)

Average Number of lines Express by Companies interest Diagram-6 Vear

	Year				
	1992-1996	1997-2001	2002-2006		
I. Agr.+ Hin.	1.5	0	0		
2. Manufacturing	Ĩ.	3	3		
3. Utilities	0	0	0		
4. Construction	0	0	0		
5. Wholesale	10	0	0		
6. Retail	0	0.	0		
7. Rest.+ Hotel	0	0	0		
8. Transport	1	0	0		
9. Finan, + Real est.	3.5	NA	0		
10.Private Ser.+ Gov.	10	0	0		
Total	4.3	3	3		

Average Number	of lines Express I	y Company Interest	t Diagram-6	
	Year			
af	ter 2006	unknown		
		•		
l. Agr.+ Win.	0	0		
2. Manufacturing	3	NA		
3. Utilities	0	0		
4. Construction	0	NA		
5. Wholesale	0	NA		
6. Retail	0	NA		
7. Rest.+ Hotel	0	NA		
8. Transport	0	NA		
9. Finan.+ Real est.	0	2		
10.Private Ser.+ Gov.	0	NA		
		•		
Total	3	2		
			•	
		t teou of		
Table 15-(1) C	oppanies' opinion	on ' ISDN Diagram-	- 1	
	No. To be not	Interest		
	No Interest	Interest.		
1. Agr.+ Min.	60.0 %	40.0 X		
2. Kanufacturing	78.8 1	21.2 %		
3. Utilities	100.0 %	0.0 %		
4. Construction	75.0 %	25.0 %		
5. Sholesale	90.5 %	9.5 X	and the second	
5, vnoiesale 6. Retail	58.3 %	41.7 %		
	100.0 %	0.0 5		
7. Rest. + Hotel	72.7 %	27.3 %		
8. Transport				
9. Finan.+ Real est.	83.3 %	16.7 5		
10.Private Ser.+ Gov.	77.3 %	22.2 %		
Total	79.2 %	20.8 %	· · ·	
T-13, 17 105 Augusto	Number of times (enrace by Companie	es interest Diagram-7	
Table 15-(2) Average	Report of THES I	Year Year	and theorem and the second secon	
	1992-1996	1997-2001	2002-2006	
	1,70 1,70			
1. Agr.+ Win.	1	0	0	
2. Manufacturing	3	10	20	
3. Utilities	0	0	0	
4. Construction	0	Ū.	• • • • • • • • • • • • • • • • • • • •	
5. Tholesale	ñ	Ŏ	0	
6. Retail	Ň	ů 0	0	
7. Rest.+ Hotel	ν Λ	õ	0	
	v I	0		
8. Transport 9. Figge + Page act	1. 	2	o de la francia de la composición de la	
9. Finan.+ Real est.	· I	2	0 and a state of a state of a	
10.Private Ser.+ Gov.	0	V	V	

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Total

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1.8

20

Average Number of lines Express by Company interest Diagram-7 Year

•	after 2006	unknovn
1. Agr.+ Min.	. 0	0
2. Manufacturing	30	NA
3. Utilities	0	0
4. Construction	0	NA
5. Wholesale		
6. Retail	0	NA
7. Rest.+ Hotel	0	NA
8. Transport	0	NA
9. Finan.+ Beal est.	0	2
10.Private Ser.+ Gov	•	
Total	30	2

Table 16-(1)

Companies' opinions on "ISDN Diagram- 8 '

	No Interest	Interest
1. Agr.+ Win.	25.0 \$	75.0 %
2. Kanufacturing	63.5 %	36.5 %
3. Utilities	100.0 %	0.0 %
4. Construction	58.3 %	41.7 %
5. Wholesale	66.7 %	33.3 %
6. Retail	75.0 1	25.0 %
7. Rest.+ Hotel	100.0 X	0.0 %
8. Transport	33.3 %	66.7 %
9. Finan.+ Real est.	62.8 1	31.2 1
10.Private Ser.+ Gov.	61.1 %	38.9 1
Total	61.5 %	38.5 X

Table 16-{2} Average Number of lines Express by Companies interest Diagram-8 Year

	1992-1996	1997-2001	2002-2006
		_	
I. Agr.+ Min.	1	0	0
2. Manufacturing	1.5	0	3
3. Utilities	0	0	0
4. Construction	1	0	0
5. Tholesale	3.6	5	5
6. Retail	0	0	0
7. Rest.+ Hotel	0	0	0
8. Transport	1.5	3.5	3
9. Finan.+ Real est.	1.3	0	L
10.Privale Ser. + Gov.	t	1	l
Total	1.78	3	3.2

Average Nu s b	er of lines	Express by Company interest Diagram-8 Year
	after 2006	unknown
I. Agr.+ Min.	0	0
2. Manufacturing	3	NA
3. Utilities	0	0
4. Construction	0	NA
5. Wholesale	5	NA
6. Retail	0	NA
7. Rest.+ Hotel	0	NA
8. Transport	0	NA
9. Finan.+ Beal est.	0	19
10.Private Ser.+ Gov	. 0	1
Total	4	14.5

Companies' opinions on 'ISDN Diagram - 9'

	No Interest	Interest	
1. Agr.+ Win.	40.0 1	60.0 I	
2. Wanufacturing	82.7 %	17.3 %	•
÷			1
3. Utilities	100.0 %	0.0 %	
 Construction 	66.7 %	33.3 %	
5. Wholesale	80.9 %	19.1 %	
6. Retail	58.3 %	41.7 \$	
7. Rest.+ Hotel	100.0 %	0.0 %	
8. Transport	75.0 %	25.0 %	
9. Finan.+ Real est.	78.6 %	21.4 1	۰. ب
10.Private Ser.+ Gov.	72.2 %	21.8 %	
Total	76.5 %	23.5 X	

Table 17-(2) Average Number of lines Express by Companies interest Diagram-9

		Year	
	1992-1996	1997-2001	2002-2006
l. Agr.+ Kin.	1	0	0
2. Kanufacturing	10.5	50	50
3. Utilities	0	0	0
4. Construction	0	0	0
5. Tholesale	1	0	0
δ. Retail	0	0	0
7. Rest.+ Hotel	0	0	0
8. Transport	l	0	0
9. Finan.+ Real est.	1	0	0
10.Private Ser.+ Gov.	1	1	l
Tolal	3.5	50	50

Average Nuaber	of	lines	Express	69	Company	interest	Diagram-9
			Year				

a	fter 2006	unknovn
I. Agr.+ Min.	0	0
2. Manufacturing	50	NA
3. Utilities	0	0
4. Construction	0	NA
5. Wholesale	0	NA
6. Retail	0	NA
7. Rest.+ Hotel	0	NA
8. Transport	0	NA
9. Finan.+ Real est.	0	2
10.Private Ser.+ Gov.	1	NA
Total	50	2

Table 18-(1) Companies' opinions on 'ISDN Diagram-10 '

.

	No Interest	Interest
1. Agr.+ Xin.	40.0 %	60.0-3
2. Wanufacturing	75.0 %	25.0 %
3. Utilities	100.0 %	0.0.%
4. Construction	75.0 %	25.0 %
5. Wholesale	80.9 %	19.1 %
6. Betail	66.7 %	33.3 %
7. Rest.+ Hotel	100.0 %	0.0 %
8. Transport	75.0 %	0.0%
9. Finan.+ Real est.	88.1 %	11.9 %
10.Private Ser.+ Gov.	72.2 🗴	21.8 %
Total	77.1 %	22.9 %

Table 18-(2) Average Number of lines Express by Companies interest Diagram-10 Year

	1992-1996	Year 1997-2001	2002-2006	
l. Agr + Min.	1	0	0	
2. Manufacturing	t	3	3	
3. Utilities	0	0	0	
4. Construction	0	0	0	
5. Tholesale	1	3	0	· ·
6. Retail	0	0	0	
7. Rest.+ Hotel	0	0	0	•
8. Transport	l	0	0	· .
9, Finan.+ Real est.	6	50	0	
10.Private Ser.+ Cov.	1	1	I	
Total	2	17.67	3	

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Averäge :	Number of 1	lines	Express Year	by Company	Interest	Olagram-10
	after	2006		unknown	•	
l. Agr.+ Min.		0		0		
2. Manufacturin	g	3		NA		
3. Utilities	•	0		0		
4. Construction		0		NA		
5. Wholesale		0		· 0		
6. Retail		0		NA		
7. Rest.+ Hotel		0		0		
8. Transport		0		NA		
9. Finan.+ Real	est.	0 .		0		
10.Private Ser.		0		NA		
	Total	3		NA	·	

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Companies' opinions on 'ISDM Diagram- 11'

.

	No Interest	Interest
1, Agr.+ Nin.	40.0 %	60.0 \$
2. Manufacturing	70.6 %	29.4 \$
3. Utilities	100.0 %	0.0 %
4. Construction	54.5 %	45.5 %
5. Wholesale	57.1 %	42.9 %
6. Retail	58.3 1	41.7 1
7. Rest.+ Hotel	100.0 %	0.0 1
8. Transport	50.0 %	50.0 %
9. Finan.+ Real est.	73.8 %	26.2 %
10.Private Ser.+ Gov.	61.1 X	38.9 %
Total	65.5 %	34.5 %

Table 19-{2} Average Number of lines Express by Companies interest Diagram-11

	Year			
	1992-1996	1996-2001	2002-2006	
1. Agr.+ Win,	ł	0	0	
2. Kanufacturing	3	2.5	4	
3. Utilities	Ő	0	0	
4. Construction	0	0	0	
5. Wholesale	2	5	0	
6. Retail	0	0	0	
7. Rest.+ Hotel	0	0	0	
8. Transport	1	15	0	
9. Finan.+ Real est.	0	0	0	
10.Private Ser.+ Cov.	ł	ł	l	
Total	1.55	11	3	

Average Number of lines Express by Company Interest Diagram-11 Year

	after 2006	unknown
1. Agr.+ Min.	0	. 0
2. Manufacturing	3	0
3. Utilities	0	0
4. Construction	Û	NA
5. Tholesale	0	0
6. Retail	0	NA
7. Rest.+ Hotel	0	0
8. Transport	0	NA
9. Finan.+ Real est	. 0	0
10.Private Ser.+ Go		NA
Tota	1 3	NA

Table 20-(1)

Companies' opinions on 'ISDN Diagram-12'

	No Interest	Interest
1. Agr.+ Min.	16.7 %	83.3 %
2. Manufacturing	63.5 X	36.5 %
3. Utilities	0.0 %	100.0 %
4. Construction	50.0 %	50.0 %
5. Tholesale	57.1 %	42.9 1
6. Retail	58.3 %	41.7 %
7. Rest.+ Hotel	60.0 %	40.0 %
8, Transport	58.3 %	41.7 1
9. Finan + Real est.	42.8 1	57.2 %
10.Private Ser.+ Gov.	55.5 %	44.5 %
Total	52.7 1	47.3 %

Table 20-(2) Average Number of lines Express by Companies interest Diagram-12

		Year	
	1992-1996	1997-2001	2002-2006
L. Agr.+ Min.	1.67	0	0
2. Manufacturing	4.67	26.5	51.5
3. Utilities	3	0	Q
4. Construction	0	0	0
5. Tholesale	2	0	0
6. Retail	0	0	0
7. Rest.+ Hotel	2.5	2	4
8. Transport	1.5	1.5	0
9. Finan.+ Real est.	0	0	0
10.Private Ser.+ Gov.	1.0	0	0
Total	4.58	9.67	27

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		Express by Company Year	interest Dlagı		
i	after 2006	unknown			
l. Agr.+ Win.	0	0			
2. Kanufacturing	101.5	2		2	÷
3. Utilities	0	0			
. Construction	Ō	0			$L = \sum_{i=1}^{n-1} \frac{1}{i} \sum_{i=1}^{n-1} $
. Tholesale	0	0			
Betail	0	0		••	1
. Rest.+ Hotel	4	4			
Transport	0	NA			
. Finan.+ Beal est.	0	0			
0.Private Ser.+ Gov.	0	NA			
Total	69	15			

Table 21-(1)

Companies' opinions on 'ISDN Diagram-13 '

	No Interest	Interest	· .	
1. Agr.+ Min.	20.0 %	X 0.08		
2. Manufacturing	63.5 %	36.5 %	1	
3. Utilities	100.0 %	0.01		
4. Construction	58.3 %	41.7 %	5.	
5. Tholesale	52.4 1	47.6 1		
6. Retail	66.7 1	41.7 %		
7. Rest. + Hotel	70.0 L	30.0 %		and the second second
8. Transport	50.0 %	50.0 %		and the second second
9. Finan.+ Real est.	54.8 \$	45 2 1		
10.Private Sec.+ Gov.	52.6 X	47.4 %		
Total	57.2 %	42.8 1		

Table 21-(2) Average Number of lines Express by Companies interest Diagram-13

	Year			
÷	1992-1996	1997-2001	2002-2006	
1. Agr.+ Min.	1	0	0	
2. Manufacturing	1.2	5	10	
3. Utilities	0	0	0	
4. Construction	0	0	0	
5. Tholesale	2.67	0	0	
6. Retail	0	0	0	2012 B 12
7. Rest.+ Hotel	I	2	3	
8. Transport	1	- 2	0	
9. Finan.+ Real est.	0	0	0	
10.Private Ser.+ Gov.	4	2.	0	
Total	18.5	2.6	4.67	dir.co

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Average Number of	lines	Express Year	by Company	Interest	Diagram-13
afte	r 2006		unknown		
1. Agr.+ Min.	0		0		
2. Wanufacturing	0		NA		
3. Utilities	0		0		
4. Construction	0		NA	•	
5. Tholesale	0		0		
6. Retail	0		NA		
7. Rest.+ Hotel	4		NA		
8. Transport	0		NA		
9. Finan.+ Real est	0		NA		-
10.Private Ser.+ Gov.	0		NA		
Total	4		5.5		

Table 22-(1) Companies' opinions on 'ISDN Diagram- 14'

	No Interest	Interest
1. Agr.+ Kin.	16.7 %	83.3 %
2. Manufacturing	47.1 5	52.9 💈
3. Utilities	100.0 %	0.0 1
4. Construction	46.2 %	53 8 X
5. Wholesale	47.6 \$	52.4 %
6. Retail	50.0 %	50.0 %
7. Rest.+ Hotel	80.0 \$	20.0 %
8. Transport	54.5 %	45 5 %
9. Finan.+ Real est.	43.9 %	56 1 🖌
10.Private Ser.+ Gov.	57.9 1	42.1 1
Total	48.6 %	51.4 %

Table 22-{2} Average Number of lines Express by Companies interest Diagram-14 Year

		1001	
. 1	1992-1996	1997-2001	2002-2006
1. Agr.+ Min.	1.5	0	0
2. Manufacturing	16	101.5	3
3. Utilities	0	0	0
4. Construction	0	0	0
5. Pholesale	11	20	0
6. Retail	5	0	0
7. Rest.+ Hotel	0	0	0
8. Transport	25.5	0	0
9. Finan.+ Real est.	11.7	NA	l
10.Private Ser.+ Gov.	4	I .	0
Total	12.64	74.3	2

Average Number of	lines	Express by Company Year	Interest Diagram-14
after	2006	unknown	
I. Agr.+ Min.	0	NA	
2. Manufacturing	0	NA	•
3. Utilities	0	0	
4. Construction	Q.	NA	
5. Tholesale	0	NA	2
6. Retail	Ð	· NA	
7. Rest.+ Hotel	0	NA	
8. Transport	0	NA	
9. Finan.+ Real est.	0	1	
10.Private Ser.+ Gov.	0	NA	
Total	3	8.5	

Table 23-(1)

Companies' opinions on 'ISDN Diagram-15 '

	No Interest	Interest
1. Agr.+ Min.	20,0 %	80.0 %
2. Manufacturing	54.9 %	46.1 %
3. Utilities	NA	NA
4. Construction	41.7 %	58.3 %
5. Wholesale	61,9%	38.1 %
6. Retail	50.0 %	50.0 X
7. Rest.+ Hotel	60.0 %	40.0 %
8. Transport	54.5 %	45.5 %
9. Finan.+ Real est.	61.9 %	38.1 %
10.Private Ser.+ Gov.	66.7 %	33.3 %
Total	56.8 %	43.2 %

Table 23-(2) Average Number of lines Express by Companies interest Diagram-15

••••••	1992-1996	Year 1997-2001	2002-2006	
I. Agr.+ Min.	1	0	0	
2. Manufacturing	10.8	51.5	101.5	
3. Utilities	0	0	0	
4. Construction	0	0	0	
5. Tholesale	23.5	30	0	
6. Retail	5	0	0	
7. Rest.+ Hotel	0	0	0	
8. Transport	1	0	0	
9. Finan.+ Real est.	24	6	1	
10.Private Ser.+ Gov.	0	0	Û	
Total	13.85	30.8	68	

Average Number of lines Express by Company interest Diagram-16

	Yea	τ.
	after 2006	unknown
1. Agr.+ Min.	0	0
2. Manufacturing	151.5	· 1
3. Utilities	0	. 0
4. Construction	0	. NA
5. Pholesale	0	, NA
6. Retail	0	NA
7. Rest.+ Hotel	. 0	NA
8. Transport	0	NA
9. Finan.+ Real est.	0	1 E -
10.Private Ser.+ Gov		ŇA

Total 151.5.

Table 24-(1a) Companies's Opinions on Additinal monthly change for telephone and G4 FAX

1

	Cheap	<u>Reasonnable</u>	Expensive	Verg	expensive
L. Agr.+ Xin.	0.00	60.00 1	40.00	5	0.00 %
2. Manufacturing	2.40	64,30 1	26.20	1	7.10 %
3. Utilities	0.00	50.00 %	50.00	2	0,00 %
4. Construction	14.30	71.40 %	14.30	1	0.00 %
5. Tholesale	0.00	76.50 1	17,60	2	5.90 %
6. Retail	0.00 1		45.50	1	0.00 %
7. Rest.+ Hotel	0.00 1		66.67	1	0.00 %
8. Transport	12.50 9		25.00	5	0.00 %
9. Finan + Real est.	2.70 9				2.70 %
10.Private Ser.+ Gov.	0.00			ľ.	9.10 X

Table 24-(1b)Companies's Opinions on Additinal monthly changefor high speed data transmission

	Cheap		Reasonnable	Expensive	Very	expensive
1. Agr.+ Min.	0.00	2	20.00 %	80.00	1	0.00 %
2. Manufacturing	2.40	ę,	31.70 %	53.70	1	12.20 %
3. Utilities	0.00	1	0.00 1	100.00	1	0.00 %
4. Construction	[4.30	5	71.40 \$	14.30	5	0.00 %
5. Tholesale	6.25	1	50.00 %	37.50	1	6.25 %
6. Retail	0.00	1	20.00 1	60.00	5	20.00 %
7. Rest.+ Hotel	0.00	2	33.33 I	33.33	1	33.33 1
8. Transport	0.00	1	50.10 %	50.00	2	0.00 %
9. Finan.+ Real est.	0.00	1	40.50 %	51.40	1	8.10 %
10.Private Ser.+ Gov.	0.00	ï,	27.30 1	63.60	1	9.10 %

HOLD OF (1) HEREE		1				
	For telephone and G4 FAX (Bath/month)	For hight data transmission	speed (Bath/month)			
1. Agr.+ Min. 2. Kanufacturing 3. Utilities 4. Construction	200 157 NA NA	1,667 1,500 NA 1,750				
5. Wholesale 6. Retail 7. Rest. + Hotel 8. Transport 9. Finan. + Real est. 10.Private Ser. + Gov.	225 150 150 NA 200 150	1,000 1,000 1,500 2,500 1,550 1,000				

Table 24-(2) Additional monthly change by companies that not express 'Reeasonable'

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Table 25-{1}-1 Companies' Opinions on Need for Condition 'at the time of renewal of the existing system' to easily introduce the ISDM service

	No need	need		
1. Agr.+ Nin.	40.0 %	60.0 %		
2. Kanufacturing	88.0 %	12.0 %		· · ·
3. Utilities	50.0 %	50.0 %		
4. Construction	55.6 %	44.4 %	4 (* 14) 14	and the second second
5. Tholesale	57.9 %	42.1 %	÷ .	
6. Retail	72.7 %	27.3 \$	2.1	
7. Best.+ Hotel	100.0 %	0.0.\$	1. 1. E. S.	
8. Transport	62.5 %	37.5 %		
9. Finan.+ Real est.	75.6 %	24.4 %		
10.Private Ser.+ Gov.	62,5 %	37.5 %		
tottituto dette dette		:		

Table 25-(1)-2 Companies' Opinions on Need for Condition 'When service become popular'

	No need	need		
1. Agr.+ Kin.	60.0 X	40.0 %	i terti	
2. Wanufacturing	58.0 %	42.0 1		
3. Utilities	100.0 %	0.0 \$		
4. Construction	33.J I	66.7 \$	1.0	a de la face
5. Tholesale	57.9 %	42.1 1	1 K 1	
6. Retail	54.5 %	45.5.8		
7. Rest.+ Hotel	50.0 %	50.0 \$	i ja	
8, Transport	75.0 %	25.0 \$		1946
9. Finan.+ Real est.	53.7 %	46.3 \$		· · · · · · · · · · · · · · · · · · ·
10.Private Ser.+ Gov.	68.8 1	31.3 %	S. Carlos	
to difficate set a dov.	UV.V P			

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Table 25-(1)-3 Companies' Opinions on Need for Condition 'Lower prices for the terminal'

	no need	need
1. Agr.+ Nin.	60.0 %	40.0 %
2. Manufacturing	28.0 1	72.0 %
3. Utilities	50.0 %	50.0 %
4. Construction	22.2 %	77.8 %
5. Tholesale	31.6 %	68.4 %
6. Retail	45.5 %	54.5 %
7. Rest.+ Hotel	50.0 %	50.0 %
8. Transport	25.0 %	75.0 1
9. Finan.+ Real est.	31.7 %	68.3 X
10.Private Ser + Gov.	31.3 %	68.7 %

Table 25-(1)-4 Companies' Opinions on Need for Condition 'Changing system should be easy'

	No need	need
1. Agr.+ Min.	20.0 %	80.0 %
2. Manufacturing	54.0 %	46.0 %
3. Utilities	50.0 %	50.0 %
4. Construction	66.7.1	33.3 %
5. Tholesale	42.1 %	57.4 %
6. Retail	9.1 %	90.9 \$
7. Rest.+ Hotel	50.0 \$	50.0 %
8. Transport	37.5 %	62.5 I
9. Finan.+ Real est.	34.2 %	65.8 I
10.Private Ser.+ Gov.	35.7 %	62,5 %

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Table 25-(1)-5 Companies' Opinions on Need for Condition 'Low monthly charge '

	No need	need	
1. Agr.+ Min.	0.0 %	100.0 %	
2. Manufacturing	33.3 %	66.7 %	
3. Utilities	50.0 %	50.0 %	
4. Construction	44.9 %	57.L %	
5. Tholesale	42.1 \$	57.9 %	
6. Retail	54.5 %	45.5 %	
7. Rest.+ Hotel	50.0 %	50.0 1	
8. Transport	25.0 %	75.0 1	
9. Finan.+ Real est.	41.5 %	58.5 %	
10.Private Ser.+ Gov.	6.3 %	93.8 X	

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Table 25-[1]-6 Companies' Opinions on Need for Condition "Lower Call charge"

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	No need	need	
1. Agr.+ Nin.	20.0 %	80.0 %	4 C
2. Kanufacturing	54.0 %	46.0 %	: ·.
3. Utilities	100.0 1	0.0 \$	
4. Construction	33.3 %	66.7 %	
5. Tholesale	52.6 %	47.4 %	
6. Retail	63.6 %	36.4 1	-
7. Rest.+ Hotel	50.0 %	50.0 %	2
8. Transport	75.0 1	75.0 %	
9. Finan.+ Real est.	46.3 X	53.7 %	an a
10.Private Ser.+ Gov.	43.8 %	56.3 %	

Table 25-(1)-7 Companies' Opinions on Need for Condition 'Nationwide extension of the communication area to Asia'

	No need	need	
1, Agr.+ Xin.	60.0 %	40.0 %	
2. Wanufacturing	72.0 1	28.0 %	
3. Utilities	50.0 %	50.0 %	
4. Construction	88.9 1	11.1 3	
5. Wholesale	63.2 1	36.8 %	
6. Retail	63.6 %	36.4 %	· · ·
7. Rest.+ Hotel	50.0 %	50.0 %	i e di seconda di second
8. Transport	62.5 1	37.5 %	
9. Finan.+ Real est.	82.9 1	17.1 %	
10.Private Ser + Gov.	68.8 X	31.2 %	

Table 25-{1}-8 Companies' Opinions on Need for Condition 'Extension of the communication area to Northern Americca'

	No need	need	
1. Agr.+ Min.	100.0 %	0.0 \$	
2. Wanufacturing	86.0 1	14.0 %	
3. Utilities	50.0 %	50.0 %	
4. Construction	88.9 1	11.1 %	
5. Wholesale	78.9 %	21.1 %	
6. Retail	81.8 %	18.2 1	
7. Rest.+ Hotel	75.0 1	25.0 %	
8. Transport	50.0 S	50.0 %	
9. Finan.+ Real est.	87.8 1	12.2 3	
10.Privale Ser.+ Gov.	81,2 1	18.8 %	

Table 25-(1)-9

Companies' Opinions on Need for Condition 'Extension of Communication area to Western Europe '

	No need	need
1. Agr.+ Nig.	100.0 %	0.0 %
2. Manufacturing	86.0 1	14.0 %
3. Utilities	50.0 %	50,0 %
4. Construction	77.8 %	22.2 %
5. Tholesale	84.2 %	15.8 %
6. Retail	81.8 %	18.2 %
7. Rest.+ Hotel	75.0 %	25.0 %
8. Transport	62.5 %	37.5 %
9. Finan.+ Real est.	90.2 %	9.8 %
10.Private Ser.+ Gov.	68.8 %	31.3 %

Table 25-(1)-10

Companies' Opinions on Need for Condition 'Utilization of Valuable application systems and software for the services'

	No need	need
1. Agr.+ Nin.	50.0 %	50.0 %
2. Wanufacturing	70.3 \$	30.0 %
3. Utilities	0.0 %	100.0 %
4. Construction	66.7 1	33.3 1
5. Tholesale	57.9 \$	42.1 %
6. Retail	36.4 %	63.6 %
7. Rest.+ Hotel	50.0 %	50.0 %
8. Transport	50.0 %	50.0 X
9. Finan.+ Real est.	36.6 1	63.4 %
10.Private Ser.+ Gov.	56.3 %	43.8 %

Table 25-(1)-11

Companies' Opinions on Need for Other Condition

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ana Ang ang ang ang ang ang ang ang ang ang a	no need	need
I. Agr.+ Win.	100.0 %	0.0 %
2. Manufacturing	92.0 %	8.0 %
3. Utilities	100.0 %	0.0 1
4. Construction	100.0 %	0.0 %
5. Wholesale	94.7 \$	5.3 %
6. Retail	90.9 %	9.1 %
7. Rest.+ Hotel	100.0 %	0.0 %
8. Transport	100.0 %	0.0 %
9. Finan.+ Real est.	95.1 %	4.9 %
10.Private Ser.+ Gov.	93.8 %	6.3 %
and the second		

	First	Second	Third	
1. Agr.+ Win.	5	3,1	-	
2. Manufacturing	3,5	4	2	
3. Utilitles	3	t	-	$F(x) = e^{-ix} F(x)$
4. Construction	3,6	1,2,3,4,5,10	•	and the second second
5. Vholesale	2	S	4	·
6. Retail	2	4,6	10	
7. Rest.+ Hotel	ş	4,10	-	
8. Transport	5	3,4,6,10	-	
9. Finan.+ Real est.	2	4	5	
10.Private Ser.+ Gov.	5,10	1,3	-	

Table 25-(2) Ranking of most three Important Condition to easily introduce the ISDN Service

Tah	ta.	27
1 an	12	21

Kost three Country that Companies trade with maining

	First	Second	Third	
1. Agr.+ Win.	1	2,3,8	1,4	
2. Manufacturing	7	3	2	
3. Utilities	NA	NA	NĂ	
4. Construction	8	3,5	-	•
5. Vholesale	7,3	8	1,2	
6. Retail	7	3	2	
7. Rest.+ Hotel	3	1,2,7	4,6	
8. Transport	3	1,7	2,4	
9. Finan.+ Real est.	3	1	1	
10.Private Ser.+ Gov.	1,2,3,7	4,8	-	(1997) 1997 - 1997 1997 - 1997

Note: 1 = North Agerica

2 = ₩est Europe

3 = New Industrializating (NIES) of Asia (Hong Kong,Singapore,Taiwan,Korea)

4 = Southern-east Asia oother than NIES

5 = NIES of Latin America (Argentina, Mexico, Brazil)

6 = NIES of South Europe (Greece, Yogoslavia, Partugal)

- 7 = Japan
- 8 = Other country

Table 27-(2) Portion of companies did not trade abroad

ŧ.	Agr.+ Kin.	14,3 1
2.	Manufacturing	16.7 🐒
3.	Otilities	50.0 %
4.	Construction	75.0 \$
5.	Wholesale	10.0 %
6.	Retail	33.3 %
1.	Rest.+ Hotel	0.0 %
8,	Transport	14.3 %
9.	Finan.+ Real est.	50.0 %
10.	Privale Ser.+ Gov.	58.8 X

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Table 28-(1)	Catego	org of Office par	ticipating in SECTOR	survey		
	Agr.+Min	Kanufacturing	Utilities	Construction	Vholeesale	
I. Head office	100.0 %	64.8 %	66.7%	93.8 %	58.3 %	
2. Brarch office	0.0 %	16.7 %	0.0 %	9.1 %	25.0 %	
3. Sale shop	0.0 %	1.9 %	0.0 %	0.0%	4.2 %	
4. Factory	0.0.5	14.8 %	0.0 %	0.0 %	4.2 %	
5. Parehouse	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	
6. Computer Center	0.0 %		0.0 %	0.0 1	0.0 %	
7. Laboratory	0.0 %	2.2 %	0.0 %	0.0 %	0.0 %	
8. Others	0.0 %	1.9 1	33.3 %	0.0 X	0.0 %	
Table 28-(2)	Cal	tegory of Office	participating SECTOR	in survey		
	Retail	Rest.+Hote1	Transport	Finance	Private	
1. Head office	63.6 %	75.0 %	73.3 %	79.6 %	60.9 %	
2. Brarch office	27.3 %	25.0 %	26.7 %	14.3 %	8.7 %	
3: Sale shop	0.0 1	0.0 %	0.0 %	0.0 1	0.0 %	
4. Factory	0.0 %	0.0 %	0.0 %	0.0 %	4.3 X	
5. Warehouse	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	
6. Computer Center	0.0 %	0.0 %	0.0.1	2.0 %	0.0 %	
7. Laboratory	0.0 %	0.0 1	0.0 %	0.0 %	4.3 %	
8. Others	0.0 1	0.0 1	0.0 %	4.1 %	21.8 🐒	
Table 29		Companies ' Offi				
	No	Yes				
1. Brarch office	57.1 %	42.9 %		.e.		
2. Sale shop	100.0 %	0.0 %				
3. Factory	42.9 %	57.1 %				
4. Varehouse	71.4 3	28.6 %				
5. Computer Center	85.7 %	14.3 %				
6. Laboratory	100.0 I	0.0 %				
7. Others	100.0 %	0.0 %		,		
ÂŊ	Other Compa	nnies ' Offices				
	<u>In</u> <u>Manufac</u> No	turing <u>Sector</u> Yes				
1. Brarch office	71.9 %	28.1 %				
2. Sale shop	94.7 1	5.3 %				
3. Factory	39,3 T	60.7 %				
4. Warehouse	77.2 %	22.8.5				
	96.5 %	3.5 %				
5. Computer Center	7073 A	J.J A				
5. Computer Center 6. Laboratory	98.2 %	1.8 % 5.4 %			14	

Any Other Companies ' Offices

	<u>In Utilities</u> No			
 Brarch office Sale shop Factory Warehouse Computer Center Laboratory Others 	33.3 % 100.0 % 100.0 % 100.0 % 100.0 % 100.0 %	66.7 % 0.0 % 0.0 % 0.0 % 0.0 % 0.0 %		

Any Other Companies ' Offices

	In Construct	ion Sector
	No	Yes
1 Breach affins	28.6 %	71.4 %
1. Brarch office	-	
2. Sale shop	85.7 🐒	14.3 %
3. Factory	64.3 \$	35.7 %
4. Varehouse	71.4 \$	28.6 %
5. Computer Center	100.0 1	0.0 %
6. Laboratory	85.7 %	14.3 \$
1. Others	92.3 %	7.7 %

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Any Other Companies ' Offices

	In Tholesale No	<u>Sector</u> Yes
1. Brarch office	45.9 1	- 59 .1 %
2. Sale shop	95.5 %	45.5 %
3. Factory	72.7 %	27.3 %
4. Varehouse	72.7 %	27.3 1
5. Computer Center	90.9 1	911
6. Laboratory	81.8 %	18.2 %
7. Others	77.3 指	22.7 %

Any Other Companies ' Offices

	<u>(n Betail</u> No	<u>Sector</u> Yes	化原因甲		
1. Brarch office	45.5 %	54.5 %			
2. Sale shop	NA	NA			1.1
3. Factory	81.8 %	18.2 %			
4. Varehouse	70.0 %	30.0 X	1997 - A.		1
5. Computer Center	90.9 1	9.1 %			
6. Laboratory	100.0 %	0.0 %			
7. Others	90.9 %	9.1 %		at an a	-

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Any Other Companies ' Offices

In Resturant and Hotel Sector No Yes

75.0 %	25.0 %
100.0 %	0.0 %
100.0 %	0.0 %
100.0 %	0.0 %
100.0 1	0.0 %
100 0 %	0.0 %
100.0 %	0.0 %
	100.0 % 100.0 % 100.0 % 100.0 %

Any Other Companies ' Offices

In <u>Transport</u> <u>Sector</u> No Yes

1. Brarch office	21.4 %	78.6 %
	100.0 1	0.0 %
3, Factory	92.9 %	7.1 %
4. Warehouse	78.6 %	21.4 %
5. Computer Center	78.6 X	21.4 %
6. Laboratory	100.0 %	0.0 %
7. Others	100.0 %	0.0%

Any Other Companies ' Offices

	• • •	<u>In fina</u> No	nce	and <u>Real Estate Sector</u> Yes
1.	Brarch office	20.4	5	79.6 %
	Sale shop	100.0	۲.	0.0 %
	Factory	93.9	2	6.1 %
	Warehouse	95.9	5	4.1 %
	Computer Center	87.8	5	12.2 %
	Laboratory	100.0	L	0.0 %
	Others	93.9	3	6.1 %

Any Other Companies ' Offices

	In Private	and	Government	Service
	No		Yes	
1. Brarch office	40.0	х. Х	60.0	ан б аста
2. Sale shop	100.0	1	0.0	5
3. Factory	80.0	% .	20.0 1	6
4. Varehouse	80.0	٢.	20.0	1
5. Computer Cente	r 85.0	2	15.0 1	6
6. Laboratory	95.0	5	5.0 5	4
7. Others	85.0	1	15.0 5	۲. L

11-3 Number of Leased Circuits by Exchange Office

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REA		No. of Lines	******	OFFICE NAME	No. of Lines	Area total
ODE		2 020	CODE	PHLOEN CHIT	2.020	(· · ·
	PHLOEN CHIT	2,020		and the second division of the second divisio	A CONTRACTOR OF A CONTRACTOR O	
	SURAWONG	751		SURAWONG	751	
	KRUNG KASEM	615	-	KRUNG KASEM	615	4
4	PHAHONYOTHIN	471	- Company and the second	SAMRAN RAT	446	4.
1	SAMRAN RAT	446	1	ASOK DIN DAENG	217	4
. 4	LAT PHRAO I	234	1	SUKUMWIT	83	
1	ASOK DIN DAENG	217	1	SAMSEN	71	Area 1
	THUNG MAHAMEK	139	1	PATHUM WAN	43	4,24
	SUKUMWIT	83	2	THUNG MAHAMEK	139	
	LAT YA	77	2	PHRA KHANONG	65	
	SAMSEN	71	the second se	CHAIYAPHRUK	64	
	PHRA KHANONG	65	and the second s	HUA MAK	62	
	and the second se	64		TROK CHAN	56	
_	CHAIYAPHRUK	62	And a state of the	THON BURI	45	
	HUA MAK				37	an the state of the
	TROK CHAN	56		SATHU PRADIT		
	BANG SU	46		KLONG CHAN	28	1. S.
-	THON BURI	45	1	PU CHAO SAMINGPHRAI	28	Į .
1	PATHUM WAN	43		THANON TOK	24	
4	LAK SI	43	2	KHLONG TOEI	10	
2	SATHU PRADIT	37	2	BANG PHLI	10	
3	PHRA PRA DAENG	32	2	SAMUT PRAKAN	6	
	BANG PHLAD	31	2	TUN NO	5	
	LAT PHRAO 2	29		BANG POO	3	Area 2
	KLONG CHAN	28		PRAVET	2	58
					77	
	PU CHAO SAMINGPHRAI	28		LAT YA	32	
	DON MUANG	28		PHRA PRA DAENG		
	THANON TOK	24	<u>}</u> {	BANG PHLAD	31	
3	DAO KANONG	16		DAO KANONG	16	
4	INTHAMARA	15	3	EKKA CHAI	13	
3	EKKA CHAI	13	3	RATBURANA	12	
4	PATHUM THANI	13	3	NONG KHAEM	10	-
	NGAM WONG NAN	13	3	PHASI CHAROEN	7	24 C
	RATBURANA	12	3	CHARAN SANIT WONG	6	
	PAK KRET	11	h	MUBAN SETTHAKIT	3	
	KHLONG TOEI	10	h	BANG KHAE		Алеа З
·			h	PHASI CHAROEN	1	21
	BANG PHLI	10			······	ا ئے۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔
	NONG KHAEM	10		PHAHONYOTHIN	471	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
	BANG KHEN	9		LAT PHRAO 1	234	
4	CHAENG WATTANA	8	J	BANG SU	46	
	PHASI CHAROEN	7	4	LAK SI	43	
2	SAMUT PRAKAN	6	4	LAT PHRAO 2	29	
3	CHARAN SANIT WONG	6	4	DON MUANG	28	
	ON NUT	5	4	INTHAMARA	15	en de la composition
	CENTRAL PLAZA	5	4	PATRUM THAN	13	
*******	RANG SIT	4	h	NGAM WONG NAN	13	
	NON THABURI	4		PAK KRET	11	
				BANG KHEN	9	
	BANG POO	3	•		8	
	MUBAN SETTHAKIT	3		CHAENG WATTANA	·····	
	BANG KHAE	3	}+	CENTRALPLAZA		Area 4
2	PRAVET	2		RANG SIT	4	93
4	NAWA NAKHON	2	4	NON THABURI		Total
3	PHASI CHAROEN	i	1	NAWA NAKHON	2	5.97
EA	OFFICE NAME	No. of Lines		· · · · · · · · · · · · · · · · · · ·		
				* .		n an
DE	<u>}</u>	10		<i>i</i> .		
	NAKHON PATHOM	18				n ann an Arthrean an Arthrean
	SANUT SAKHON	17				
	ΑΥυΤΤΗΑΥΑ	26				ng ann a s

11-4 Result of Area Ranking Analysis

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Arco	Eachange	Permanent	L	E			1	
Carde		Total	LENGE LLT.	Focuinaile Set	Company	Total	Order	Rank
		Point	Point	Peint	Point	Point	1	
1	SURAWONG	24	9	10	10	53 ·	1	
2	PHILOEN CHIT	- 22	2	8	10	42	2	
4	SAMRAN RAT	14	8	8	10	40	3	
1	PHAHONYOTHIN	18	8	4	4	34	4	
1	AMARIN PLAZA	30	0	2	<u> </u>	33	5	. A
2	ASOK DIN DAENG	18	6	4	4	32	6	
4	CENTRAL PLAZA	26	2	2		31	. 7	
<u>`A</u>	KRUNG KASEM	14	9	4	4	31	7	
2	PATHUM WAN	22	2	4	2	30	9	
2	KHLONG TOEI	22	2	4	1	29	10	
2	THAI WA	26	0	<u> </u>	<u> </u>	29	10	
1	MAH BOONKRONG	24 20	0	2		27	12	
				4	1	27	12	
<u> </u>	BANG PHILI-BANG BO	24	<u> </u>	2	. 0	26	14	
	POM PHRACHOOL	24	0	- 2	0	26	14	
3	NONG XHAEM	12	10	2	1	25	16	
	PU CHAO SAMINGPHRA	18	2	44		25	16	50
2	BANG PHLI BANG POO	12 20	10	2	0	24	18	B
2	the second s					24	18	
2	CHAFYAPHRUK	16	2	4	2	24	18	
2	HUA MAK LAT PHRAO 1	16	2	4	2	24	· 18	
-	SUKUMWIT	16		4	2	24	18 18	Ι.
				6		24		
3	THUNG MAHAMEK	16	2	4	2	24	18	
4	CHARAN SANTT WONG	18		2		23	25	
2	EKKA CHAI	16 16		4	1	23	- 25	-
_	TROK CHAN LAT PHRAO 2	14	2		2	23 22	<u>· 25</u> 28	ł
-	LATYA	14	2	4	2	22	28	-
	NAWA NAKHON	18	2	2	0	22	28	
	BANG KHEN	16	2	2	1	21	31	
	BANG SU	16	2	2	1	21	31	
	DON MUANG	16	2	2	41	21	31	
	INTHAMARA	16	2	2	1	21	31	С
4	NGAM WONG NAH	16	2	2	1	21	31	
4	PHRA KHANONG	16	2	2	1	21	31	
2	PHRA PRA DAENO	16	2	3	1	21	31	
2	SAMSEN	16	2	2	1	21	31	
2	SAMUT PRAKAN	16	2	2	1	21	31	
	THANON TOX	16	2	2	1	21.	-31	
	THANYA BURI	18	Q	2	1	21	31	
	THON BURI	16	2	2	<u> </u>	21	31	
	BANG PHLAD	14	2	2	2	20	44	
	PRAVET	16	2	2	0		40	
_	BANG NA	14	Q 7	- 4		19 19	40	
			·			19	40	
	NON THABURI	14 14	2	2	<u> </u>	19		
	ON NUT PHASI CHAROEN	(4 4	2	2	1	19	45	
	RATBURANA	14	2	3	<u>`</u>	19	46	
	DAO KANONG	12	2		2	18	52	
	RANG SIT	14	2	2	<u> </u>	18	52	ł
_	BANG BUA THONG	16	0	0	1	17	51	
~~~	BANG KHAF	12	2	2	.1	17	55	•
4	MUANG EN	11	0	2	11	17	55	
		14	0	2	1	17	55	מ
2	NONG CHOK				1	17	55	
	PAK KRET	ţ,4	2	0	h		_	
4	PAK KRET PATHUM THANI	14 12	2	2	I.	17	55	
4	PAK KRET	14 12 14	2 0	2		17 17	55 55	
4	PAK KRET PATHUM THANI RAM INTHRA SIKAN	14 12 14 14	2 0 9	2 2 2	   	17 17 17	55 55 55	
4 4 4 7	PAK KRET PATHUN THANI RAM INTHRA SIKAN BANG CHAN	14 12 14 14 14	2 0 0	2 2 2 2 2		17 17 17 16	55 55 55 62	
4 4 4 7. 2	PAX KRET PATHUM THANI RAM INTHRA SIKAN BANG CHAN LAEM THONG	(4 12 14 14 14 14	2 0 3 0 0	2 2 2 2 2 2 2 2		17 17 17 16 16	55 55 55 62 62	
4 4 4 4 7 7 7 7	PAX KRET PATHUM THANI RAM INTHRA SIKAN BANG CHAN LAEM THONG PHUT THAMONTHON	14 12 14 14 14 14 14	2 0 0 0 0 0	2 2 2 2 2 2 2 2 2 3	I I 0 0 0 0	17 17 17 16 16 16	55 55 55 62 62 62	
4 4 4 7 2 7 2	PAK KRET PATHUM THANI RAM INTHRA SIKAN BANG CHAN LAEM THONG PHUT THAMONTHON LAD KRABANG	(4 12 14 14 14 14 14 14 14 12	2 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2	I I 0 0 0 0	17 17 17 16 16 16 16 16 15	55 55 62 62 62 62 65	
4 4 4 4 2 2 2 3 2 3	PAK KRET PATHUM THANT RAMINTHRA SIKAN BANG CHAN LAEM THONG PHUT THAMONTHON LAD KRABANG LAX SI	(4 12 14 14 14 14 14 14 14 12 10	2 0 0 0 0 0 2	2 2 2 2 2 2 2 2 2 2 2 2 2		17 17 16 16 16 16 15 15	55 55 62 62 62 62 62 63 65	
4 4 4 3 2 2 7 7 4	PAK KRET PATHUM THANI RAMINTHRA SIKAN BANG CHAN LAEM THONG PHUT THAMONTHON LAD KRABANG LAX SI CHAENG WATTANA	14 12 14 14 14 14 14 14 14 12 10 10	2 0 0 0 0 0 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2	I I 0 0 0 1 1 0	17 17 16 16 16 16 15 15 15	55 55 53 62 62 62 62 62 65 65 65	
4 4 4 4 2 2 2 2 2 2 4 2	PAK KRET PATHUM THANT RAM INTHRA SIKAN BANG CHAN LAEM THONG PHUT THAMONTHON LAD KRABANG LAX SI CHAENG WATTANA PHRUK SACHAT	14 12 14 14 14 14 14 12 10 10 10 12	2 0 0 0 0 2 2 0	2 2 2 2 2 2 2 2 2 2 2 2		17 17 16 16 16 15 15 15 14 14	55 55 55 62 62 62 62 62 63 65 65 65 67	
4 4 4 4 11 11 11 11 11 11 11 11 11 11 11	PAK KRET PATHUM THANI RAMINTHRA SIKAN BANG CHAN LAEM THONG PHUT THAMONTHON LAD KRABANG LAX SI CHAENG WATTANA	14 12 14 14 14 14 14 14 14 12 10 10	2 0 0 0 0 0 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2	I I 0 0 0 1 1 0	17 17 16 16 16 16 15 15 15	55 55 53 62 62 62 62 62 65 65 65	

## Annex 11-107

ANNEX

CHAPTER 13 TELECOMMUNICATIONS FACILITY PLAN

Nimber of Distant Dail	at the and of NNT	1007 0 000 20	18137	342.80	192.80	11540	009 26	245.70	151.40	WU 00	C1 CEC C		058 69	249.00	Z73.40	124,950	52,200	\$2,800	183,60	119.70	102 400	1000-19	120.000	114,900	51,600	214,800	187,500	000 4C7	34 800	2,597,700		000'LZI	007.16	264.800	50.800	147,300	151,200	20,000	007 081	2001001	178,600	251,400	2.025.400	357,500	113,100	86,400	
N.	- 10 UUC		8.100	16.200	9.600	33,000	10	0	8,400	0	75 200	3	ē	0	0	0	0	0	4,200	50	sie		0	0	ò	13,800	3,900	0,40	0 0	38,700		0	50	0	0	0	4,500	89	20	2000	0	11,400	28,800	12.600	0	0	č
-	2ux	3	000.6	17,700	10,500	35,700	0	1000	0.300	juux Auno	SK ADD		0		6	0	0	0	4,800	5	0093	3000	2,700	ō	0	14.700	0		20	52.200		10,200	50	0	0	0	4,800	50		ē	009.6	12,600	37,200	13.500	0	0	ē
	2005	3	006'6	19,200	11.100	38.400	8	0	006'6	2.400	000.10	~	e	000.6	5.700	3,600	4,200	0	0	0.400	3000	0	0	2,700	0	15.300	00001		0	73,800		11,100	50	8.400	0	4,800	0	3	2400	30	10.500		51,300	14.700	1.800	3,000	1000
-	- NOC	5	o	0	0	6	0	0	6	6	C		0	006.6	6,600	4 200	0	8.30	5,700	00/10	24		2,700	3,000			4,200		4.800	63.000			Not,	009.6	õ	5,400	0	200	2001/	8,700	11.400	0	51,000		0	0	
-	2003	+	0	ð	0	0	6	0	0	0	c	,	6	11100	7300	4,800	0	6,900	9	0010			3300	3,300	9,600	0	5	5		Ŀ		5	13,500	10,500	1.800	6,300	6,600	1900	1002	0.000	Б			- - -	6	3,000	2 2 2
	2000	+	15,300	24,300	14,700	49,300	1500	3 600	12 300	ō	121,5001		1.800	0	5	0	0	0	1.000	50		\$ 100	0	õ	0	18.900	6,000	300	0	63,900		2	- > 0	0	0	0	7,800	0	2004	0000	0		49,500	22,200		0	
	2001		16,300	24,300	15,000	51.300	2,400	4,200	12,300	0	126.300		0			0	0	0	00%		10111	3 400	0	0	0	19.200	0.600	10,200	0	75,000		10001	0	0	0	0	8.700	56	ē		14 700	20,100	57.000	25.200	0	0	2
	2000		19,800	25,200	15,900	53,700	0	6,300	12,600	2,100	2	1.1	0	14,700	12,300	1,200	6,300	6	5 <u>5</u>	2002	1400	0	6,000	4,500	0	19,800	0	20	0	122,400	10.000	13,800	0	14,400	0	8,700	0000	30	5		15,600	22,500	77,700	28,800	0	0	
-	6661		0	0	0	0	5,100	0		1	10200		ö	16.200	14,700	7 800	0	000'6	10-200	17 400	10	0	7,200	5,400	0	5		1		111,900	4	D (1)	0	15.900	0	009*6	0	2,200 17 mil	800	14.400	16.200	0	001.68	6	6,300	5,400	
	8661		0	0	0	0	0	0	Ģ	0	0		0	17,400	16,800	8,700	0	0.00'6	0000	000 8	0	0	8,400	6,000	21,600	5			, O	116,400		1000 11	21,000	17,100	0	10,200	17,500	11,200	8.400	15,600	0	0	113,700	6	0	5.700	
Manded -	1997		58,800	52,200	28,200	96,300	21,900	56.100	19.500	10	333.000		0	0	0	0	5	0.00	000.15	se		19,500	0	0	0	1000.00	30,000	13500	0	182,400	-		0	0	16,500	0	m/ 67	39.000	40.500	45,600	0	47,100	218,400	68,100	0	0	2
			65,700	47,400	25,200	120,300	21,000	54,900	17,100	ō	351,600		0	0	0	ö	5	000.25	20,00	e	13,200	18,300	0	0	0 00	1004-02	1000 VV	11.700	o	182,100	10 000	10,0,0	0	i Ö	õ	0	2001/7		6	0	24,600	42,300		61,800	16,200	8	
NUEDOT OF FRIDARY FUED 10 DC HI	1995		0000	41,700	21,600	108,600	0	28,800	14,400		288,600	1 .	ō	38,400	44,400	21 000	10,400	5		200 90	10,800	0.	25,200	17.700	0		40.800	0		287,100	14 gm	000121	0	39,000	Ŷ	21,600	14 000	0		1	1		150.000	54,600	0	0	
	1994		10,800	0	0	34,800	18,000	· .	1.43		100,200	ł. I	0	34,500	40,200	19,200	0.00	10,000	1005.05	32.700		0	23,100	16,200		2000		0		260,700		16 505	0	35,100	0	19,500	14 100	30,900	35,400	36,000	17,700	õ	205,200	6	14,400	14,100	
2	1993		•	•	0	ି <b>।</b> ୧	0	0	0	12,300	12,300		0	30,600	36.300	17.100	000011	3	11 400	28.500	0	0	21,000	14,700			0	0	0	171,300	¢	14 100	0	31,500	0	8,4	12 000	27.900	33.000	32,400	0	0	188,400	0	13,500	12,900	
NUMBER OF FILMERY PARTY	Before 1993		107,175	74,600	41,000	005 66	23,400	64,800	45,600	49,600	499,675		61,050	67,200	006.88	31,350	005.95	UUL XL	000 95	52,800	43,500	009'6	20,400	41,400	20,400	000 22	44,900	8,700		732,900	41 RM	000 12	60,600	83,300	32,500	44,100	100/ 67	23.300	48,000	28,800	37,300	26,700	525,400	56,000	59,400	42,300	
11.F	Exchange		PHLOEN CHIT	SAMKAN KAT	KKUNG KASEM	SURAWONG	SAMSEN	ASOK DIN DAENG	PATHUM WAN	TIWWITH	BMA 1 TOTAL		CHALYAPHRUK	BANG NA	LONG CHAN	CATTIND ANTAMEN	THANON TOK	BANG CHAN	PHRA KHANONG	HUA MAK	TROK CHAN	AT KRABANG	KHLONG TOEL		KAMKAMHAENU SAMITI PRAKAN	PILCHAD SAMING	BANG PHL	BANG PU	BANG PHILBANG B	A 2 TOTAL	THON BURI	NG KHAE	DAO KHANONG	BANG PHLAT	ASI CHAROEN	CHAKAN SANITWO	AT YA	MUBAN SETTHAKT	EKKACHAI	NONG KHAEM	RA PRADAENG	BANG BUA THONG	M 3 TOTAL	PHAHONYOTHIN	THAMARA	BANG KHEN	

## 13-1 Expansion Volume of the Local Cable Pairs (1/2)

Number of Primary Pai	1007 B 000 247 B	002.68 0		0 201.64								29,400 2,795,600		0 136,300			0 14,100	0 26,100			V 500		010-040 725 000			000000000000000000000000000000000000000	3,600 35,400					00-71 D			1.800						0 3,700	001,4CI 00,00		5.400	600			
200	-	- June	V WU	28 200	ľ		L			4 500	0			õ	0	0	0	0	10	0	e	50	50	Te	 	0		õ	6	5	5	500	1005		10	0	0		0	5			248,100 17	E	12	¥ .	· · · ·	
2005	0	3 300	20	29,400	0	ð	3.600	0		0		82,800		14,400	15.000	0	5.10	0		34,50		5				0	0	õ	0	0					0	0	0	0	2,400	5			11	- 1	336.000			
305	L				7,200				000-6 0	L	L	007.86		15.30				0 10,200	0 6,900	0 32,400			0000			0		0 3,300								0 2,100	L	0 0		0 7 1001				10.	0 288,300		-	•••
2003	6		43	L		ļ	4,200 3,600	ł	.	0		56,10	-		0	0 16500			) 10	0 16,500	01 14 700	5		14.70		0 1,200											1.5(	1.000			009 009		1.	1.5	000 222 300	£		
2001 2000	6	5.100	4 500	1500	{	L	0 4.2		1	6,000		102,900 57,000		0	0	0	0	0	0	0		50	be lo		2	0				0				50	2,100	0	0	006	0	5	1	2 INN'S	361,200 291.9	1.1	364.200 300,000			
2000	6	I	5,100	ł		0	0	0			0			21.000	14,100	0	5,100	0	0	40,200	-	50	20		2	0	0	0	0	0		1 400	1 200	1 500			0	0	3,080		200			١.	1.			
6661	18	10	0	29,400	12.000	006'6	6,300	6.300	17.100	0	6			22.500	-		0	9.300	14,100	45,900	A AWA	1000	12,000	1006.07		0	0	0	0		1000	low-F		0	0	2,100	10	0	0	1.800	0		373,800	105.300	479.100			:
861		0		.	1		006'9				0 0	0 98,400		0		5		0	0 0	21.60	0 25 800			25 80				5.10		0	ř.			0				0				NO'X		Ł.	0 385,500	1	· · .	
Expanded	1		900 17.100				008 61 0	0	00 28,800	8		195.90					5					10					500 2,700		4.50										0			2	8	8	700 940.200			
1.445		13.	12	32		0	0		0 25.5	12		242,100 238.5		22.200	8,400	•	3.000	0	0	33.600			50	10			10,								0 21								886.	13	899			
Number of Primary Pairs to be 1994   1905   1995	14 400	1	Ļ	21,300 26		24.300	15,600	11.100	17.700	0	0				0			S.100		36,600 33	1 600	14 000	00111	58 500		0	<u>ہ</u>	ō	0	2,100	10.00	AVK-1C		006	0	1,500	0	0	2,100	- I'ANI	1.200	1	870,900 967,800	107,400 3.	978,300 1,00			
	13 200		0	L			14,100		0		0			0	0	12,900	0	0		12,900	1	0	Ł	1		3,300	ŏ	4,500	6,300	0	4-6	- June	1000	20		0		0	0	5	0.00	1001-07	581,700	201.65	641.400		њ	•
Number of Primary Pairs Before 1993	48,100	62.350	54,200	31,500	47.750	26,800	17,700	12,200	11,500	13,800	18.100	724.700		23,500	2,800	3.600	1006	1500	8,400	40,700	1002 6 0	1008	5.600	25.100		2,400	13,200	2,300	1,800	1,700	1.800		1000	009	1,800	006	2,100	808	1,300	1000	1.000	N0.	2,482,675	100,4001	2,583,075			
Rechange	I AT PURAO	I T PIRAO 2	CHAENG WATTILAN	NONTILABURI	NOW WONG WYN	PAK KRET	PATHUM THANI	RANGSIT	THANYABURI	NAWA NAKION	BANG PIIUN	BMA & TOTAL		Nathon Pathom	Kamphaeng Saen	Nakhon Chaisi	Don Tum	Bang Len	(Sam Phran	Nakhon Pathom Total	Comm. Cabler	K within here	Ran Phares	Samir Sether Total		Ayuthaya I	Ayothaya 2	Bang Pa-in	Wang Noi	Phachi	Jaa Kua	Sera	Ranging	Bans Sai	Phak Hai	Bang Ban	Lat But Luang	Maharat	Nathon Loang		Bang Pahan	Ayuthaya Joini	BMA Total	Surrounding Area Told	Study Area Total			

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13-1 Expansion Volume of the Local Cable Pairs (2/2)

# 13-2 The Number of Circuits Between Exchanges in BMA in 1992 (1/20)

			1	2	3		5		7	8	9		11	12	
10	Switch Unit Name	ABBR	PNC1	PNC2	PNC3	ASD1			SRR1					<b>ККМ</b> З	
	Phloen Chit 1	PNC1	0	34		0	30		0		0		0		
	Phloen Chit 2	PNC2	37	0		0	30		0		0	·	0		
	Phloen Chit 3	PNC3	120	120	0	30	90	180	30	30	30		30		
	Asok Din Daeng 1	ASDI	0	0		0	90	0	0	0	0	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
	Asok Din Daeng 2	ASD2	30	30	**************************************		0		30	30	0				
	Sukhumwit I	SKW1	60	30	180	30	60			30	0		. 0		
	Samran Rat 1	SRR1	0	30	0		0	·	0		20				·
	Samran Rat 2	SRR2	0	0		0	0	· · · · · · · · · · · · · · · · · · ·		0	29		0		
	Samran Rat 3	SRR3	0	0			0		29	32	0		0		+
	Samran Rat 4	SRR4	0	0			30	<u> </u>	60		60	·····			
	Krung Kasem 2	KKM2	0	0			30		0		0				
	Krung Kasem 3	KKM3	30	30	1		60	t	30		0	· · · · · · · · · · · · · · · · · · ·	60		
	Samsen 1	SMS1	0	0			0		0		0		·····	· · · · · · · · · · · · · · · · · · ·	
	Samsen 2	SMS2	0	0			0				0			·	
	Pathum Wan 1	PFW1	0	0	+		0			· · · · · ·	0				
	Pathum Wan 2	PTW2	0	0	the second second		30			T	0				
	Surawong 1	SRW1	30	0	· · · · · · · · · · · · · · · · · · ·		30				0	+	· · · · · · · · · · · · · · · · · · ·		
	Surawong 2	SRW2	30	0	\$		30			·	0		· · · · · · · · · · · · · · · · · · ·		_
	Surawong 3	SRW3	30	0	f		30	f		<u> </u>	0		· · · · ·	+	
	Surawong 4	SRW4	30	30			30		t· · · · -		0				
	Surawong 5	SRW5	0	0			0				0		·		
	Chaiyaphruk 1	CYP1	0	0			0		A		0	· · · · · · · · · · · · · · · · · · ·			
	Chaiyaphruk 2	CYP2	0	0			0	*			0				
	Phra Khanong 1	PKG1	0	0			0	·····			0				
	Phra Khanong 2	PKG2	30	30	. 60	+	180	+			90	· · · · · · · · · · · · · · · · · · ·			4
	On Nut 1	ONTI	0	0	f			+	+		i	+	+		
	Trok Chan 1	TKC1	0	0	ł		·	+			· · · · · · · · · · · · · · · · · · ·				
	Trok Chan 2	TKC2	0	0	·								· · · ·		· · · · · · · · · · · · · · · · · · ·
	Thung Mahamek 1	TMM1	0	0			0		<u></u>						
	Thung Mahamek 2	TMM2	0	0						-	-	<u>+</u>			
	Sathupradit 1	STD1	0	0	ŧ	·	. 0		A						
	Sathupradit 2	STD2	0	0	• · · · · · · · ·		0				0	·			
	Thanon Tok 1	TNTI	0		f	÷	0				<u> </u>	· { · · · · · · · · · · · · · · · · · ·			
****	Thanon Tok 2	TNT2	0	0			0	****		+ • • • • • • • • • • • • • • • • • • •	. 0	·			
35	Khlong Toei 1	KTII	0	0		<u>}</u>	0	+	1			<u> </u>			
_	Hua Mak 1	HAM1	0	0			0	·			0	· <del>{</del>		· · · · · · · · · · · · · · · · · · ·	
	Hua Mak 2	HAM2	0	0	30	0	60	60			0	0 0	C		· · · · · · · · · · · · · · · · · · ·
38	Khlong Chan 1	KGCI	0	0									<u> </u>	· · · · · · · · · · · · · · · · · · ·	
	Khlong Chan 2	KGC2	0	0		· · · · · · · · · · · · · · · · · · ·		0	\$			+ · · · · · · · · ·			
	Khlong Chan 3	KGC3	. 0	0	0	0	0	0	+			0 0	c	) (	)
	Ramkamhaeng I	RKHI	0		0			0							
	Bang Chan 1	BGC1	0	0	0	·			-				<u> </u>		+
	Lat Krabang 1	LKG1	0	0	0	0	0	0				· • · · · · · · · · · · · · · · · · · ·	<u> </u>		
44	Bang Na 1	BNA1	0	0	0		0	0				0			_
45	Bang Na 2	BNA2	Ö						0	0		00	0		)
- 46	Bang Na 3	BNA3	0	Ó										· · · · · · · · · · · · · · · · · · ·	)
	Samut Prakan 1	SPK1	· · 0										<u></u>		)
48	Samut Prakan 2	SPK2	0		<u> </u>		0		0	0					)
49	Samut Prakan 3	SPK3	0		0								(		ו
50	Bang Pu 1	BPUI	- 0	· 0	0	0	0	0					+	) (	0
51	Pu Chao Saming Phrai 1	PSP1	0	0	0	Ö	0	0			0	) (		) (	0
		PSP2	0	0	0	0	. 0	0			0	) (		) (	0
	Bang Phli 1	BPL1	. 0			0		0		0		) (		0 (	0
	Bang Phli 2	BPL2	0	0							0	) 0			0
	Bang Phli Bang Bo I	BBB1	. 0				0		0	0	C	) C			0
	Thon Buri 1	TNB1	0		0	0				0	0				0
	Lat Ya T8	LTYT8	0	0											0
	Phasi Charoen 1	PSN1	0		1			1	1				+		0
	Phasi Charoen 2	PSN2	0												0
	Bang Phlat 1	BGTI	0		f			<u> </u>			· · · · · · · · · · · · · · · · · · ·		<u> </u>		0
	Bang Phiat 2	BGT2	0						4						0
	Bang Phlat 3	BGT3	0	-											0
	Bang Bue Thong 1	BBT1	0			+			a management and					ANY TAXA IN CONTRACTOR OF	0
	Bang Bue Thong 1	BBT2	0		1				+						0
								1							0
00	Charan Sanitwong 1	CSW1	0	0	1 0	9 O	0	1 U	, C	<u>, 0</u>	u	<u>д (</u>	<u> </u>	<u>'</u>	<u>.</u>

### 13-2 The Number of Circuits Between Exchanges in BMA in 1992 (2/20)

66 C 67 E 68 E 69 N 70 N 71 I 72 I 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 F 81 I 82 I	Switch Unit Name Charan Sanitwong 2 Bang Khae 1 Bang Khae 2 Vong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Skrachai 1 Skkachai 2 Sktachai 2 Phahonyothin 1 Phahonyothin 12 Phahonyothin 72 Inthamara 1	ABBR CSW2 BKE1 BKE2 NGK1 MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1 PYT2	PNC1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 PNC2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 PNC3 0 0 0 0 0 0 0 0 0 0 0 0 0	4 ASD1 0 0 0 0 0 0 0 0 0 0	5 ASD2 0 0 0 0 0 0 0 0 0 0 0 0 0	6 SKW1 0 0 0 0 0	7 SRR1 0 0 0 0	8 SRR2 0 0 0 0	9 SRR3 0 0 0 0	10 SRR4 0 0 0 0	11 KKM2 0 0 0 0	12 KKM3 0 0 0 390 0	13 SMS1 0 0 0 0 0
66 C 67 E 68 E 69 N 70 N 71 I 72 I 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 F 81 I 82 I	Charan Sanitwong 2 Bang Khae 1 Bang Khae 2 Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Ekkachai 1 Ekkachai 2 Ret Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	CSW2 BKE1 BKE2 NGK1 MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	000000000000000000000000000000000000000	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0 390	0
67 E 68 E 69 N 70 M 71 T 72 L 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 P 80 P 81 L 82 E	Bang Khae 1 Bang Khae 2 Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Bikachai 1 Bikkachai 2 Ret Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	BKE1 BKE2 NGK1 MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 390	
68 E 69 N 70 N 71 I 72 L 73 P 74 P 75 E 76 E 76 E 77 R 78 P 79 P 80 P 80 P 81 I 82 I	Bang Khae 2 Nong Khaem 1 Muban Seuakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 1 Phra Pradaeng 2 Ekkachai 1 Ekkachai 2 Ret Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	BKE2 NGK1 MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1		0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0	0	0	0	0	0	0	0 390	<u> </u>
69 N 70 N 71 I 72 L 73 P 74 P 75 E 76 E 76 E 77 R 78 P 79 P 80 P 80 P 81 I 82 I	Nong Khaem 1 Yuban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 1 Phra Pradaeng 2 Ekkachai 1 Ekkachai 2 Ret Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	NGK1 MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1		0 0 0 0 0	0 0 0 0	0 0 0	0	0	0	0	0	0	0	390	<u> </u>
70 M 71 I 72 L 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 P 81 I 82 I	Vuban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 1 Phra Pradaeng 2 Bikachai 1 Bikkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1		0 0 0 0	00000	0 0 0	0	0							
71 [ 72 [ 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 F 81 I 82 I	Dao khanong 1 Dao khanong 2 Phra Pradaeng 1 Phra Pradaeng 2 Bikachai 1 Bikkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1	0 0 0 0 0	0 0 0	0 0 0	0	0		U.	v				<b>V</b> 1	0
72 L 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 P 80 F 81 Ii 82 Ii	Dao Khanong 2 Phra Pradaeng 1 Phra Pradaeng 2 Ekkachai 1 Ekkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1	0 0 0 0	0 0 0	0	0		U	0	0	0	0	0	0	0
73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 P 81 Ii 82 Ii	Phra Pradaeng 1 Phra Pradaeng 2 Ekkachai 1 Ekkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	PPG1 PPG2 EKC1 EKC2 RBN1 PYT1	0 0 0	0	0			· · · · · · · · · · · · · · · · · · ·	0	0	0	0	0	0	
74 P 75 E 76 E 77 R 78 P 79 P 80 P 81 II 82 I	hra Pradaeng 2 Ekkachai 1 Ekkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	PPG2 EKC1 EKC2 RBN1 PYT1	0 0 0	0		0		0			0	0	0	0	0
75 F 76 F 77 R 78 P 79 P 80 F 81 H 82 H	ikkachai 1 Ikkachai 2 Ikt Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	EKC1 EKC2 RBN1 PYT1	0		·	······	0	0	0	0		0		0	0
76 E 77 R 78 P 79 P 80 F 81 I 82 I	ikkachai 2 Art Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	EKC2 RBN1 PYT1	0	0			0	0	0	0	0		0		·····
77 R 78 P 79 P 80 P 81 I 82 I	Rt Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	RBN1 PYT1	· · · · · ·		0	0		0	0	0	0	0	0	0	0
78 P 79 P 80 P 81 I 82 I	Phahonyothin 1 Phahonyothin 2 Phahonyothin T2	PYTI	. 0	0	0	0	0	0	0	0	0	. 0	0	0	0
79 P 80 P 81 I 82 I	hahonyothin 2 hahonyothin T2			0	0	0	. 0	0	0	. 0	0	0		0	0
80 P 81 I 82 I	hahonyothin T2	PYT2	0	0	30	0	30	0	0	0	0	0	0	0	0
81 I 82 I			0	0	0	0	0	0	0	0	0	0	0	0	0
82 I	nthamara 1	PYTT2	0	0	30	390	510	30	30	30	30	30	30	30	- 30
	1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 (	ITM1	0	0	0	30	0	0	0	0	0	0	0	0	0
0210	nthamara 2	ITM2	0	0	0	0	30	30	0	0	0	0	0	0	0
33,5	Bang Khen I	BGN1	0	0	0	0	0	0	0	0	0	0	0	0	0
84 F	Bang Khen 2	BGN2	0	0	. 0	0	0	0	0	0	0	0	0	0	. 0
	at Phrao 1-1	LTP1-1	0	0	0	0	0	0	0	0	0	· · 0	0	0	0
861	at Phrao 1-2	LTP1-2	0	0	30	0	30	30	0	0	0	0	0	0	0
87 [	at Physo 2-1	LTP2-1	0	0	0	0	Q	0	. 0	: 0	0	0	0	0	0
	at Phrao 2-1	LTP2-2	0	0	0	0	30	0	0	0	÷ 0	. 0	0	0	0
	Don Muang 1	DNM1	0	0	0	0	0	0	0	0	0	0	0	0	0
~~~~	Don Muang 2	DNM2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vawa Nakhon 1	NWNI	0	0	0	Ő	0	0	0	0	0	0	Ō	0	0
	Sang Su 1	BGS1	0	0	0	0	- 0	0	Ū.	0	o	0	Ő	0	0
		BGS2	0	0	0	0	0	0	0	0	0	0		0	0
	Bang Su 2	NWW1	0	0	0	0	0	0	0	0	0	0	o	0	0
	Ngam Wong Wan 1				0	0		0	0	0	0	0	0	0	0
	Vgarn Wong Wan 2	NWW2	0	0		0				0	0	0	0	0	0
	Vonthaburi 1	NTB1	0	0	0	·	0	0	0			0			
	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	0		0	0	0
	ak Si 1	LKS1	0	0	0	0	0	.0	0	0	0	0	0		0
	.ak Si T4	LKST4	30	30	60	60	90	60	90	90	90	. 90	150	30	90
	.ak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0
103 R	Ram Inthra 1	RITI	0	0	0	0	0	0	0	0	. 0	0	0	0	0
104 8	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	30	0	0	0	0
105 P	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0
106 P	Pathum Thani 1	PITI	· 0	0	0	0	0	0	0	0	· · · 0	0	0	0	. 0
107 8	Bang Phun 1	BANI	0	0	0	0	0	0	0	0	0			0	0
	Chaeng Watthana 1	CWTI	0	0	0	0	0	0	0	0	0	0	0	0	0
109 K	(rung Kasem T(XB)	ККТА	0	0	0	.0	30	0	120	120	120	0	114	0	150
	Krung Kasem T1	KKT1	0	0	0	. 0	0	0	30	30	30	270	90	0	30
	hahonyothin T(XB)	ΡΥΤΑ	0	0	0	• 0	0	0	0	0	0	0		0	0
	Phloen Chit T3	PLT3	510	510	720	30	60	630	60	60	90	60	90	0	30
	hon Buri T(XB)	TNBTA	0	0	0	0		0	30	30	30			0	0
	Surawong T(XB)	SWTA	- o	0	0	0		Ó	30	30	30	0		0	0
	ak Si TC	LSTC	0	0	0	0	- o	0	60	60	30	150		90	0
		PNTC	0	0	0	30	150	0	0	0	0	0		0	0
									0	0	0	0		0	0
	.at Ya TC	LYTC	60	30	210	0		.90	0						غده خر ـــــر ــــــ
		LSIT	0	0	0	0		0		0	0			30	0
	hra Khanong Internation		0	0	0	0	· · · · · · · · · · · · · · · · · · ·	0	0	0	0	0		0	
120 L	at Ya International	LYIT	0	0	60	0	0	30	0	0	0	0	0	0	0
	l'otal		1,027	904	2,280	810	i	2,400	990	873	799	1,290	834	690	480

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (3/20)

0	Switch Unit Name	ABBR	SMS2	PTWI	PTW2	SRW1	SRW2	SRW3	SRW4	SRW5	CYP1	CYP2	PKGi	PKG2	ONT
1	Phioen Chit 1	PNC1	0	0		0	0	0	30	0					010
_		PNC2	0	0							0	0	0	150	
		and the second second	·····			0	0	0	30	0	0	0	0	120	
	Phloen Chit 3	PNC3	- 0	0		90	60	60	120	0	30	30	0	210	
4	Asok Din Daeng 1	ASD1	. 0	0	0	0	0	0	0	0	0	0	0	0	{
	Asok Din Dacng 2	ASD2	0	0	30	30	30	30	30	0	0	0	- v	210	
	Sukhumwit 1	SKW1	0	0		60									
						· · · · · · · · · · · ·	60	30		0	60	60	0	210	
	Samran Rat 1	SRR1	0	0	0	0	0	0	0	0	0	. 0	0	60	İ
8	Samran Rat 2	SRR2	0	0	0	0	0	0	0	0	0	0	0	60	
9	Samran Rat 3	SRR3	0	0	0	0	0	0	0	·	0	Ō	0		
_													· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	ļ
	Samran Rat 4	SRR4	0	0	30	30	30	0	30	. 0	0	0	0	150	
11	Krung Kasem 2	KKM2 🗄	. 0	. 0	0	0	0	0	0	0	0	0	0	60	
	Krung Kasem 3	ККМ3	0	0	1 O	30	0	0	1	0	0				
		SMS1	30	Ŏ		+							·		├ ──・
_	Samsen 1		1			0		0	0	0	0	0	h		
14	Samsen 2	SMS2	0	0	0	- 0	0	0	0	0	0	0	0	30	1
15	Pathum Wan 1	PTW1	0	. 0	30	0	. 0	0	0	0	0	0	0	30	
	Pathum Wan 2	PTW2	. 0	30			0	0	·	0	0	0			
		······	f					· · · · · · · · · · · · · · · · · · ·	+.~						h
	Surawong 1	SRW1	0	0			. 52	40	90	-30	. 0	0	0	150	Í
18	Surawong 2	SRW2	. 0	0	0	50	0	38	60	30	0	0	30	150	1
	Surawong 3	SRW3	0	0	0	48	36	0		30	0	0			<u>⊦</u>
										ŧ		·			<u> </u>
	Surawong 4	SRW4	0	0	L		90	60			0		+	+	ļ
21	Surawong 5	SRW5	0	0	+	30	30	30	30	0	0	0	0	30	
22	Chaiyaphruk 1	CYPI	0	0	0	0	0	0	0	0	0	60	0	270	
	Chaiyaphruk 2	CYP2	0	0		0	0	0	f			0	÷		
			·								60	<u>}</u>			
	Phra Khanong 1	PKG1	. 0	0	·	0	0	0		0	0	0	غىمە كە	240	L
25	Phra Khanong 2	PKG2	30	60	90	150	90	90	60	0	480	450	330	0	4
	On Nut 1	ONT1	0	0	+	0		0	<u> </u>	<u></u>	0				1
								· · · · · · · · · · · · · · · · · · ·	+				<u>}</u>	+	· · ·
	Trok Chan 1	TKC1	0	. 0	0	0	0	0	0	0	0	0	0	30	1
28	Trok Chan 2	TKC2	. 0	0	0	0	0	0	1 0	0	0	0	0	60	
	Thung Mahamek 1	TMM1	. 0	0	0	0	0	0	0	0	0				
			·		+										<u> </u>
	Thung Mahamek 2	TMM2	0	0		Ó	0	0		0	0				ļ
31	Sathupradit 1	STD1	0	· Q	0	0	0	0	{ 0	0	. 0	ļo	{ 0	0	ţ.
32	Sathupradit 2	STD2	0	. 0	0	0	0	. 0	0	0	0	ō	0	60	
	Thanon Tok 1	TNT1	0	0			0	0		0	0	t			
			•				·				*				
34	Thanon Tok 2	TNT2	0	. 0	0	0	0	0	0	0	0	. 0	0	60	
35	Khlong Toei 1	KTH	0	0	1.0	0	0	0	30	0	0	0	0	150	{
	Hua Mak 1	HAM1	0	0	0	0		0	† ··· ···	0	0				1
			····			t · · · · · ·			-				<u> </u>		
	Hua Mak 2	HAM2	0	0	+		0	0			0	· · · · · · · · · · · · · · · · · · ·	_		· · · · · ·
38	Khlong Chan 1	KGC1	0	0	0	0	0	0	[0	0	0	0	0	300	
	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	0	0	270	
			· · · · · · · · · · · · · · · · · · ·		+				t		· · · · · · · · · · · · · · · · · · ·			f	
	Khlong Chan 3	KGC3	0	0	+		0	0	*****	1	.0				
	Ramkamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	150	
42	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	-150	
			. 0		0	<u> </u>			<u> </u>				t o		
	Lat Krabang 1	LKGI		0	t		0	0			0				+
	Bang Na 1	BNA1	0	0	0	0	0	0			0		and a second		L
	Bang Na 2	BNA2	0	0	0	0	0	0	0	0	0	0	0	300	
	Bang Na 3	BNA3	ç	0		0		Ö			0		1	· · · · · · · · · · · · · · · · · · ·	
			0		<u>+</u>										
	Samut Prakan 1	SPK1	0	0	0	0	0	0			0				
48	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	90	
	Samut Prakan 3	SPK3	0	0		0		Ō	1		0	f			
	Bang Pu 1	BPU1	0	0		0	0	. 0			0	******		150	
51	Pu Chao Saming Phrai 1	PSP1	0	. 0	0	0	0	0	0	0	0	0	0	240	4
		PSP2	0	0	· · · · · · · · · · · · · · · · · · ·	0	0	0	h	0	0	0		÷	1
							0		<u></u>			+	·		_
	Bang Phli 1	BPL1	0	0	1	0		0			0				
54	Bang Phli 2	BPL2	-0	0	0	0	0	0	0	0	0	0			1
	Bang Phli Bang Bo 1	BBB1	0	0	France of the second	. 0	0	0	0	0	0	0			
	Thon Buri 1			.0		0	0	0			0	+			
-0	LION DUN I	TNB1	0												_
57	Lat Ya T8	LTYT8	30	60	60	60	60	· 60			. 0		<u> </u>		1
	Phasi Charoen 1	PSN1	0	. 0		. 0	0	0	0	0	0	0	0	0	1
	Phasi Charoen 2	PSN2	. 0	0	· · · · · · · · · · · · · · · · · · ·		0	0	1		0				
	Bang Phlat 1	BGT1	0	0	0	0	0	0	0		0	0			
	Bang Phlat 2	BGT2	0	0	**************************************	0	0	. 0	0	0	0	0	0	150	1
62	Bang Phlat 3					0	0	0		· · · · · · · · · · · · · · · · · · ·	0	+	+		1
		BGT3	0	0		·						· · · · · · · · · · · · · · · · · · ·			
63	Bang Buc Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	00	00	1
64	Bang Bue Thong 2	BBT2	0	0	0	0	0	Ő	0	0	0	Ó	0	0	,
	Charan Sanitwong 1	CSW1	0	0											
			. 01	. 0	i ()	. 0	1 0	i D	, 0	i Ü	. 0	i 0	. 0	. 0	4

	<u> </u>	<u>r</u> *	14	15	16	17	18	19	20	21	.22	23	24	25	26
NO	Switch Unit Name	ABBR	SMS2	PTW1				SRW3	SRW4	SRW5	CYPI	CYP2	PKG1	PKG2	ONLI
	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	60	0
	Bang Khae 1	BKEI	0	0	0	0	. 0	0	0	0	0	0	0	0	0
		BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	30	0
	Muban Settakit 1	MSK1	. 0	0	0	0	Ó	. 0	0	0	0	0	0	30	0
	Dao khanong 1	DKN1	0	0	0	0	0	0	0	0	0	0	0	30	0
	Dao khanong 2	DKN2	Ö	0	0	0	. 0	0	0	0	0	0	0:	0	0
	Phra Pradaeng 1	PPG1	0	0	.0	0	0	0	Q	0	0	0	0	Q	0
	Phra Predaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	60	0
	Ekkachai l	EKC1	0	0	0	0	0	0	0	0	0	0	0	60	0
	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rat Burana 1	RBNI	0	0	0	0	0	0	0	0	0	0	0	60	0
	Phahonyothin 1	PYT1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Phahonyothin 2	PYT2	0	0	0	0	0	0	0	Ó	0	0	0	30	0
	Phahonyothin T2	PYIT2	0	30	30	30	30	30	0	0	0	• • 0	0	180	0
	Inthemara 1	птмі	0	0	0	0	0	0	0	0	0	0	. 0	60	0
	Inthamara 2	ГГМ2	0	0	0	0	0	0	0	0	0	0	0		0
	Bang Khen 1	BGN1	0	ຄ	0	0	0	0	0	0	0	0	0	30	0
	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	60	450
	Lat Pirzo 1-1	LTP1-1	0	0	0	0	0	0	0	Ō	0	0	0	30	0
	Lat Phreo 1-2	LTP1-2	0	0	.0	0	Ó	0	0	0	0	0	0	150	0
	Lat Phrao 2-1	LTP2-1	D	0	0	0	0	Ó	0	0	0	0	0	0	0
88	Lat Phrao 2-1	LTP2-2	0	0	0	0	0	0	0	0	0	. 0	0	150	0
	Don Muang 1	DNM1	0	0	0	0	0	0	0	0	0	· 0	. 0	0	0
	Don Muang 2	DNM2	0	0	Õ	0	0	0	0	. 0	0	0	0	60	0
	Thanyaburi I	TYBI	0	0	0	0	0	0	0	Ó	· 0	0	0	0	0
	Rangsit 1	RSTI	0	0	Ó	0	0	0	0	0	. 0	0	0	. 0	0
	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	90	0
	Bang Su 1	BGS1	Ö	0	0	0	0	0	0	0	0	0	0	30	0
	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	30	0
	Ngam Wong Wan 1	NWW1	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	Ngam Wong Wan 2	NWW2	0	0	0	0	.0	0	0	0	0	0	0	60	0
98	Nonthaburi I	NTB1	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nonthaburi 2	NTB2	0	0	Ó	0	0	0	0	0	0	0	0	30	0
100	Lak Si 1	LKSI	0	0	0	0	0	0	0	0	0	0	0	30	0
101	Lak Si T4	LKST4	60	60	90	90	90	60	30	Q	0	0	0	210	0
102	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ram Inthra 1	RITI	. 0	0	0	0	0	0	0	0	0	0	0	0	0
104	Ram Inthra 2	RIT2	0	0	0	. 0	0	0	0	0	0	0	0	0	0
105	Pak Kret 1	PKK1	0	0	-0	Ö	0	0	0	0	0	0	0	- 30	0
106	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	30	90
	Bang Phun 1	BANI	-0	Û	0	0	0	0	• 0	0	0	0	0		0
	Chacng Watthana 1	CWTI	0	0	0	0	0	0	0	0	0	0	0	60	0
	Krung Kasem T(XB)	ккта	0	150	0	30	30	30	0	0	0	0			0
	Krung Kasem T1	KKTI	150	0	210	30		30		0	0	0	0	30	0
	Phahonyothin T(XB)	ργτα	0	0	0	0		0			0	0	·		0
	Phloen Chit T3	PLT3	30	90	60	60	90	60		210	0	0	and the second second second		0
	Thon Buri T(XB)	TNBTA	0	0	0	0		0			0	0	0	120	0
	Surawong T(XB)	SWTA	0	0	30	154	153	166	· · · · · · · · · · · · · · · · · · ·		0	0	0	60	Q
	Lak Si TC	LSTC	0	30	90	0	0	0	*		0	0			0
	Phra Khanong TC	PNTC	0	0	0	0		0			30			· · · · · · · · · · · · · · · · · · ·	60
	Lat Ya TC	LYTC	- Ŭ	.0	0	60	60	60			0	0	****	§	0
	Lak Si International	LSIT	0	0	0	0	0	0		·	0				0
	Phra Khanong Internation		0	0	0	0		0	1	+i	0	0	·····		Ŭ 0
	Lat Ya International	LYIT	0	0	0	30	30	-30	f	0	0	0			0
.20	and the investor of the		`										<u> </u>		
	Total	<u> </u>	330	510	870	1,152	1,081	904	1,620	360	660	660	450	11,190	1,230
	[* veti	L.,		510	0.0		1,001	204			<u> </u>	L			<u> </u>

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (5/20)

	Switch Unit Name	ABBR	27 TKC1			30 TMM2				34 TNI2	35 KTH	36 HAM1	37 HAM2	38 KGC1	3 <u>KGC</u>
	and the second s	PNC1	0	0	0	0	0	0	0	0	0	0	. 0	0	
2	Phleen Chit 2	PNC2	0	0	0	0	0	0	0	0	0	0	0	0	
3	Phloen Chit 3	PNC3	0	30	30	. 0	0	0	0	0	30	30	60	0	3
4	Asok Din Dacng 1	ASD1	0	0	0	0	0	0	0	0	0	0	0	0	
5	Asok Din Daeng 2	ASD2	0	0	0	0	0	0	0	0	0	0	60	0	
6	Sukhumwit 1	SKWI	0	0	0	0	0	0	Ó	0	60	30	60	0	:
- 7		SRR1	0	0	0	0	0	0	0	0	0	0	0	0	
8		SRR2	0	0	0	0	0	0	0	0	0	0	0	0	
	Samran Rat 3	SRR3	0	0	0	0	0	0	0	0		0	0	0	
	Samran Rat 4	SRR4	0	·····	0	0	0	0						0	
	Contraction of the local data and the local data an	KKM2	0		Ō		0		<u></u>	0	0			0	
	Krung Kasem 3	KKM3	0						+				· · · · · ·	0	
	Samsen 1	SMS1		t	0		0	0		0	0	0		0	····
		SMS1 SMS2			0	0	0	·	·	0	· · · · ·			0	
	Samsen 2		0				· · · · · · · · · · · · · · · · · · ·			ł	\$	\$	· · · · · · · · · · · · · · · · · · ·		
	Pathum Wan 1	PIWI						+		÷	0			0	
	Pathum Wan 2	PTW2	0	·····			0	0	f	0	0	0		0	
	Surawong 1	SRW1	0				0			·				0	
	Surawong 2	SRW2	0				<u>~</u>				0		<u></u>	0	
`	Surawong 3	SRW3	0					L		0	0	0		0	
	Surawong 4	SRW4	0		L				+			+		0	
21	Surawong 5	SRW5	0	1			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	0	0	0			0	
22	Chaiyaphruk 1	CYP1	0	0	0	0	0	0	0	0	0	90	. 0	0	
	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	30	0	
	Phra Khanong 1	PKG1	0	0	0	0	Ő	0	0	0	0	0	.0	0	
	Phra Khanong 2	PKG2	60	30	60	0	30	0	30	0	60	390	660	390	1
	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	30	0	
	Trok Chan 1	TKCI	:0			+	11	0	+		0	0	0	0	
	Trok Chan 2	TKC2	30					· · · · · ·	*****					0	
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	Thung Mahamek 2	TMM2	0		t	+	· · · · · · · · · · · · · · · · · · ·							Ő	
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	Sathupradit 2	STD2		· · · · · · · · · · · · · · · · · · ·	F		+					1		0	
	Thanon Tok 1	TNTI	0							4					
34	Thanon Tok 2	TNTZ	0				·	· · · · · · · · · · · · · · · · · · ·		· · · ·				0	
	Khlong Toei 1	KTII .	0	t										0	
36	Hua Mak 1	HAMI	0	·				· · · · · · · · ·						0	
37	Hua Mak 2	HAM2	0	· · · · · · · · · · · · · · · · · · ·						+ · · · ·			+	0	Ļ
38	Khlong Chan 1	KGC1	0	0	0	0	1	+· · · · · · · · · · · · · · · · · · ·	0	0	0		<u></u>	0	:
39	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0				L
	Khlong Chan 3	KGC3	0	. 0	0	0	0	0	0	0	0	00	0 0	30	
	Ramkamhaeng 1	RKHI	0	0	0	0		0	0	[0	0	0	0 0	0	ļ.,,
42	Bang Chan 1	BGC1	0	0	0	0	0	0	0	C	0		0 0	0	
	Lat Krabang 1	LKG1	0		0	+					0	0 0	0 0	0	
	Bang Na 1	BNA1	0				· · · · · · · · · · · · · · · · · · ·			C				1	1
	Bang Na 2	BNA2	0							4 mm					+
	Bang Na 3	BNA3	0					+	-{	+					+
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	Samut Prakan 1	SPK1													· •
	Samul Prakan 2	SPK2	0					+		+				1	_
	Samut Prakan 3	SPK3	0					_							4
	Bang Pu 1	BPUI	0												
		PSP1	0			+									
		PSP2	0												
	Bang Phli 1	BPLI	0				1				+			·	-t
54	Bang Phli 2	BPL2	0							+	-t			÷	
	Bang Phli Bang Bo 1	BBB1	G) (<u> </u>		0 0	· •	-
	Thon Buri 1	TNB1	0			0) () 0		L			0 0	1	
	Lat Ya T8	LTYT8	60						30			0 0		+	÷
	Phasi Charoen 1	PSNI	0) (0 0) 0	1
	Phasi Charoen 2	PSN2) (0 0	0 0)
	Bang Phiat 1	BGT1	0		+								0 0	+	-
													0 30		
	Bang Phlat 2	BGT2							+						- <u>†</u>
	Bang Phlat 3	BGT3							<u>+</u>					·	-t
	Bang Bue Thong 1	BBT1	<u> </u>												
	Bang Bue Thong 2	BBT2													
~ ~	Charan Sanitwong 1	CSW1	1 0) (H () (н () () (0 (0 0		н –

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (6/20)

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NO	Switch Unit Name	ABBR	TKCI	TKC2	TMM1		STD1	STD2	TNTI	TNT2	KTII	HAMI	HAM2	KGC1	KGC2
	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	0	(
	Bang Khae 1	BKEI	.0	0	0	0	0	-0	0	0	0	0	0	0	<u> </u>
	Bang Khae 2	BKE2	0	0	G	0	0	0	0	0	0	0	0	0	
	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	. 0	0	0	0	0	(
_	Muban Settakit 1	MSK1	0	-0	0	0	0	0	0	0	0	0	0	0	<u> </u>
71	Dao khanong 1	DKN1	0	0	0	0	0	0	0	0	0	0	0	0	(
72	Dao khanong 2	DKN2	0	0	0	0	<u> </u>	0	0	0	0	0	0	0	· (
73	Phra Pradaeng 1	PPG1	0	0	0	0	0	0	0	0	f	0	0	0	<u> </u>
	Phra Pradaeng 2	PPG2	0	.0	0	0	0	0	0	0	0	0	0	0	· · · · ·
75	Ekkachai 1	EKCI	0	0	0	0	0	Ò	0	0		0	يتسمع وجب مستعج	0	
	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	(
_	Rat Burana I	RBNI	0	0	0	0	0	0	0	0	0			0	<u> </u>
	Phahonyothin 1	PYT1	0	0	0	0	0	0	0	0	0	0	0	0	
and the second se	Phahonyothin 2	PYT2	0	0	0	0	0	0	0	0			<u>`</u>	0	
	Phahonyothin T2	PYTI2	0	0	0	0	0	0	0	0	0	free-rooming		0	
	Inthamara 1	ITM1	0	0	0	0	<u>.0</u> 0	0	0	0	<u>م</u> ند			0	
	Inthamara 2	ITM2	0	0	0	0	0	0	· · · · · · · · · · · · · · · · · · ·	0			L		+
	Bang Khen 1	BGNI	0	0	0	0	0	0	0	0		0		0	
	Bang Khen 2	BGN2	0	0	0	0	0	.0	0	0				0	
	Lat Phrao 1-1	LTP1-1	0	0	0	0	0	:0	0	0	0			0	
	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0		0		0	
	Lat Phrao 2-1 Lat Phrao 2-1	LTP2-1 LTP2-2	0	0	0	0	0	0	0	0				0	
	Don Muang 1	DNM1	0	0	0	0	0	.0	0	0	ļ				
	Don Muang 2	DNM2	0	0	0	0	0	0	0	0				0	
*****	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	i	0			- (
	Rangsit I	RST1	0	0	0	0	0	0	0	0	ŧ	+			<u> </u>
	Nawa Nakhon I	NWNI	0	0	0	0	0	0	.0	0			· · · · · · · · · · · · · · · · · · ·	0	C
	Bang Su I	BGS1	0	0	0	- Õ		0	0	0				0	
	Bang Su 2	BOS2	0	0	0	0	0	0	0	0	0			0	
	Ngam Wong Wan I	NWW1	0	0	0	0	0	0	0	0	0	0	0	0	(
	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	0	0	0	0	(
	Nonthaburi 1	NTB1	0	0	0	0	0	0	0	.0	0	0	0	0	(
	Nonthaburi 2	ΝΓΒ2	0	0	0	0	0	0	0	0	0	. 0	0	0	6
	Lak Si 1	LKSI	0	0	0	0	0	0	0	0	0	0	0	0	(
	Lak Si T4	LKST4	30	0	30	0	.0	0	0	. 0	0	. 0	60	30	30
	Lak Si 2	LKS2	0	0	0	0	0	0	0	- 0	0	0	0	0	0
	Ram Inthra 1	RITI	0	0	Q	0	0	0	0	0	0	0	0	0	0
	Ram Inthra 2	RIT2	0	- 0	0	0	0	0	0	0	0	0	0	0	(
105	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	(
106	Pathum Thani 1	PTTI	0	0	0	0	0	0	0	0			1		
107	Bang Phun 1	BANI	0	0	0	0	0	0	0	0	0	0	0	0	
108	Chaeng Watthana 1	CWTI	Q	0	0	0	0	0		0	0	0	0	0	(
109	Krung Kasem T(XB)	KKTA	0	0		0	0	0	0	0	0	0			
110	Krung Kasem T1	KKTI	0	150	30	0	0	0	0	0	0	0	0	0	
111	Phahonyothin T(XB)	PYTA	0	0	0	0	0	0	0	0	0	0	0	0	
112	Phloen Chit T3	PLT3	120	30	60	270	30	360	60	360	450	0	0	. 0	
113	Thon Buri T(XB)	TNBTA	0	0	0	0	0	0		0			<u> </u>	0	
114	Surawong T(XB)	SWTA	180	0	150	0		0		0		*	÷		
115	Lak Si TC	LSTC	0	30	0	0		0							
	Phra Khanong TC	PNTC	0	0	0	0	0	0		0	·			0	3(
	Lat Ya TC	LYTC	0	0	0	0	0	30	. 0	30	30	0	0	0	·
	Lak Si International	LSIT	0	30	. 0	0	0	0	0	0	0	0	0	0	
119	Phra Khanong Internatio		0	0	0	0	0	0	0	0	0	0	0	0	
	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	0	1
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13-2 The Number of Circuits Between Exchanges in BMA in 1992 (7/20)

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13-2 The Number of Circuits Between Exchanges in BMA in 1992 (8/20)

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NO	Switch Unit Name	ABBR	KGC3		BGC1	LKGI	BNA1	BNA2	BNA3	SPK1	SPK2	SPK3	BPUI	PSP1	PSP2
	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bang Khac 1	BKEI	Ő	0	0	0	0	0	0	. 0	0	0	0	0	0
	Bang Khae 2	BKE2	0	0	ō	0	0	0	0	0	0	0	0	0	0
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	Nong Khaem 1		0	0	0	0	0	0	0	. 0	0	0	0	0	0
	Muban Settakit 1	MSK1		0	0	0	0	0	.0	0	0	0 0	0	0	0
	Dao khanong 1	DKN1	0	0		0	0	0	0	0	0	0	0	0	0
	Dao khanong 2	DKN2	0				0	.0	0	0	0	0	0	0	0
	Phra Pradaeng 1	PPG1	0	0	0	:0		·			0	0	0	0	0
	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	
· · · · ·	Ekkachai 1	EKCI	0	0	0	0	0	0	0	0	خست مسم	·			
	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Rat Burana 1	RBNI	0	0	-0	0	0	. 0	0	0	0	0	0	. 0	
78	Phahonyothin 1	PYT1	0	0	0	.0	0	0	0	0	0	0	0	0	. 0
79	Phahonyothin 2	PYT2	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Phahonyothin T2	PYTI2	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Inthamara 1	ггмі	0	0	0	0	0	0	0		0	0	0	.0	0
82	Inthamara 2	ITM2	0	0	0	0	Q	<u></u> 0	0	90	60	0	0	0	0
	Bang Khen 1	BGN1	0	0	0	0	0	0	0	0		0	0	0	0
	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	· · · 0	0
	Lat Phrao 1-1	LTP1-1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lat Phrao 2-1	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Don Muang 1	DNM1	0	0	0	0	0	0	 0	0	0	0	0	0	0
		DNM2	0	0	0	0	0	0	0	0	0	ů.	0	Ő	
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	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	9	0	0	0	0
96	Ngam Wong Wan 1	NWW1_	0	0	0	0	0	0	0	0	.0	0	0	0	0
97	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nonthaburi 1	NTB1	0	0	· 0	0	0	0	· Q	0	0	0	0	0	0
99	Nonthaburi 2	NTB2	0	0	-0	0	0	0	0	0	0	Ó	:0	· 0	0
100	Lak Si 1	LKS1	0	0	0	0	0	0	0	0	. 0	0	0	0	0
101	Lak Si T4	LKST4	0	0	390	0	0	0	0	0	0	0	0	0	0 1.1
	I.ak Si 2	LKS2	0	0	0	.0	.0	0	0	0	0	Ø	0	0	0
	Ram Inthra 1	RITI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ram Inthra 2	RIT2	.0	0	0	0	0	0	0	0	0	0	0	0	0
	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	Ō	0	0	0	0
	Pathum Thani 1	PTTI	0	- Ŭ	0	0	Q	0	0		0	0	0	0	0
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~														
	Bang Phun 1	BANI	0	0		0		0	0			0	0	0	
	Chaeng Watihana 1	CWT1	0	0	0		0		0						
	Krung Kasem T(XB)	KKTA	0	0	0	0	0	0	0	· · · · · · · · · · · · · · · · · · ·	0	0	0	0	
	Krung Kasem T1	KKT1	0	0	0	0	0	0	0			0		0	0
	Phahonyothin T(XB)	ργτα	0	0				0	0			0	0	· · · · · · · · · · · · · · · · · · ·	·
	Phleen Chit T3	PLT3	0	: 0	0	.0		0	0			0			
	Thon Buri T(XB)	TNBTA	0	0	0	0		-0	0	·		. 0	0		F
114	Surawong T(XB)	SWTA	0	0		0		0				0	0	0	
	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	Phra Khanong TC	PNTC	0	. 0	0	0	0	30	.0	0	0	0	0	0	
	Lat Ya TC	LYTC	0	0	0	0	0	0	0			. 0	0	0	·····
	Lak Si International	LSIT	0	0	. 0	0	0	0	0		<u> </u>	0	0	0	n
	Phra Khanong Internation		0	· · · · · · · · · · · · · · · · · · ·	0	0	· · · · · · · · · · · · · · · · · · ·	0							
	Lat Ya International	f	0	0	0	0	0	0	0		• • • • • • • • • • • • • • • • • • •	0	0		
120		LYIT		0	<u>-</u>	<u>°</u>				<u>├</u> Ŭ		⁰	°		
	71					100		100				100	150	163	
	Total	L	330	150	420	150	521	420	210	304	240	180	150	463	510

# 13-2 The Number of Circuits Between Exchanges in BMA in 1992 (9/20)

0V	Switch Unit Name	ABBR	BPL1	BPL2	BBB1	TNB1	LTY18	PSN1	PSN2	BGT1	BGT2	62 BGT3	63 BBT1	64 BBT2	65 CSW1
1	Phloen Chit 1	PNC1	0	0	0			0			0	0			
2	Phloen Chit 2	PNC2	0	+	Ő			0	i				+		
م ضغیب	Phloen Chit 3	PNC3	Ŏ						· · · · · ·	·		0		0	(
	and the second se	L			0		+	0		0	60	0	0		(
	Asok Din Daeng 1	ASDI	0		0	0	0	0		0	0	0	0	0	
	Asok Din Daeng 2	ASD2	0		0		1	0	0	0	30	0	0	0	(
	Sukhumwit 1	SKW1	30	0	0	0	· 0	0	0	0	30	0	0	0	(
.7	Samran Rat 1	SRR1	0	0	0	0	60	0	0	0	0	0	0		(
8	Samran Rat 2	SRR2	. 0	0	0	0	60	0	0			0			;
	Samran Rat 3	SRR3	0		0			0			i o	0			
	Samran Rat 4	SRR4	0		Ő		·	0						+	ļ
											·····	0		+	
	Krung Kasem 2	KKM2	0	0	0	0		0		i	0	0	f	0	(
	Krung Kasem 3	KKM3	0	[	0	0		0	0	0	30	0	0	0	(
13	Samsen 1	SMS1	0	0	0	0	30	0	0	0	0	0	0	0	(
14	Samsen 2	SMS2	l o	0	0	0	30	0	0	0	0	0	0	0	1
15	Pathum Wan 1	PTW1	0	0	0	0		0	0	0	0	0			i c
	Pathum Wan 2	PTW2	0	0	0	· · · · · · · · · · · · · · · · · · ·		Ő	· · · · · · · · · · · · · · · · · · ·	0		0			
	Surawong 1	SRW1	0	0	0	· · · · · · · · · · · · · · · · · · ·									
	and the second sec			ł				0			0				(
	Surawong 2	SRW2	0	0	0	0	60	0	·	· · · · · · · · · · · · · · · · · · ·	0	0		0	
	Surawong 3	SRW3	0		0			0	0			0		0	(
20	Surawong 4	SRW4	0	0	0	0	150	0	0	0	0	0	0	0	. 0
21	Surawong 5	SRW5	0	0	0	0	0	0	0	0	0	0			(
	Chaiyaphruk I	CYP1	. 0	0	0		····-	0		0	.0	0			
	Chaiyaphruk 2	CYP2	0		io io			0		f	0	0		· · · · · · · · · · · · · · · · · · ·	$\vdash$
			0								· · · · · · · · · · · · · · · · · · ·				·
	Phra Khanong 1	PKG1		0	0	· · · · · · · · · · · · · · · · · · ·	L	0			0	0		÷	(
	Phra Khanong 2	PKG2	420	120	180	60		30			90	0			30
26	On Nut 1	ONTI	0	0	· 0	0	0	0	0	0	0	0	0	0	. (
27	Trok Chan 1	TKCI	Ó	Ö	0	0	30	0	0	0	0	0	0	0	(
28	Trok Chan 2	TKC2	0	0	0	0	30	0	0	0	0	0	0		(
	Thung Mahamek 1	TMM1	0	0	0		0	0			0	- 0			
		TMM2		0	0	ł	0	0			0			{	
	Thung Mahamek 2			L			· · · · · · · ·			f		0		<u> </u>	
	Sathupradit 1	STD1 .	0	0	0	· · · · · · · · · · · · · · · · · · ·	L	0	L		0	· · · · · · · · · · · · · · · · · · ·		<u> </u>	(
32	Sathupradit 2	STD2	0	: 0	0	0	60	0	0	0	0	0	0	0	(
33	Thanon Tok 1	TNTI	l o	0	0	0	30	0	0	0	0	0	0	0	(
34	Thanon Tok 2	TNT2	0	0	0	0	30	. 0	0		0	0	0	0	(
	Khlong Toei 1	KTII	0	0	0	0	·····	0	0	0	0	0		0	(
	Hua Mak 1	HAM1	. 0	Ŏ	0	0	0	0		Ó	.0	0			
_		· · · · · · · · · · · · · · · · · · ·				· · · · · ·		· · · ·	0		0			· · · · ·	<b>`</b>
	Hua Mak 2	HAM2	0	0	0			0		0		0	<b></b>	¥	
	Khlong Chan 1	KGC1	0	0	- <b>O</b>			0	0	0	0	0		+	
	Khlong Chan 2	KGC2	0	· 0	0	0	30	0	0	0	0	0	0	0	<u> </u>
- 40	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	(
	Ramkamhaeng 1	RKIII	0	0	0	0	0	0	0	0	0	0	0	0	(
	Bang Chan 1	BGCI	0		0	0	30	0		0	0			0	
42	Lat Krabang 1		0			0		0		0	- ů	0		· · · · · · · · · · · · · · · · · · ·	L
		LKG1			0		0								
	Bang Na 1	BNA1	0		0	2		0			0				
	Bang Na 2	BNA2	0		0	0	0	0		0	0	0			
46	Bang Na 3	BNA3	0	0	Ö			0			0			0	1
	Samut Prakan 1	SPK1	. 0	0	0	• 0	0	0	0	0	0	0	0	0	
	Samut Prakan 2	SPK2	0		0	. 0		0	······································	0	0			0	
	Samut Prakan 3	SPK3	0		0	0	0	0		0	0			+	
								0			0				
	Bang Pu 1	BPUL	0		0	0	0			0					h
		PSP1	0		0	0	30	0			0			· · · · · · · · · · · · · · · · · · ·	
52	Pu Chao Saming Phrai 2	PSP2	0	0	0	0	0	0							1
	Bang Phli 1	BPL1	0	30	0	0	0	0	0	0	0			0	
	Bang Phli 2	BPL2	30	0	0	0	0	0	0	0	0			0	
	Bang Phli Bang Bo 1	BBB1	0		0	0	0	0			0				·
			0	0	0	0		0			0				<u></u>
	Thon Buri 1	TNB1											1		
	Lat Ya T8	LTYT8	0	0	0	150		90			480				+
	Phasi Charoen 1	PSNI	0	0	0	5	0	0			0			·	+
- 59	Phasi Charoen 2	PSN2	0	0	0	0	150	30			0				
	Bang Phlat 1	BGT1	0	0	0	.0		Ö		0	60	30	0	0	
	Bang Phlat 2	BGT2	0	- Ŭ	0	30	450	0	0		0	30			
					0			0		t	30	0			·
	Bang Phlat 3	BGT3	0	0			60							· · · · · · · · · · · · · · · · · · ·	
	Bang Bue Thong 1	BBT1	0	0	0	0	30	0							
	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0				30		
	Charan Sanitwong 1	CSWI	0	0	0	0	30	0	0	0	0	0	0	0	
	Α			ا مربع ا			كتحص								

66         C           67         B           68         B           69         N           70         M           71         D           72         D           73         P           74         P           75         E           76         E           77         R           78         P           70         P           80         P           81         In           82         In           83         B           84         B           85         L           86         L           87         L           88         L           89         D           90         D           91         T           92         R           93         N           94         B           92         N           93         N           94         R           95         P           100         L           101         L	Switch Unit Name Charan Sanitwong 2 Bang Khae 1 Bang Khae 2 Nong Khaem 1 Muban Settakit 1 Dao khanong 2 Thra Pradaeng 1 Thra Pradaeng 2 Thra Pradaeng 2 Sktachai 1 Ekkachai 2 Rat Burana 1 Thahonyothin 1 Thahonyothin 1 Thahonyothin 2 Thahonyothin 2 Thahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2 Lat Phrao 2-1	ABBR           CSW2           BKE1           BKE2           NGK1           MSK1           DKN1           DKN2           PPG1           PPG2           EKC1           EKC2           RBN1           PYT1           PYT2           FYT12           ITM1           ITM2           BGN1           BGN2           LTP1-1           LTP1-2	BPL1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BPL2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		TNB1 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LTYT8 270 210 210 210 60 150 0 240 420		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	BGT2 30 0 0 0 0 0 0 0 0 0 0	BGT3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	BBT2 0 0 0 0 0 0 0 0 0 0 0	CSW1 30 0 0 0 0 0 0 0 0 0
66         C           67         B           68         B           69         N           70         M           71         D           72         D           73         P           74         P           75         E           76         E           77         R           78         P           70         P           80         P           81         In           82         In           83         B           84         B           85         L           86         L           87         L           88         L           89         D           90         D           91         T           92         R           93         N           94         B           92         N           93         N           94         R           95         P           100         L           101         L	Charan Sanitwong 2 Bang Khae 1 Bang Khae 2 Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Skkschai 1 Bakschai 2 Cat Burana 1 Phahonyothin 1 Phahonyothin 1 Phahonyothin 2 Thahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Jat Phrao 1-1 Jat Phrao 1-2	BKE1           BKE2           NGK1           MSK1           DKN1           DKN2           PPG1           PPG2           EKC1           EKC2           RBN1           PYT1           PYT2           FYT12           ITM1           ITM2           BGN1           BGN2           LTP1-1           LTP1-2			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 210 270 210 60 150 0 240 420	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
67 B 68 B 69 N 70 M 71 D 72 D 73 P 74 P 75 E 76 E 77 R 77 R 78 P 79 P 80 P 80 P 81 In 82 In 83 B 84 B 83 B 84 B 83 L 83 B 84 B 85 L 84 B 85 L 86 L 87 L 88 L 89 D 90 D 90 D 91 TT 91 P 92 R 88 L 89 D 90 D 90 D 90 D 91 TT 92 R 88 L 89 D 90 D 90 D 90 D 91 TT 92 R 88 L 89 D 90 D 90 D 91 TT 92 R 80 P 93 N 94 B 95 B 80 P 93 N 94 B 95 B 96 N 97 N 98 N 99 N 100 L 101 L 102 L 103 R 104 R 105 P 106 P 106 P 106 P	Bang Khae 1 Bang Khae 2 Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Bakschai 1 Ekkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 2 Thahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	BKE2           NGK1           MSK1           DKN1           DKN2           PPG1           PPG2           EKC1           EKC2           RBN1           PYT1           PYT2           FYT2           ITM1           ITM2           BGN1           BGN2           LTP1-1           LTP1-2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 30 0	210 270 210 60 150 0 240 420	0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0
68 B 69 N 70 M 71 D 72 D 73 P 74 P 75 E 76 C 77 R 78 P 79 P 80 P 80 P 80 P 81 In 83 B 84 B 83 B 84 B 83 B 84 B 83 C 83 C 83 C 83 C 84 C 85 C 85 C 88 C 88 C 88 C 88 C 88 C 88	Bang Khae 2 Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Skkachai 1 Phakonyothin 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	NGK1 MSK1 DKN1 DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1 PYT2 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 30 0	270 210 60 150 0 240 420	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0
69         N           70         M           71         D           72         D           73         P1           74         P1           75         E           76         E           77         R           78         P1           79         P1           80         P1           81         In           82         In           83         B           84         B           85         L           86         L           87         L           88         L           88         L           89         D           90         D           91         T1           92         R           93         N           94         B           92         N           100         L           101         L           102         L           103         R           104         R           105         Pa           106         Pa <td>Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2</td> <td>MSK1 DKN1 DKN2 PPG1 EKC1 EKC2 RBN1 PYT1 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2</td> <td></td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td>0 0 0 0 30 0</td> <td>210 60 150 0 240 420</td> <td>0 0 0 0</td> <td>0 0 0</td> <td>0 0 0</td> <td>0 0 0</td> <td>0 0 0</td> <td>0 0 0</td> <td>0 0 0</td> <td>0 0 0</td>	Nong Khaem 1 Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Phra Pradaeng 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	MSK1 DKN1 DKN2 PPG1 EKC1 EKC2 RBN1 PYT1 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 30 0	210 60 150 0 240 420	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
70         M           71         D           72         D           73         P1           74         P1           75         E           76         E           77         R           78         P1           79         P1           80         P1           81         In           82         In           83         B           84         B           85         L           86         L           87         D           90         D           90         D           90         P1           91         P1           92         R           93         N           94         B           95         B           96         N           97         N           98         N           99         N           100         L           101         L           102         L           103         R           104         R	Muban Settakit 1 Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Bekachai 1 Ekkachai 2 Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	DKN1 DKN2 PPG1 EKC1 EKC2 RBN1 PYT1 PYT2 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 30 0	60 150 0 240 420	0 0 0	0 0 0	0 0 0	0	0 0	0	0	0
71 D 72 D 73 P 74 P 75 E 76 E 77 R 78 P 79 P 80 P 80 P 81 In 82 In 83 B 84 B 85 L 85 L 87 L 83 D 92 In 83 D 91 T 92 R 89 D 91 T 92 R 93 N 92 R 93 N 94 B 93 N 94 B 95 B 93 N 94 B 95 B 90 D 91 T 92 R 93 N 92 R 93 N 92 R 93 N 94 B 95 B 93 N 94 B 95 B 90 D 91 T 102 L 101 L 201 L 102 L 103 R 104 R 105 P 106 P 106 P 106 P 106 P	Dao khanong 1 Dao khanong 2 Phra Pradaeng 2 Phra Pradaeng 2 Rekschai 1 Rekschai 2 Rai Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	DKN2 PPG1 PPG2 EKC1 EKC2 RBN1 PYT1 PYT2 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2		0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 30 0	150 0 240 420	0	0	0	0	0	0	0	0
72 D 73 Pf 74 Pf 75 E 76 E 77 R 79 Pf 80 Pf 80 Pf 80 Pf 81 In 82 In 83 B 84 B 85 L 85 L 85 L 86 L 87 L 86 L 87 L 86 L 87 L 88 L 88 L 89 D 90 D 91 Tf 92 R 93 N 92 R 93 N 94 B 95 B 95 B 95 B 95 B 95 B 95 B 97 N 99 N 100 L 101 L 102 L 103 R 104 R 105 Pa 106 Pa 106 Pa 106 Pa	Dao khanong 2 Thra Pradaeng 1 Phra Pradaeng 2 Skachai 1 Skachai 2 Rai Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Jat Phrao 1-1 Jat Phrao 1-2	PPG1 PPG2 EKC1 EKC2 RBN1 PYT1 PYT2 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2				0 0 30 0	0 240 420	0	0	0					
73 P1 74 P1 75 E1 76 E1 77 R 78 P1 79 P1 80 P1 80 P1 81 In 82 In 83 B 84 B 85 L 85 L 86 L 87 L 86 L 87 L 88 L 86 L 87 L 88 L 89 D 90 D 91 T1 92 R 93 N 92 R 93 N 94 B 95 B 95 B 95 B 95 B 95 B 95 B 97 N 99 N 100 L 101 L 102 L 103 R 104 R 105 Pa 106 P2 106 P2	Thra Pradaeng 1 Phra Pradaeng 2 Skkachai 1 Skkachai 2 Rai Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Jat Phrao 1-1 Jat Phrao 1-2	PPG2 EKC1 EKC2 RBN1 PYT1 PYT2 PYT72 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2			0 0 0 0	0 30 0	240 420	0			0	ol	· •	<b>∩</b> _	. n
74 Pf 75 E 76 C 77 R 78 Pf 79 Pf 80 Pf 80 Pf 81 In 82 In 83 B 84 B 85 L 85 L 86 L 87 L 88 L 85 L 86 L 87 L 88 L 87 L 88 L 89 D 90 D 91 Tf 92 R 93 N 92 R 93 N 94 B 95 B 95 B 95 B 95 B 95 B 95 B 97 N 99 N 100 L 101 L 102 L 103 R 104 R 105 Pa 106 P2	Phra Pradacog 2 Skachai 1 Skachai 2 Rai Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Jat Phrao 1-1 Jat Phrao 1-2	EKC1 EKC2 RBN1 PYT1 PYT2 PY1T2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2		0 0 0 0 0 0	0 0 0	30 0	420		_						
75 El 76 El 77 R 78 Pl 79 Pl 80 Pl 80 Pl 81 In 82 In 83 B 84 B 85 L 85 L 86 L 87 L 86 L 87 L 88 L 86 L 87 L 88 L 87 L 88 L 89 D 90 D 91 Tl 92 R 93 N 92 R 93 N 94 B 95 B 95 B 95 B 95 B 95 B 95 B 97 N 99 N 100 L 101 L 102 L 103 R 104 R 105 Pa 106 Pa 106 Pa	Image: Straight traight Straight Straight Straight Straight Straight Straight St	EKC2 RBN1 PYT1 PYT2 PY172 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0 0 0 0 0 0 0 0		0 0 0	0	A		0	0	0	0	0	0	. 0
77 8 78 Pf 79 Pf 80 Pf 81 In 82 In 82 In 83 B 84 B 85 L 85 L 86 L 87 L 88 L 87 L 88 L 87 L 88 L 89 D 90 D 91 Tf 92 R 90 D 91 Tf 92 R 93 N 92 R 93 N 94 B 95 B 95 B 96 N 97 N 98 N 99 N 100 L 101 L 102 L 103 R 106 Pa 106 Pa	Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	RBNI PYTI PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0 0 0 0 0 0	0 0 0 0 0	0			0	0	0	0	0	0	0	0
77 8 78 Pf 79 Pf 80 Pf 80 Pf 81 In 82 In 83 B 84 B 85 L 85 L 86 L 87 L 86 L 87 L 88 L 87 L 88 L 89 D 90 D 91 Tf 92 R 93 N 92 R 93 N 92 R 93 N 94 B 95 B 95 B 96 N 97 N 98 N 99 N 100 L 101 L 102 L 103 R 105 Pa 106 Pa 106 Pa	Rat Burana 1 Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	PYT1 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0 0 0 0 0	0 0 0 0	0	n	150	:0	0	0	0	0	0	0	0
78 Pf 79 Pf 80 Pf 80 Pf 81 In 82 In 82 In 83 B: 84 B: 85 L: 86 L: 87 L: 87 L: 88 L: 87 L: 88 L: 89 D 90 D 91 Tf 92 R: 93 N: 92 R: 93 N: 94 B: 95 B: 94 B: 95 B: 95 B: 96 N. 97 N. 98 N. 99 N. 100 L: 101 L: 102 L: 103 R: 104 R: 106 Pa 106 Pa	Phahonyothin 1 Phahonyothin 2 Phahonyothin 72 Inthamara 1 Inthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	PYT1 PYT2 PYT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0 0 0 0	0 0 0			360	0	0	0	0	0	0	0	0
79 Pt 80 Pt 81 In 82 In 83 B: 84 B: 85 L: 86 L: 87 L:	Phahonyothin 2 Phahonyothin T2 nthamara 1 nthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	PYT2 PYIT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0 0 0	0	Λ	0	0	0	0	0	0	0	0	0	0
80 PH 81 In 82 In 83 B: 84 B: 85 L: 86 L: 87 L: 87 L: 88 L: 89 D: 90 D: 91 T1 92 R: 93 N: 94 B: 95 B: 94 B: 95 B: 96 N. 97 N. 98 N. 99 N. 100 L: 101 L: 102 L: 103 R: 104 R: 105 Pa 106 Pa	Phahonyothin T2 nthamara 1 nthamara 2 Bang Khen 1 Bang Khen 2 Lat Phrao 1-1 Lat Phrao 1-2	PYIT2 ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0 0 0	0	1 V	0	0	0	0	0	0	0	0	0	0
81 In 82 In 83 B: 84 B: 85 L: 86 L: 87 L: 88 L: 89 D 90 D 91 T1 92 R: 93 N: 92 R: 93 N: 94 B: 95 B: 94 B: 95 B: 95 B: 95 B: 94 B: 95 B: 95 B: 95 B: 96 N; 97 N; 98 N; 99 N; 100 L: 101 L: 102 L: 103 R: 104 R; 105 Pa 106 Pa	nthamara 1 nthamara 2 Bang Khen 1 Bang Khen 2 .at Phrao 1-1 .at Phrao 1-2	ITM1 ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0	0	0	30	150	0	0	30	30	0	0	Q	0
82 In 83 8 84 8 85 L 86 L 87 L 88 L 89 D 90 D 91 T1 92 R 93 N 93 N 94 8 93 N 94 8 95 8 95 8 95 8 95 8 96 N 97 N 98 N 99 N 100 L 101 L 102 L 103 R 104 R 105 Pa 106 Pa	nthamara 2 Bang Khen 1 Bang Khen 2 .at Phrao 1-1 .at Phrao 1-2	ITM2 BGN1 BGN2 LTP1-1 LTP1-2	0		0	0	30	0	0	0	0	. 0	. 0	0	0
83 8; 84 8; 85 L; 87 L; 87 L; 88 L; 89 D; 90 D; 91 T1 92 R; 93 N; 93 N; 94 8; 93 N; 94 8; 95 8; 95 8; 95 8; 96 N; 97 N; 98 N; 99 N; 100 L; 101 L; 102 L; 103 R; 104 R; 105 Pa 106 P;	Bang Khen 1 Bang Khen 2 .at Phrao 1-1 .at Phrao 1-2	BGN1 BGN2 LTP1-1 LTP1-2	0	0	0		30	0	0	0	0	0	0	0	0
84 8/ 85 L: 86 L: 87 L: 88 L: 89 D 90 D 91 T1 92 R: 93 N: 94 B: 92 R: 93 N: 94 B: 95 B: 94 B: 95 B: 94 B: 95 B: 95 B: 94 B: 95 B: 94 B: 95 B: 94 B: 95 B: 94 B: 95 B: 94 B: 95 B: 94 B: 95 B: 95 B: 96 N; 97 N; 98 N; 100 L: 101 L: 102 L: 103 R: 104 R: 105 Pa 106 Pa	Bang Khen 2 .at Phrao 1-1 .at Phrao 1-2	BGN2 LTP1-1 LTP1-2		0		0	0	0	0	0	0	0	0	0	C
85 Ls 86 Li 87 Li 88 Li 89 D 90 D 91 T1 92 Ri 93 Ni 93 Ni 94 Bi 95 Bi 95 Bi 95 Bi 95 Bi 95 Bi 95 Ni 95 Ni 97 Ni 98 Ni 99 Ni 100 Li 101 Ls 102 Li 103 Ri 104 Ri 105 Pa 106 Pa	.at Phrao 1-1 .at Phrao 1-2	LTP1-1 LTP1-2		0	0	0	30	0	0	0	0	0	0	0	0
86 Li 87 Li 88 Li 89 D 90 D 91 T1 92 Ri 93 Ni 93 Ni 94 Bi 95 Bi 95 Bi 95 Bi 96 N 97 N 98 Ni 99 Ni 100 Li 101 Li 102 Li 103 Ri 104 Ri 105 Pa 106 Pa	at Phrao 1-2	LTP1-2	0	0	0	0	0	ō	0	0	0	0		0	0
87 L s 88 La 89 D 90 D 91 TI 92 Ra 93 N 94 B 93 N 94 B 95 B 95 B 96 N 97 N 98 N 99 N 100 L 101 La 102 La 103 Ra 104 Ra 105 Pa 106 Pa		· []	0	0	0		60	0	Ő	0	Ő	0	0	0	C
88 La 89 D 90 D 91 TI 92 Ra 93 Na 94 Ba 95 Ba 95 Ba 95 Ba 96 N 97 N 98 Na 99 Na 100 La 101 La 102 La 103 Ra 104 Ra 105 Pa 106 Pa		LTP2-1	0	0		0	0	0	0	0	0	0		0	0
89 D 90 D 91 TT 92 R 93 N 94 B 95 B 95 B 96 N 97 N 98 N 99 N 100 L 101 L 102 L 101 L 103 R 104 R 105 Pa 106 P	at Phrao 2-1	LTP2-2	0	0	0	0	0	0	0	Ō	0	0		0	0
90         Do           91         TI           92         Ri           93         Ni           94         Bi           95         Bi           96         Ni           97         Ni           98         Ni           99         Ni           100         Li           101         Li           102         Li           103         Ri           104         Ri           105         Pa           106         Pa	Jon Muang 1	DNM1	0	0	0	0	0	Ű	0	0	0	0		0	0
91 T1 92 Ri 93 Ni 94 Bi 95 Bi 96 Ni 97 Ni 98 Ni 99 Ni 100 Li 101 Li 102 Li 103 Ri 104 Ri 105 Pa 106 Pa	Jon Muang 2	DNM2	0	0	0	0	30	0	0	0	ot	0		0	C
92 Ri 93 Ni 94 Bi 95 Bi 96 Ni 97 Ni 98 Ni 99 Ni 100 Li 101 Li 102 Li 103 Ri 104 Ri 105 Pa 106 Pa		TYB1	0	0	0	0	0	0	0	0	0	0	0	0	6
93 N. 94 B. 95 B. 96 N. 97 N. 98 N. 99 N. 100 L. 101 L. 102 L. 103 R. 104 R. 105 Pa 106 Pa	Thanyaburi 1		0	0	0		0	0	0	0	0	0	<u> </u>	0	C
94 B 95 B 96 N 97 N 98 N 99 N 100 L 101 L 102 L 101 L 102 L 103 R 104 R 105 Pa 106 Pa		RST1 NWN1		0	0	0		0	0	0	0	0		0	
95 Bi 96 N 97 N 98 N 99 N 100 L 101 L 102 L 103 R 103 R 104 R 105 Pa 106 Pa	Nawa Nakhon 1		0		0		30	0	0	0	0	0		0	Č
96 N 97 N 98 N 99 N 100 L 101 L 102 L 102 L 103 R 104 R 105 Pa 106 Pa	Bang Su 1	BGS1	0		0	0	30	0	0	0	0	0	· · · · · · · · · · · · · · · · · · ·	0	0
97 N 98 N 99 N 100 L 101 L 102 L 103 R 103 R 104 R 105 Pa 106 Pa	Bang Su 2	BGS2	0	0	0	****	0	0	0	0	0			0	C
98 N 99 N 100 L 101 L 102 L 103 R 103 R 104 R 105 Pa 106 Pa	Vgam Wong Wan 1	NWW1	0		0	0	30	0	0	0	0	0	<u></u>	0	
99         No           100         La           101         La           102         La           103         Ra           104         Ra           105         Pa           106         Pa	Vgam Wong Wan 2	NWW2	0	0					0	0		0	·	0	0
100 L: 101 L: 102 L: 103 R: 103 R: 104 R: 105 Pa 106 Pa	Nonthaburi 1	NTBI	0	0	0	0	0	0	0	0	0	0	1	0	0
101 L: 102 L: 103 R: 104 R: 104 R: 105 Pa 106 Pa	Vonthaburi 2	NTB2	0	0	0			0		0	0	0		0	0
102 La 103 Ra 104 Ra 105 Pa 106 Pa		LKSI	0	0	0		0	0	0	90	60	0		60	30
103 R; 104 R; 105 Pa 106 Pa		LKST4	0	0	0	60	150	.0	0						
104 Ra 105 Pa 106 Pa	······································	LKS2	0	0	0	f	0	0	0	0	0	0	+	0	0
105 Pa 106 Pa	(am Inthra 1	RITI	0	0	0	. 0	0	0	0	0	0	0	1	0	0
106 Pa	tam Inthra 2	RIT2	0	0	0		0	. 0	0	0	0	. 0	· · · · · · · · · · · · · · · · · · ·	0	0
	Pak Kret 1	PKK1	0	0	0	•	30	0	0	. 0	0	0	4	0	0
1071B	Pathum Thani I	PTTI	0	0	0	0	0	0	0	0	0	0		0	(
	lang Phun 1	BANI	0				0		0	0	0	0		0	
	Chaeng Watthana I	CWTI	0				30	0			0	0		0	
		ккта	0				60	0	0	-30	0	.0		0	(
	(rung Kasem T(XB)	KKTI	0	0			60	0	0		0	0	1	0	(
111 Pf	Crung Kasem T1	рута	0	0		· · · · · · · · · · · · · · · · · · ·	90	0	0	30	30	0	*******	0	(
112 Pł		PLT3	0	0			180	30	0	60	0	. 0	+	0	30
	Crung Kasem T1		0	0			180	86	0	150	0	0		0	120
	(rung Kasem T1 Thahonyothin T(XB) Thloen Chit T3 Thon Buri T(XB)	INBTA	0	0	0	30	150	0		0	0	0	0	0	(
	(rung Kasem T1 Thahonyothin T(XB) Thloen Chit T3	TNBTA SWTA	0	0	0	0		0	0	0	0	0		C	(
	(rung Kasem T1 Thahonyothin T(XB) Thloen Chit T3 Thon Buri T(XB)			0	0	0	0	. 0	0	0	0	: 0	0	0	(
	Krung Kasem T1 Tahonyothin T(XB) Thoen Chit T3 Thon Buri T(XB) Gurawong T(XB) Lak Si TC	SWTA LSTC					180	0	30		90	0		0	(
	Krung Kasem T1 Phahonyothin T(XB) Phoen Chit T3 Phon Buri T(XB) Gurawong T(XB) Lak Si TC Phra Khanong TC	SWTA LSTC PNTC	30 0				0		0	0	0	0		0	(
	Krung Kasem T1 Phahonyothin T(XB) Phloen Chit T3 Phon Buri T(XB) Gurawong T(XB) Lak Si TC Phra Khanong TC Lat Ya TC	SWTA LSTC PNTC LYTC	30 0	0				·							
	Krung Kasem T1 Phahonyothin T(XB) Phloen Chit T3 Phon Buri T(XB) Surawong T(XB) Lak Si TC Phra Khanong TC Lat Ya TC Lak Si International	SWTA LSTC PNTC LYTC LSTT	30 0 0		0	0 1	0	0	0		Ő	- Ŭ		0	1997 - S <b>1</b>
100 104	Krung Kasem T1 Tahonyothin T(XB) Thon Buri T(XB) Gurawong T(XB) Lak Si TC Thra Khanong TC Lat Ya TC Lak Si International Thra Khanong International	SWTA LSTC PNTC LYTC LSTT PNIT	30 0 0	0					0	0	0	0	0	0 0	(
Т	Krung Kasem T1 Phahonyothin T(XB) Phloen Chit T3 Phon Buri T(XB) Surawong T(XB) Lak Si TC Phra Khanong TC Lat Ya TC Lak Si International	SWTA LSTC PNTC LYTC LSTT	30 0 0			0	0 60	0	0				0		

## 13-2 The Number of Circuits Between Exchanges in BMA in 1992 (11/20)

			66	67	68	69	70	71	72	73	74	75	76	77	70]
NO	Switch Unit Name	ABBR		the second se		NGKI					PPG2		EKC2	RBN1	
	Phloen Chit 1	PNCI	0	0	0	0	0	0	0	0	0		LINC2		+
	Phloen Chit 2	PNC2	0	0	0	0	- ů	0	0	0	0		0		
	Phloen Chit 3	PNC3	. 0	0	0	0	0	0	0	0	0				
	Asok Din Daeng 1	ASD1	Ō	0		0	Ō	<b>↓</b> ;	Ő	<u>`</u>	0	f			
	Asok Din Daeng 2	ASD2	0	0	0	0	0	0	0	0	0				
	Sukhumwit 1	SKW1	0	0	0	0	0	0	0	0	0		***		
		SRRI	0	0	0	0	0	0		0					
	Samran Rat 2	SRR2	.0	0	0	0	.0	. 0	0	0	0	0			
- 9	Samran Rat 3	SRR3	0	0	0	. 0	0	0	0	0	0	0	(	) 0	0
	Sanuran Rat 4	SRR4	0	0	0	30	0	0	0	0	0	30	(	) 0	
	Krung Kasem 2	KKM2	0	0	0	0	0	0	0	0	C	0	(	0 0	0
	Krung Kasem 3	ККМ3	0	.0	0	0	0	0	0	0	C	0	(	) 0	0
·	Samsen 1	SMS1	0	0	0	.0	. 0	0	0	0	0	0 0	1 (	0 0	0
-14	Samsen 2	SMS2	0	0	0	.0	. 0	0	0	0	0	0 0	(	) (	0 0
15	Pathum Wan 1	PTW1	0	0	0	.0	0	0	0	0	C			0 0	0
16	Pathum Wan 2	PTW2	0	0	0	0	0	0	. 0	0	0			0 0	) 0
	Surawong 1	SRW1	0	0	0	0	0	0	0	0	. (	) (			0 0
	Surawong 2	SRW2	0	0	0	0	C	00	0	0		) _ (			0 0
	Surawong 3	SRW3	0	0	0	0	0	0	0	0	(	) (			0 0
	Surawong 4	SRW4	0	0	0	0	C	0	0	0	(	) (			0 0
	Surawong 5	SRW5	0	0	0	C	0	0 0	0	0	) (	) (	)	0 0	0 0
	Chaiyaphruk 1	CYP1	0	0	0	0	C	0	0	0	(		)	0 0	0 0
	Chaiyaphruk 2	CYP2	0	0	0	C	0	0	0				)	0 0	0 0
24	Phra Khanong 1	PKG1	0	0	0	C	0	0	0			) (		0 0	) 0
and the second second	Phra Khanong 2	PKG2	30	.0	0	30	30	30	Ó	0	30	) 60		0 60	90
	On Nut 1	ONT1	0	0	Ċ	0		0	0	Ċ		) (		0 (	0 0
	Trok Chan 1	TKC1	0	0	0	. 0	0	0	0	0	) (	) (		0 0	0 0
k	Trok Chan 2	TKC2	0	0	C	0		0 0	0	0	) (	) (		0 0	0 0
	Thung Mahamek 1	TMM1	0	0	0	C	0 0	0 0	0	0		) (		0 0	0 0
	Thung Mahamek 2	TMM2	0	0	d C	. 0	1 (	0	0	0	) (	) (	)	0 (	0 0
	Sathupradit 1	STDI	1 0	0	C C			0	0	0		) (		0 0	0 0
	Sathupradit 2	STD2	0	0	0	C	0	0	0	C				0 0	) 0
<u></u>	Thanon Tok 1	TNT1			_			) 0	0	0	) (			0 (	0 0
J	Thanon Tok 2	TNT2	0						0	C		) (	)	0 (	0 0
h	Khlong Toei 1	KTH			4	(	) (		0	. (			)	0 (	
	Hua Mak 1	HAM1	0				) (	) 0	0	6	) (			0 0	0 0
	Hua Mak 2	HAM2	l c			+			+		1			0 0	0 0
	Khlong Chan 1	KGCI		f						· · · · · · · · · · · · · · · · · · ·			)	0 0	
	Khlong Chan 2	KGC2	0								) (		)	0 0	0 0
	Khlong Chan 3	KGC3					· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			)	0 0	
	Ramkamhaeng 1	RKHI		+							) (	) (	)	0 0	0 0
	Bang Chan 1	BGC1		1		·····			0	(	) (	) (	)	0 1	0 0
	Lat Krabang 1	LKG1				a second second second		+							0 0
	Bang Na 1	BNA1		+		+	· • · · · · · · · · · · · · · · · · · ·		+		+			·	0 0
	Bang Na 1	BNA1							·						
	Bang Na 2 Bang Na 3	BNA2 BNA3													
		SPK1								[~····	· t	~ {			0 (
	Samut Prakan 1 Samut Prakan 2							· · · · · · · · · · · · · · · · · · ·							0 0
		SPK2						+		<u>.                                    </u>					
	Samut Prakan 3	SPK3 BPU1								+					0 (
	Bang Pu 1							· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·					0 (
	Pu Chao Saming Phrai 1	PSP1								}	· · · · · · · · · · · · · · · · · · ·				0 0
	Pu Chao Saming Phrai 2	PSP2	<u> </u>				+								
	Bang Phli 1	BPL1	0				1								
	Bang Phli 2	BPL2									~				0 0
	Bang Phli Bang Bo 1	BBB1	<u> </u>	+								0 30			
	Thon Buri 1	TNB1									27				
	Lat Ya T8	LTYT8	330			· · · · · · · · · · · · · · · · · · ·		- · · · · · · · · · · · · · · · · · · ·						_	0 0
	Phasi Charoen 1	PSNI		<u> </u>		+	· · · · · · · · · · · · · · · · · · ·		·	+					
	Phasi Charoen 2	PSN2							· · · · · · · · · · · · · · · · · · ·		-				
	Bang Phlat 1	BGT1	ļ							1					
	Bang Phiat 2	BO12	30		· · · · · · · · · · · · · · · · · · ·					1.0.0			0		
	Bang Phlat 3	BGT3	<u> </u>						· · · · · ·				<u> </u>	0	0
	Bang Bue Thong 1	BBTI	ļ					· · · ·				0		S. S	0
64	Bang Bue Thong 2	BBT2	: (					) (	· •						0 0
	Charan Sanitwong	CSW1	30				) (	) (							

#### 13-2 The Number of Circuits Between Exchanges in BMA in 1992 (12/20)

								والمستعدمات	سنسبع						
			66	67	68	69	70	71	72	73	74	75	76	77	78
NO	Switch Unit Name	ABBR	CSW2	BKE1	BKE2	NGK1	MSK1	DKNI			PPG2	EKC1	EKC2		PYT1
	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	.0	0	0	0	0	0
	Bang Khae 1	BKE1	. 0	0	30	0	0	0	. 0	0	. 0	0	0	.0	0
	Bang Khae 2	BKE2	0	30	0	0	0	0	0	0	0	0	0	0	0
	Nong Khaem 1	NGK1	0	0	0	0	30	0	0	. 0	0	0	-0	0	0
	Muban Settakit 1	MSK1	0	0	0	30	0	0	0	0	0	0	0	0	0
	Dao khanong 1	DKNI	0	0	.0	0	0	0	30	0	0	30	0	. 0	0
	Dao khanong 2	DKN2	0	0	0	0	0	30	0	0	0	0	0	0	0
	Phra Pradaeng 1	PPG1	. 0	Ó	0	0	0	0	0	0	30	0	0	0	0
	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	30		0	0	30	0
	Ekkachai 1	EKCI	0	0	0	0	0	30	0	0	. 0	0	60	30	0
	Ekkachai 2	EKC2	0	0	0	0	Ó	0	0	0	0	60	0	0	. 0
	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	: 0	30	0	0	0
	Phahonyothin 1	PYT1	0	0	0	0	0	0	0	0	0	-0	0	0	0
	Phahonyothin 2	PYT2	0	0	0	0	0	0	0	0	0	Ó	0	0	. 16
	Phahonyothin T2	PYTT2	30	0	0	0	0	0	0	0	0	30	0	0	90
	Inthamara 1	птмі	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	Inthamara 2	ITM2	v	0	. 0	0	0	0	0	0	G	0	0	0	0
	Bang Khen 1	BGN1	0	0	0	0	0	0	.0	0	0	0	0	0	0
~	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0		0	0	0	0
	Lat Phrao 1-1	LTP1-1	0	ŏ	0	- v		0	0	0	0	0	0	0	0
		1.TP1-2	0	0	0	0		0	ů 0	0	0	0	0	0	0
	Lat Phrao 1-2 Lat Phrao 2-1	LTP2 1	0	0		0		0	0	0	0	0	0	0	0
		LTP2-2	0	0	0	0	0	0	0	0	0	.0	0	0	0
	Lat Phrao 2-1	DNM1	0	0	0	0	0	0	0	0	.0	0	0	Ő	0
	Don Muang 1	DNM1 DNM2	0	0	0	0	0	0	0	0	0	0	0	Ō	ů
	Don Muang 2		0	0	0	0	0	0	0	0	0	0	0	0	Ö
	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	Ū	
	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	
	Nawa Nakhon I	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0 0
	Bang Su 1	BGSI		0		0	0	0	0	0	0	0	0	0	0
	Bang Su 2	BGS2	0		0		0		0	0		0	0	0	0
	Ngam Wong Wan 1	NWW1	0	0	0	0		0		0	0		0	0	0
	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0		0	0		0	
	Nonthaburi 1	NTB1	0	0	0	0	0	0	0	0	0			0	
	Nonthaburi 2	NI'B2	0	0	0	0	0	0	. 0	0	0	.0	0	0	0
	Lak Si I	LKS1	0	0	0	0	0	0	0	0	0	<u> </u>	0	71	
	Lak Si T4	LKST4	30	30	0	0	0	30	0	0	0	30	0	30	150
	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0 :	0	0		0
104	Ram Inthra 2	RIT2	0	0	. 0	0	0	0	0	0		0	0	0	0
105	Pak Kret 1	рккі	0	0	.0	0	0	0	0	0	0	0	0	0	0
106	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0		0	.0	0	0
107	Bang Phun 1	BANI	0	0	0		0								0
108	Chaeng Watthana 1	CWTI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Krung Kasem T(XB)	KKTA	0	0	0	0	0	0	0		. 0	0	0	0	30
	Krung Kasem T1	KKTI	0	0	0	0	0	. 0	0	0	0	0	0	0	30
111	Phahonyothin T(XB)	РҮТА	0	0	0	0	0	0	- 0	0	0	0	0	0	109
	Phloen Chit T3	PLT3	30	30	0	30	0	60	. 0	. 0	30	0	0	30	60
	Thon Buri T(XB)	TNBTA	0	111	•0			150	0	120	0	0	0	0	0
	Surawong T(XB)	SWTA	0	0	· · ·		· · · · · · · · · · · · · · · · · · ·					h			30
	Lak Si TC	LSTC	0	0											0
	Phra Khanong TC	PNTC	ů 0	0								0			30
	Lat Ya TC	LYTC	30	0						t					0
	Lat ra IC Lak Si International	LSIT	<u> </u>	0					1						0
110	Phra Khanong Internation		0	0	·····				Į.,	•					0
			0								· · · · · · · · · · · · · · · · · · ·		0		0
120	Lat Ya International	LYIT	0	0	0		·	0	<u>}</u> ⁰	ļ	<u> </u>	}V		<u>                                     </u>	<u> </u>
			E 40		070	610	100	100		150	390	840	210	630	785
	l'otal	L	540	270	270	510	420	420	240	1. 150	1 390	1 040	210	030	103
													,		

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#### 13-2 The Number of Circuits Between Exchanges in BMA in 1992 (13/20)

1 2 3 4 5 5 6 7 8 9 9 10 11	Switch Unit Name Phloen Chit 1 Phloen Chit 2 Phloen Chit 3 Asok Din Daeng 1	ABBR PNC1 PNC2	PYT2 0	PYTT2		ITM2	BGN1	BGN2	1.TP1-1	ռ դրլ-2	n. i p2. i	n (1122-2	IDNM1	DNM2	TYRI
2 3 4 5 6 7 8 9 10 11	Phloen Chit 2 Phloen Chit 3		l V												· · · · · ·
3 4 5 6 7 8 9 10 11	Phloen Chit 3	IPNC2		30	0	0	0	0	0	0	0	0	0	0	·
4 5 7 8 9 10 11			0	0	0	0	0	0	0	0	0	0	0	0	L
5 6 7 8 9 10 11	Leak Din Dagna 1	PNC3	0	60	0	30	0	0	0	30	0	0	0	0	
6 7 8 9 10 11		ASDI	0	360	0	0	0	0	0	0	0	0	0	0	
7 8 9 10 11	Asok Din Daeng 2	ASD2	0	420	0	30	0	0	0	30	0	30	0	0	
8 9 10 11	Sukhumwit 1	SKWI	0	30	0	30	. 0	0	0	30	. 0	30	0	-30	· ·
9 10 11	Sanyan Rat 1	SRR1	0	30	0	0	0	0	0	0	0	0	0	0	
10 11	Samran Rat 2	SRR2	0	30	0	0	0	0	0	0	0	0	0	0	
10 11	Samran Rat 3	SRR3	0	30	0	0	0	0	0	0	0	0	0		
11	Samran Rat 4	SRR4	0	30	0	0	0	0	0		· · · · · · · · · · · · · · · · · · ·	0	0	1 o	·
	Krung Kasem 2	KKM2	0	30	0	ł		0		+	0	· · · · · · · · · · · · · · · · · · ·	4	Ŏ	+
14	Krung Kasem 3	ККМЗ	0	60	0								· · · · · · · · · · · · · · · · · · ·	0	
	the second se	SMSI	0	30	0	<u> </u>			f					0	
	Samsen 1					f		0	0						
	Samsen 2	SMS2	0	30	0		<u> </u>		0	·	i		· · · · · · · · · · · · · · · · · · ·	0	
	Pathum Wan 1	PTW1	0	-0	0	<u>}</u>	<u> </u>	0	0	1	÷	· · · · · · · · · · · · · · · · · · ·		ç	-)
16	Pathum Wan 2	PTW2	0	30	0	0	0	0	0	0	0	+		0	· · · · · · · · · · · · · · · · · · ·
17	Surawong 1	SRW1	0	30	. 0	00	0	0	0	0	0	0	0	0	
18	Surawong 2	SRW2	0	0	o	0	0	0	0	0	0	0	0	0	
	Surawong 3	SRW3	0	.30	0	0	0	0	0	0	0	C	0 0	0	1
	Surawong 4	SRW4	0		0				0	0					1
	Surawong 5	SRW5	- ů	0	0			· · · · · · · · · · · · · · · · · · ·			1			· · · · · · · · · · · · · · · · · · ·	·
	Chaiyaphruk 1	CYPI	0	30	0					<u>↓</u>				1	
_		<u> </u>	0		0			<u> </u>						+	·
	Chaiyaphruk 2	CYP2					+			· · · · · · · · · · · · · · · · · · ·					-t
	Phra Khanong 1	PKG1	0	0	0		1. · · · ·			· · · · · · · · · · · · · · · · · · ·		1	· · · · · · · · · · · · · · · · · · ·		- <del></del>
25	Phra Khanong 2	PKG2	30	· · · · · · · · · · · · · · · · · · ·					+					÷	*****
26	On Nut 1	ONTI	0		0	0	C	0	0	0	0		+	<b></b>	
27	Trok Chan 1	TKC1	0	0	0			0	0	0		0 0	) 0	0	
28	Trok Chan 2	TKC2	0	0	0			0			) <u> </u>		) 0	] 0	<u></u>
29	Thung Mahamek 1	TMM1	0	0	0	0		0	0				) 0	0	1
	Thung Mahamek 2	TMM2	0	0	0	Ċ		0	0		0	0	) 0	0	
	Sathupradit 1	STDI	0					· · · · · ·		· · · · · · · · · · · · · · · · · · ·				0	1
_	Sathupradit 2	STD2	0	······	0	+				1	+			· · · · · · · · · · · · · · · · · · ·	+
		+	0	· · · · · · · · · · · · · · · · · · ·							1		·	4	·
	Thanon Tok 1	TNTI		<u> </u>						+	4		+		+
	Thanon Tok 2	TNT2	0							- · ·	-{			+	
35	Khlong Toei 1	KTII	0					· · ·			+				
36	Hua Mak 1	HAMI	0	0	0	<u> </u>		· · · · · · · · · · · · · · · · · · ·			+				· · · · ·
37	Hua Mak 2	HAM2	0	30	0			<u>)</u> 0	0 0	<u>)</u> (	010			+	
38	Khlong Chan 1	KGC1	0	0	0		) i								1
	Khlong Chan 2	KGC2	Ö	30	0			0	0				) (	0	1
	Khlong Chan 3	KGC3	0		+			0 0	1 C						1
						·	i fan ar star de star d						) (		<u>,</u>
	Ramkamhaeng 1	RKH1	<u> </u>		· · · · · · · · · · · · · · · · · · ·				+		\$	· · · · · ·			~
	Bang Chan 1	BGC1	0				<u> </u>		· · · · · · · · · · · · · · · · · · ·	<u> </u>		·		·	
	Lat Krabang 1	LKG1						_		· • · · · · · · · · · · · · · · · · · ·				+	
	Bang Na 1	BNA1	0	and the second second											
45	Bang Na 2	BNA2	0	0	00		) (								2
	Bang Na 3	BNA3	0	.0	0	) (	) (				<u>) (</u>	1			<u>)</u>
	Samut Prakan 1	SPK1	0	0	- 0		) (	0 0	) (	) (	) (	)(	) (		2
	Samut Prakan 2	SPK2		1		·+			) (				) (		5
	Samut Prakan 3	SPK3									4~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· · · · · · · · · · · · · · · · · · ·	3 (		0
										~~~~	A	~	0 0		0
	Bang Pu 1	BPU1				<u> </u>	<u> </u>		1						ŏ
	Pu Chao Saming Phrai 1	PSP1		-					+ ··· · · ·						
	Pu Chao Saming Phrai 2	PSP2	<u>] (</u>				- ŧ							_	
	Bang Phli 1	BPLI													0
54	Bang Phli 2	BPL2	0	0	0 0					-			<u> </u>		<u>o</u>
	Bang Phli Bang Bo 1	BBB1	0	0 0) (3 (-	0
	Thon Buri 1	TNB1	0	30	0 0) () (0 0) (0
	Lat Ya T8	LTYT8) (0	0 (0
			+-c) (3 (0 0	0 0	0
	Phasi Charoen 1	PSN1					<u>;</u>					· · · · · · · · · · · · · · · · · · ·	- I		0
	Phasi Charoen 2	PSN2													ō
	Bang Phlat 1	BGTI	<u>c</u>				2						<u> </u>		of
	Bang Phlat 2	BGT2	0			· · · · · · · · · · · · · · · · · · ·	2 (_
	Bang Phlat 3	BGT3		0 0) () (- l				0
	Bang Bue Thong 1	BBT1	0) () () (_		0
	Bang Bue Thong 2	BBT2	0				3 0) () (2	-1			0
	Charan Sanitwong 1	CSWI		+			·			5	0	0	0	0 0	0

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (14/20)

	r		79	80	81	82	83	84	85	86	. 87	88	89	90	91
NO	Switch Unit Name	ABBR	PYT2	PYTTZ		ITM2	BGNI	BGN2		LTP1-2	LTP2-1	LTP2-2	DNM1	DNM2	TYB1
	Charan Sanitwong 2	CSW2	0	30	0	0	0	0	Ō	0	0	0	0	0	Ó
	Bang Khae 1	BKEI	0	0	0		0	0	. 0	0	0	0	0	0	0
	Bang Khae 2	BKE2	0	0	0		0	0	. 0	0	0	.0	0	0	0
60	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	Muban Settakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dao khanong 1	DKN1	0	0	0		0	0	0	0	0	0	0	0	0
	Dao khanong 2	DKN2	0	0	0		0	0	0	0	0	0	0	0	0
	Phra Pradaeng 1	PPG1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ekkachai 1	EKCI	0	30	0	0	0	0	. 0	0	0	0	0	. 0	0
-	Ekkachai 2	EKC2	0	0	.0	0	0	0	0	0	0	0	0	0	0
	Rat Burana 1	RBNI	0	30	0	0	0	0	0	0	0	0	0	0	Ó
	Phahonyothin 1	PYTI	18	90	0	÷	0	0	0	0	0	0	0	0	Ó
	Phahonyothin 2	PYT2	0	60	0		0	0	0	0	0	.0	0	0	
	Phahonyothin T2	PYTT2	60	0	30		0	0	30	30	30	0	0	0	Ċ
	Inthaniara 1	ГГМ1	0	60			. 0	0	0	0	0	0	0	0	0
	Inthamara 2	ITM2	0	210	60	0	0	0	0	0	0	0	0	0	. 0
	Bang Khen 1	BGN1	0	30	0		0	. 60	.0	0	0	0	0	0	(
	Bang Khen 2	BGN1 BGN2	.0	60	0	0	60	0	0	30	0	0	0	0	. (
	Lat Phrao 1-1	LTP1-1	0	30	0	4	0	0	0	30	Ū	0	. 0	0	(
	Lat Phrao 1-1	LTP1-2	0	30	0		0	Ŭ	30	0	· 0	0	0	0	C
	Lat Phrao 2-1	LTP2-1	0	0	0		0	0	0	0	0	30	0	0	
	Lat Phrao 2-1	LTP2-2	0	0	0	J	0	0	Ő	30	30	0	0	0	(
		DNM1	0	0	0	<u></u>	.0	0	0	·	. 0	0	0	30	
	Don Muang 1	DNM2	0	30	0				0	0	0	. 0	30	0	. (
	Don Muang 2	~~~~	0	0	0		0	0	0	- o	0	0	0	0	
	Thanyaburi 1	TYB1		0	0	\$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		0	0		0	0	0	0	
	Rangsit 1	RST1	0	0	0		0	0	0		0	0	0	0	
	Nawa Nakhon 1	NWN1	0	30	0	h	0	0	0	0	0	0	0	0	
	Bang Su 1	BGS1	0			.f	0	0	0	+	0	0		0	
	Bang Su 2	BGS2	. 0	<u>30</u> 0	0	<u>+</u>		0	. 0		· 0	Ő		0	
	Ngam Wong Wan 1	NWW1	0		0		0	0	0	0	0	0	0	0	
	<u>Q</u>	NWW2	0	60	0			0	0		0	0	0	0	
	Nonthaburi 1	NTB1	0	0	0							0	0	0	. (
	Nonthaburi 2	NTB2	0	0	0	<u></u>	+	0	. 0		0	0	0	0	
_	Lak Si I	LKSI	. 0	0	. 0			0	0		0	·	• · · · · · · · · · · · · · · · · · · ·	480	90
	Lak Si T4	LKST4	60	90	60	+		480	60	630	30	480	f	480	t · · · · · · ·
	Lak Si 2	LKS2	0	0	0	· · · · · · · · · · · · · · · · · · ·	· · ·	0	0	·	0	0		تسر ،	
	Ram Inthra 1	RITI	0	30	0			0	0			0	0	0	
	Ram Inthra 2	RIT2	0	0	0		0	. 0	0	·····	. 0	0	0	0	
	Pak Kret 1	PKK1	0	<u> </u>	0		.0	0	. 0		0	0	0	G	
	Pathum Thani 1	PITI	0	0	0			0	0		0	0		0	
	Bang Phun 1	BANI	0								0				
	Chaeng Watthana 1	CWTI	0	1						2	0	····		<u> </u>	£
	Krung Kasem T(XB)	ккта	0	90			· · · ·				0	ŧ	••••••••••••••••••	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	Krung Kasem T1	KKT1	0	90			·	<u>↓</u>	0		0	. 0	<u> </u>		h
	Phahonyothin T(XB)	PYTA	102				· · · · · · · · · · · · · · · · · · ·				90				<u> </u>
	Phloen Chit T3	PLT3	30		1			0			0				
113	Thon Buri T(XB)	TNBTA	0							+					
	Surawong T(XB)	SWTA	0	90	0	0							<u> </u>	÷	
115	Lak Si TC	LSTC	0	0	0	0	30	30	. 0	60	0			150	
	Phra Khanong TC	PNTC	0	150	30	30	0	0	0	. 0	0	0	0	0	
	Lat Ya TC	LYTC	0	╆━━━━━	+			0		· · · · ·	0	0	0	0	
	Lak Si International	LSIT	0		t	÷	0	0			0	0	0	0	
	Phra Khanong Internation		0	60						·	t				
	Lat Ya International	LYIT	0			+				4	0				
			<u>_</u>	Ě	<u>├────</u>	t Š	Ť	°	<u> </u>	t	[<u> </u>			
	Total	h	300	3,450	450	690	420	570	300	960	210	690	210	690	9

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (15/20)

			92		94	95		97	98	99	100	101	102	10	
	Switch Unit Name	ABBR		NWNI			NWW1				LKS1	LKST4		RIT1	RIT2
	Phloen Chit 1	PNC1	0	0		0		0			0	0	0	**************************************	0
		PNC2	0			0	0	0			· 0	0	0		0
	Phloen Chit 3	PNC3	0			0		0	[0	0	240	0	L	0
	Asok Din Daeng 1	ASDI	0	· · · · ·		0		0		0	0	60	0		0
	Asok Din Daeng 2	ASD2	0	0		0	<u>↓ </u>	30			0		0		0
	Sukhumwit 1	SKW1	0				· · · · · · · · · · · · · · · · · · ·	0	<u> </u>		. 0	210	0		0
	Samran Rat 1	SRR1	0	0	f			0	ł		- 0	·	0		0
	Samran Ret 2	SRR2	0					0	4		0		0		0
_ زم مد ا	Samran Rat 3	SRR3	0	· ····		*····					0		0		Q
	Sanıran Rat 4	SRR4	· 0	1			· · · · · · · · · · · · · · · · · · ·	<u></u>		+	0		0	· · · · · · · · · · · · · · · · · · ·	<u>o</u>
	Krung Kasem 2	KKM2	0					· · · · · · · · · · · · · · · · · · ·			0				0
	Krung Kasem 3	KKM3	0	0		t		{			0	l			0
	Samsen 1	SMS1	0				·j·	f	·		0	+			0
	Samsen 2	SMS2	0					+			0				0
	Pathum Wan 1	PTW1	0		- f	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·			_	0
and the second sec	Pathum Wan 2	PTW2	0	****		f		+							0
	Surawong 1	SRW1	0			+									0
	Surawong 2	SRW2	0	·}				·						· · · · · · · · · · · · · · · · · · ·	0
	Surawong 3	SRW3	0			-1		1	1			h			0
	Surawong 4	SRW4	0	1				· · · · · · · · · · · · · · · · · · ·	+			+			0
	Surawong 5	SRW5	0	t					-{						
	Chaiyaphruk 1	CYPI	0						1	·					0
	Chaiyaphruk 2	CYP2	0	+	1						+				0
	Phra Khanong 1	PKG1	0										<u></u>		0
	Phra Khanong 2	PKG2	0				· · · · · · · · · · · · · · · · · · ·								
	On Nut 1	ONTI	0							- - ,					0
	Trok Chan 1	TKC1	0												0
	Trok Chan 2	TKC2	0		-			1					1		0
	Thung Mahamek 1	TMMI	0			· · · · · · · · ·									0
	Thung Mahamek 2	TMM2	0				· · · · · · · · · · · · · · · · · · ·	ł	-{····-						0
	Sathupradit 1	STD1	0										§		0
32	Sathupradit 2	STD2	0								f				0
33	Thanon Tok 1	TNTI	0								· · · · · · · · · · · · · · · · · · ·				0
	Thanon Tok 2	TNT2	0	·		1					· · · · · · · · · · · · · · · · · · ·				0
	Khlong Toei 1	KTII	0							1					0
	Hua Mak 1	HAM1	0		· · · · · · · · · · · · · · · · · · ·										0
	Hua Mak 2	HAM2	0			1				- 1			· · · · · · · · · · · · · · · · · · ·	~1	0
	Khlong Chan 1	KGC1	0									-			0
	Khlong Chan 2	KGC2	. 0			1									0
	Khlong Chan 3	KGC3	0					· · ·		1					0
41	Ramkamhaeng 1	RKH1	0					· · · · · · · · · · · · · · · · · · ·) ()	0
42	Bang Chan 1	BGC1	0											기	0
43	Lat Krabang 1	LKG1	. 0											기	0
44	Bang Na 1	BNA1	C) (<u>)</u>							<u>3 </u>	0
45	Bang Na 2	BNA2	0									- <u></u>	+	2	0
46	Bang Na 3	BNA3	0					0		- <u> </u>		+	+	2	0
47	Samut Prakan 1	SPK1	0							·····				ウ	0
48	Samut Prakan 2	SPK2	0									· · · · · · · · · · · · · · · · · · ·		<u>y</u>	0
49	Samut Prakan 3	SPK3	0											<u>)</u>	0
50	Bang Pu 1	BPU1	0	0					1				-	이	0
51	Pu Chao Saming Phrai 1	PSP1	0)3(0	0
52	Pu Chao Saming Phrai 2	PSP2	0	0 0) (<u> </u>	0
53	Bang Phli 1	BPL1	Č) () (<u> </u>		0	0
	Bang Phli 2	BPL2	0										-	0	0
	Bang Phli Bang Bo 1	BBB1	0	0) (1			0	0
	Thon Buri 1	TNB1	0) 30		0	0
	Lat Ya T8	LTYT8	0											Q	0
	Phasi Charoen 1	PSNI	0) (and the second states of)(0	0
	Phasi Charoen 2	PSN2	0) (0	0
	Bang Phlat 1	BGT1	0) (9		0	0
	Bang Phlat 2	BGT2	0) () () 180		0	0
	Bang Phlat 3	BGT3	0					· · · · · · · · · · · · · · · · · · ·) (0	0
	Bang Bue Thong 1	BBTI	0) () () () () 15		0	0
	Bang Bue Thong 2	BBT2	0	· • · · · · · · · · · · · · · · · · · ·				() 60) (0	0
	Charan Sanitwong 1	CSW1	0) () 3	0	0	0
<u> </u>	1							. <u> </u>							

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (16/20)

		Г	92	93	94	95	96	97	98	99	100	101	102	103	104
NO	Switch Unit Name	ABBR	RST1	NWNI	BGS1	BGS2	NWWI	NWW2	NTB1	NIB2	LKS1	LKST4	LKS2	RITI	RIT2
	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	60	0	0	0
	Bang Khae 1	BKEI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0		0
	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	30	- 0	0	0
	Muban Settakit 1	MSK1	0	0	0	0	0	0	0	0	0	- 30	0	0	0
71	Dao khanong 1	DKN1	0	0	0	0	0	0	0	0	- 0	0	0	0	·0
72	Dao khanong 2	DKN2	0	.0	0	0	0	0	0	0	0	0	0	00	0
	Phra Pradaeng 1	PPG1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	30	0	0	0
	Ekkachai l	EKC1	0	0	0	0	0	0	0	0	0	60	0	<u></u> 0	·· 0
76	Ekkachaí 2	EKC2	0	0	0	0	0	0	0	0	0	0	Q	0	0
	Rat Burana 1	RBNI	0	0	0	0	0	0	. 0	0		30	.0	0	0
	Phahonyothin 1	PYT1	0	0	0	0	0	0	0	0	0	150	0	0	0
	Phahonyothin 2	PYT2	0	0	0	0	Û	0	0	0	0	30	0	0	0
	Phahonyothin T2	PYTT2	0	0	30	0	0	0	0	0	0	150	0	0	0
	Inthamara 1	ITMI	0	0	0	0	0	0	0	0	0	90	0	0	0
	Inthamara 2	ITM2	Ő	0	0	Ŏ	0	0	0	0	0	150	0	0	0
	Bang Khen I	BGN1	0	0	0	0	0	0	0	0	0	270	0	0	0
	Bang Khen 2	BGN2	0	0	0	0	0	0	0	Ö	0	270	. 0	0	Ő
	Lat Phrao 1-1	LTP1-1	Ŭ 0	0	0	0	0	0	0	0	0	60	0	0	0
	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	420	0	0	0
	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lat Phrao 2-1	LTP2-2	0	0	0	0	ů 0	ů 0	0	0	0	360	0	0	0
		DNM1	0	0	0	0	0	0	0	0	0	180	0	0	0
	Don Muang 1	DNM2	0	0	0	0	0	0	Ö	0	0	360	0	0	0
	Don Muang 2	TYB1	0	0	.0	0	0	0	.0	0	0	90	0	1 0	0
	Thanyaburi 1		0	0	0	0	0	0	0	0	0	150	0	Ō	0
	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	180	0	0	
	Nawa Nakhon 1	NWNI		0		30	0	0	0	0	0		0	0	0
	Bang Su 1	BGS1	0		0			0	0	0	0	180	0	0	
	Bang Su 2	BGS2	0	0	30	0	0	30			0	150	0	0	0
	Ngam Wong Wan 1	NWW1	0	0	0	0			0		0	390	0	0	
	Ngam Wong Wan 2	NWW2	0	0	0	. 0	30	0		0	0		0	0	0
	Nonthaburi 1	NTB1	0	0	0	0	0	0	0	30		30			
	Nonthaburi 2	NTB2	0	0	0	0	0	0	30	0	0	240	0	0	0
	Lak Si 1	LKSI	0	0	0	0	0	0	0	0	0	210	30	0	
	Lak Si T4	LKST4	150	240	90	210	180	540	30	240	2.70	0	60	300	60
102	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	30	60	0	0	0
	Ram Inthra 1	RILI	0	0	0	· · · · · · · · · · · · · · · · · · ·	0	0	0	L	0	2.70	. 0	. 0	30
104	Ram Inthra 2	RI12	0	0	<u> </u>		0	0	0		0	60	0	. 30	0
	Pak Kret 1	PKK1	0	0	0	0	0	0	0		0	270	0	0	0
	Pathum Thani 1	PTTI	0	0	0	0	0	0	0	0	0	180	0		0
	Bang Phun 1	BANI	0				0				0				
	Chacng Watthana 1	CWTI	0	0	0	·	0	0	0	0	0	300	0		
	Krung Kasem T(XB)	KKTA	0	0	0	1		0	0		0				
	Krung Kasem T1	KKTI	0	0	0	1		.0	0		0				
	Phahonyothin T(XB)	PYTA	0	0	150			0	90	* · · · · · · · · · · ·	0	60	.	ę	·
112	Phloen Chit T3	PLT3	0	0	30	0		0	0		0			0	
	Thon Buri T(XB)	TNBTA	0	0	0		0	0	0		0	90			
	Surawong T(XB)	SWTA	0	0	0	0	0	0	0	1	0	90	0	0	2
	Lak Si TC	LSTC	30	0	0	0	0	30	0	30	60	240	30	0	0
	Phra Khanong TC	PNIC	0	0	0	0	0	0	0	.0	0	0	0	0	0
	Lat Ya TC	LYTC	0	0	-0			0	0		0	·		· · · · · · · · · · · · · · · · · · ·	0
	Lak Si International	LSIT	0	0	0			0	Ő	••••••••••••••••••••••••••••••••••••••	30	60			
	Phra Khanong Internation		0	0	0	t		0	0		0				
	Lat Ya International	LYIT	0	0	ō			0	<u>-</u> 0		0	· · · · · · · · · · · · · · · · · · ·	<u>+</u>		
.20	ANGE I A INFERIACIONAL				¥	t v	ÿ			t		t — – – – – – – – – – – – – – – – – – –	`	<u> </u>	<u> </u>
	Tota]	h	180	240	420	240	210	630	150	300	300	10,470	150	330	90
	I VIAI	<u> </u>	100	240		1	L	0.0	1.50	1	مرد . مرد .	1.0,000	1 100	L	

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (17/20)

NO	Switch Unit Name	ABBR	105 PKK1	106 PTT1	107 BAN1	108 CWT1	109 MC1	110 MC2	111	112	+	114	115	116	117
	Phloen Chit 1	PNC1	0	0		0			MC3	MC4	13				PLT3
	Phloen Chit 2	PNC2	0	0	0	0	1	0	0			0	0	0	390
	Phloen Chit 3	PNC3	0	0			0	0	0	+··			0	0	420
	Asok Din Daeng 1	ASDI			0	0		0	0			0	0	0	360
			0	0		0	+·· ····	0	0	·····	· · · · · · · · · · · · · · · · · · ·		30	0	60
	Asok Din Daeng 2	ASD2	0	0	0	0		0	0			0	0	0	60
	Sukhumwit 1	SKW1	0	0	0	0	<u> </u>	0	0			0	0	0	480
***	Samran Rat I	SRR1	0	0	0	0	·	0	0				60	0	90
	Samran Rai 2	SRR2	0	0	0	0	· · · · · · · · · · · · · · · · · · ·	0	0	0	0	120	30	30	60
	Samran Rat 3	SRR3	0	0	0	0			0	0	0	120	30	30	60
	Samran Rat 4	SRR4	0	0	0	0	0	0	0	0	0	0	270	0	90
	Krung Kasem 2	KKM2	0	0	0	0	30	0	0	0	0	258	90	0	90
12	Krung Kasem 3	KKM3	0	0	00	0	30	0	0	0	30	60	60	60	60
	Samsen 1	SMS1	0	0	0	. 0	0	0	0	0	0	120	30	30	30
	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	120	0	30
15	Pathum Wan 1	PTW1	0	- 0	0	0	0	0	.0	0	0	120	30	0	30
16	Pathum Wan 2	PTW2	0	· 0	0	0	0	0	0	0	0	0	270	0	60
17	Surawong 1	SRW1	0	0	0	0	0	0	0	0	8	0	30	0	60
18	Surawong 2	SRW2	0	0	0	0	0	0	0	0	8	0	30	0	90
19	Surawong 3	SRW3	0	0	0	0	0	0	0	0	8	0		0	60
20	Surawong 4	SRW4	0	0	0	0	0	0	l o			0	£	0	270
	Surawong 5	SRW5	0	ŏ	0	0		ō	0		·			Ő	180
	Chaiyaphruk I	CYPI	0	Ō	Ō	0		· · · · ·	ō		1			0	60
	Chaiyaphruk 2	CYP2	0	0	0	0			0	f	·			0	60
	Phra Khanong 1	PKG1	0	0	0	0		· · · · ·	0	t				0	<u> </u>
	Phre Khanong 2	PKG2	0	0	0		1	÷	0			-			
	On Nut 1	ONT1	0	0	· · · · · · · · · · · · · · · · · · ·	0	· · · · · · · · · · · · · · · · · · ·	0	0	+	1	+	00	<u>60</u>	150
	Trok Chan 1	TKC1	0	0		0				· · · · · · · · · · · · · · · · · · ·				<u> </u>	60
					0		·	0	0				0	0	90
	Trok Chan 2	TKC2	0	0	0	0	· · · · · ·			·	· · · · · · · · · · · · · · · · · · ·		210	0	90
	Thung Mahamek 1	TMM1	0	0	0	0	+ · · · · ·	-	0	· · · · · · · · · · · · · · · · · · ·			0		60
	Thung Mahamek 2	TMM2	0	0	0	0	+ · · · · · · · · · · · · · · · · · · ·		0				<u></u>	0	150
	Sathupradit I	STDI	0	0	0	0			0	<u>*</u>			0	0	30
	Sathupradit 2	STD2	0	0	0	0	0	0	0		·{······		0	0	240
	Thanon Tok 1	TNTI	0	0	0	0	·	0	0	· · · · · · · · ·				0	60
	Thanon Tok 2	TNT2	0	0	0	0	0	0	0		*		0	0	27(
	Khlong Toei 1	KTH	0	0	0	0	0	0	0	0	0	0	0	0	360
36	Ilua Mak 1	HAM1	0	. 0	0	0	0	0	0	0	0	0	0	<u>o</u>]	60
37	Hua Mak 2	HAM2	0	0	0	0	0	0	0	0	0	0	0	0	90
38	Khlong Chan 1	KGC1	0	0	0	0	ō	0	0	0	0	0	0	0	30
	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	Ő	0	0	60
	Khiong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	(
	Ramkamhaeng 1	RKH1	-0	0	0	0			0	<u> </u>			· · · · · · · · · · · · · · · · · · ·	0	(
		BGC1	Ū.	0	0	0	0	0	· 0	÷		1 · · · · · ·	h		60
43	Lat Krabang 1	LKGI	0	0	0	0	0	0	0	}_			0	Ő	
	Bang Na 1	BNA1	0	0	0	0					1			0	60
	Bang Na 2	BNA2	0	0	0	0			- 0		· · · · · · · · · · · · · · · · · · ·			ŏ	
	Bang Na 3	BNA2 BNA3	0		0	0	· · · · ·	0		fr · · · ·		******		0	30
				0	0	0		0	0						(
	Samut Prakan 1	SPK1	0						0	-	+		£	}	
	Samut Prakan 2	SPK2	0	0	0	0		0		······	· · · · · · · · · · · · · · · · · · ·			0	. (
	Samut Prakan 3	SPK3	0		0	0	1	0		t					
		BPU1	0	0	0	0		0	0	1	L			<u>+</u>	(
		PSP1	0	0	0	0		0	. 0			· · · · · · · · · · · · · · · · · · ·		0	6
		PSP2	0	0	0	0		0	0					0	6
	Bang Phli 1	BPL1	0	0	0	0			0						6
54		BPL2	0	0	0	0			0	ł	F			0	
55		BBB1	0	0	0	0	0	0	0	,	· · · · · · · · · · · · · · · · · · ·			0	(
	Thon Buri 1	TNB1	0	0	0	0		0	0	0				0	60
	Lat Ya T8	LTYT8	0	0	0	0	0	0	30	0	60	60	30	90	180
	Phasi Charoen 1	PSNI	0	0	0	0		0	0	•••••				·	(
	Phasi Chargen 2	PSN2	Ő	Ő	0	0		0	ō	t ·· ···	÷		· · · · · · · · · · · · · · · · · · ·	0	30
	Bang Phlat 1	BGT1	0	0	0	0		0	0		f				60
		BGT2	0	0	0	0		0	0	F				0	60
		BGT3	0	0	0	0		0						0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
			· · · · · · · · · · · · · · · · · · ·		0	0		0	0					0	
03		BBT1 BBT2	· 0 0	0	0	0		0	0		A sea and a sea of the			0	

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (18/20)

			105	106	107	108	109	110	111	112	113	114	115	116	117
NO	Switch Unit Name	ABBR		PTTI	BANI		MC1	MC2	MC3	MC4					PLT3
NO		CSW2	0	0	0	0	0	0	. 0	0	. 0	0	0	0	. 30
	Charan Sanitwong 2 Bang Khae 1	BKEI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	30
	Muban Settakit 1	MSK1	0	. 0	. 0	0	0	0	0		0	0	0	: 0	30
	Dao khanong 1	DKNI	ŏ	0	Ō	0	0	0	0	0	0	0	0	0	30
	Dao khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	30
	Phra Pradaeng 1	PPG1	Ō	0	0	0	0	0	0	0	0	0	0	0	0
	Phra Pradaeng 2	PPG2	0	0	0	0	0	. 0	. 0	0	0	0	0	0	60
	Ekkachai l	EKCI	0	0	0	0	0	0	- 0	. 0	0	Ù	0	0	. 90
	Ekkachaj 2	EKC2	0	0	0	· 0	0	0	0	0	0	-0	0	0	. 0
	Rat Burana 1	RBN1	0	0	0	. 0	0	. 0	0	. 0	0	0	. 0	0	60
	Phahonyothin 1	PYT1	0	0	Ö	0	0	0	0	0	0	0	30	277	60
	Phahonyothin 2	PYT2	0	0	0	0	0	. 0	0	0	0	0	0	89	30
	Phahonyothin T2	PYTT2	0	0	. 0	0	30	0	. 0	30	60	.60	60	60	150
	Inthamara 1	ггмі	0	0	0	0	0	0	0	0	ġ	0	0	120	30
	Inthamara 2	ГГМ2	0	0	0	0	0	0	0	0	0	0	Ö	0	60
83	Bang Khen 1	BGN1	0	0	. 0	0	0	0	0	0	0	0	0	0	30
	Bang Khen 2	BGN2	0	0	0	. 0	0	0	0	0	0	0	.0	0	60
	Lat Phrao 1-1	LTP1-1	0	0	0	0	0	0	0	0	0	0	0	120	0
86	Lat Phrao 1-2	LTP1 2	0	0	0	0	0	0	0	0	0	0	- 30	0	60
87	Lat Phrao 2-1	LTP2-1	0	• 0	0	. 0	0	. 0	0	0	0	. 0	0	- 90	0
88	Lat Phrao 2-1	LTP2-2	0	0	0	. 0	0	0	0	. 0	0	0	.0	0	60
89	Don Muang 1	DNM1	0	0	0	0	0	0	0	0	0	0	0	0	30
90	Don Muang 2	DNM2	0	0	0	0	0	0	Ó	0	0	0	0	0	60
91	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	. 0	0	0		0	0
92	Rangsit 1	RST1	0	0	0	0	0	. 0	0	0	. 0	0	0	0	0
- and the second	Nawa Nakhon I	NWN1	0	0	0	0	0	0	0	0	0	0	f	. 0	60
94	Bang Su 1	BGS1	0	0	0	0	0	0	0	0	0	30	0	120	30
95	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	0	30
96	Ngam Wong Wan 1	NWWI	0	0	0	0	0	0	0	0	0	0	0	0	
97	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	. 0		0	0	0	0	60
98	Nonthaburi 1	NTB1	0	0	0	0		0		<u> </u>	0	0		90	0
99	Nonthaburi 2	NTB2	0	0	0	0	. 0	. 0	<u> </u>	<u></u>	0	· · · 0		0	
100	Lak Si 1	LKSI	0	0	0	0	.0	0	+		0	0		0	
101	Lak Si T4	LKST4	360	210	120	420	0	30			60	0	+····	60	120
102	Lak Si 2	LKS2	0	0	0	0	+	0		30	0	0		0	0
103	Ram Inthra 1	RITI	0	0	0	.0	+	0		+	0	0	<u> </u>	0	
104	Ram Inthra 2	RIT2	0	0	0			0	<u></u>		0	<u></u>		0	0
105	Pak Kret 1	PKK1	0	60	0	0	+	0	<u> </u>		0	0		0	
	Pathum Thani 1	PIT1	60	0	0	0		.0	ł	+	0	0	1	. 0	+
	Bang Phun 1	BANI	0					0	. 0						
	Chaeng Watthana 1	CWT1	0		4	1				· · · · · · · · · · · · · · · · · · ·	ł			0	A
	Krung Kasem T(XB)	ккта	0	0	0		************							60	
	Krung Kasem T1	KKTI	0	0		· · · · · · · · · · · · · · · · · · ·								90	
	Phahonyothin T(XB)	рүта	0	0						30		120		0	1
	Phioen Chit T3	PLT3	0	0	0	0							+	90	
	Thon Buri T(XB)	TNBTA	0	0	<u></u>	<u> </u>									
	Surawong T(XB)	SWTA	0	*** *** *										(
	Lak Si TC	LSTC	30	0	Ļ			0	÷		· · · · · · · · · · · · · · · · · · ·			0	
	Phra Khanong TC	PNTC	0		·	<u> </u>		· · · · · · · · · · · · · · · · · · ·			f		<u> </u>	<u> </u>	
	Lat Ya TC	LYTC	0		1			*	<u> </u>		·			·	
	Lak Si International	LSIT	0	0								· · · · · · · · · · · · · · · · · · ·		0	
	Phra Khanong Internation	Terrorente and	0	0								سينعبدهم	- · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	4
120	Lat Ya International	LYIT	0	0	0	0	0	0		0 0	0	0	00	0	120
		L			 		ļ		ļ			ļ	I		L
	Total		450	270	120	450	210	180	90	150	579	1,548	2,070	1,806	7,860

		1.0.55	118	119	120	121	122	123	124	125	
and street of the street of th	Switch Unit Name	ABBR		SWTA		PNTC		LSIT	PNIT	LYIT	Total
	Phloen Chit 1	PNC1 PNC2	0	0	0	0	30	0	0	0	874
	Phloen Chit 2	PNC2 PNC3	0	0	0	0	30	0	0	0	78
	Phloen Chit 3 Asok Din Daeng 1	ASD1	0	0	0	<u>0</u> 30	150	0	0	90	2,88
	Asok Din Daeng 2	ASD2	0	0	0		0	0	0		666
	Sukhumwit 1	SKW1	0	0	0	0		0	0		1,71
	Samran Rat 1	SRR1	30	30		0	90	0	0	<u>30</u>	2,46
	Samran Rat 2	SRR2	30	30	0	0		0	+ · · · · · · · · · · · · · · · · · · ·		65
	Samran Rat 3	SRR3	30	30	30	0	· · · · · · · · · · · · · · · · · · ·	0		·····	72
	Samran Rat 4	SRR4	0	0	60	0	· · · · · · · · · · · · · · · · · · ·	0	+		1,41
	Krung Kasem 2	KKM2	0	0	30	. 0	0	0	t		85
	Krung Kasem 3	KKM3	60	90	60	0	0	30	I		1,38
	Samsen 1	SMS1	0	0	0	0	0	0	t		39
	Samsen 2	SMS2	0	- 0	0	0	0			· · · · · · · · · · · · · · · · · · ·	99
	Pathum Wan 1	PTW1	0	30	0	0			f		33
16	Pathum Wan 2	PTW2	0	0	60	0	0	0	t		84
17	Surawong 1	SRW1	0	204	0	0	- 30	0		*	: 96
18	Surawong 2	SRW2	0	155	0	0	30	0	0	30	94
- 19	Surawong 3	SRW3	0	181	0	0	30	0	0	30	93
	Surawong 4	SRW4	0	60	0	0	60	0	0	120	1,71
	Surawong 5	SRW5	0	30	0			0	0	0	39
	Chaiyaphruk 1	CYP1	0	0	- 0	30		0	0	0	69
	Chaiyaphruk 2	CYP2	0	0	0	30		0	0	0	66
	Phra Khanong 1	PKG1	0	0		30		and the second			33
	Phra Khanong 2	PKG2	90	60	0					<u></u>	11,10
	On Nut 1	ONT1	. 0		0	0			0	0	. 54
	Trok Chan 1	TKCl	30	150	<u> </u>	0	0	0	0	0	44
	Trok Chan 2	TKC2	0	0	0 : 1	0		L		+	45
	Thung Mahamek 1	TMM1	0	150	0	<u>+</u>			0	· • • • • • • • • • • • • • • • • • • •	27
	Thung Mahamek 2	TMM2	0	0	0	0	· · · · · · · · · · · · · · · · · · ·		0		21
	Sathupradit 1	STD1	0	90	0			·····			15
	Sathupradit 2	STD2	0	0	0			0			42
	Thanon Tok 1	TNTI	.0	120	0	0		0		the second s	27
	Thanon Tok 2	TNT2	0	0	0	0		0	+		48
	Khlong Toei 1	KTH	0	0	0	0		0	+		66
	Hua Mak I	HAM1	0	0	0	0	-	_	+		48
	Hua Mak 2	HAM2	0	0	F	60			1	1	1,17
	Khlong Chan 1	KGC1	0	0	0	0		0	[·	51
	Khlong Chan 2	KGC2	0	0		30	0	0	0		60
_40	Khlong Chan 3	KGC3	0	0	0	0		0	1		18
	Ramkamhaeng 1	RKH1	0	0							18
	Bang Chan 1	BGC1	0	0	0	0					48
	Lat Krabang 1	LKG1	0	0		0		0		1	27
	Bang Na 1	BNA1	0	0		0		0			52
	Bang Na 2	BNA2	0	0		30	0	0		0	48
	Bang Na 3	BNA3	0	0		0	<u> </u>			·	21
	Samut Prakan 1	SPK1	0	0		0			f	· · · · ·	18
	Samut Prakan 2	SPK2	0	0		0	0	0			15
	Samut Prakan 3	SPK3	0	0		0	0	0			18
	Bang Pu 1	BPUI	0	.0		0	0				15
		PSP1	0	0		0	4	0	<u></u>		52
		PSP2	0	0			* .				51
	Bang Phli I	BPL1	0	0	0	0	0	0	ŧ		48
	Bang Phli 2	BPL2	0	0	0	0	*****	0	Į		15
	Bang Phil Bang Bo 1	BBB1	0	0	0	0	0	0	<u> </u>		15
	Thon Buri 1	TNB1	167	0	0	0	0				
	Lat Ya T8	LTYT8	90	90	0	0		0		·	6,78 20
	Phasi Charoen 1	PSN1	174	0	0	0	0	0			30
	Phasi Charoen 2	PSN2	.0	.0	0	0	: 30	0	0	0	60
	Bang Phlat 1	BGT1	90	30	0	0	0	ļ			
	Bang Phlat 2	BGT2	0	0	0	0	30	0		0	1,23
	Bang Phlat 3	BGT3	0	0	.0	0	0				15
	Bang Bue Thong 1	BBTI	0	0	0	0	0				210
	Bang Bue Thong 2	BBT2	0	0	.0	0		0			9
5 6	Charan Sanitwong 1	CSW1	150	0	0	0	0	0	0	I V	30

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