A STUDY ON A REGIONAL DEVELOPMENT PLAN FOR TELECOMMUNICATIONS NETWORKS IN THE BANGKOK METROPOLITAN AREA IN THE KINGDOM OF THAILAND

FINAL REPORT

FOR
A FEASIBILITY STUDY
ON

AN IMPLEMENTATION PLAN TO UPGRADE
THE TELECOMMUNICATIONS SERVICES QUALITY

ANNEX

October 1992

JAPAN INTERNATIONAL COOPERATION AGENCY

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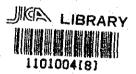
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CHAPTER 2 IMPROVEMENT OF FACILITY FAULT RATIO

2-1 Number of Lines Connected in the BMA (1/4)

	1992	2	4 54054		7 54321	5 51974	9 2497Z	0 11914	2 31298	7 36725	7 22503							245744 248055 250024 352487 254571 25705 260885 265854 265854 368299 370744 376199 279499 383771 384991 287761
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ater, TO	1991	12	54035		53410	51188	24637	11904	29091	36534	22312							282111
S economic	1991	11	53109	800	53305	50988	24414	11917	27494 27732	36233	21225	1000						280773
Mainter	1991	10	53132	808	52980	20767	24220	11908	27494	36052	21139	1000						270400
teport by	1991	6	52997	808	52678	66105	23769	11913	26001	35938	20904	1000						276100
Source: Monthly Report by Maintenance Center, TOT	1991	8	52601	800	51615	49604	23251 23432	11913 11911	24713	35266	19802	1000						270744
ource : A	1991	1	52293	808	51316	49378	23251	11913	24336	34544	19598	1000						062436
S	1661	9	51.778	88	50783	49155	23135	11913	23886	34171	19233	1000						5854
	1991	S	92605	800	50392	4896I	22878	11912	23523	33528	19006	1000		1 1 1 1				2 92629
	1991	4	20567	800	50113	48792	22792	11906	22853	33272	18790	1000		2				50885 2
-	1991	3	50281	800	4	18553	22583	11901	22558	32981	17123	1000	- 1					27705
-	1991	2	1 .	800	49280 49552 49925	48215 48358 48553		11888	22236	32848	16743	1000		3		7		24571 2
	1991	1	48409 48676	908	6280	8215	22322 22470	11884	21741 2	32378	6454	1000				-		2483 24
	1990	12	48134 4	800	48980 4	47965 4	22186 2	11890 1	21481 2	32048 3	15540 1	1000						0024 25
-	1990	11	47914 4	800	48373 4	47804 4	22128 2	11891	21199 2	31629 3	15317 1	1000		1		-		8055 25
	1990	10	47660 4	800	47668 4	47343 4	22042 Z	11882	20853 2	31289 3	15318 1.	688			-			5744 24
	1990	9 1	47070 4	800	46645 4	47117 4	21976 2	11865 1	20716 20	30597 3;		688		1 1 2 2 2 2			-	
		8	47075 47	800				: ,		30439 30	331 15	879	106					607 242
	90 1990	7	46896 47		393 45	693 47	811 21	877 11	120 20		891 15							242
	1990 1990	9			45983 46218 46852 45948 45393 45615	45610 45759 46114 46457 46693 47059	21165 21488 20208 21728 21811 21931	11877 11916 11867 11877 11874	19375 19565 19651 20120 20703	29010 29783	16165 16170 16170 16975 17891 15331 15321				-			AREA 1 TTT 231825 234775 235422 238268 240464 242607 242996
ected		9	556 46632		352 45	114 46	12 802	11 916	565 19		70 16							122 238
es Conn	1990	5	22 46656	<u>32</u>	18 468	59 461	38 202	77 115	75 195	66 275	70 161			1		_		75 2254
Number of Lines Connected	1990	4	84 46522		33 462	10 457	55 214			38 273	55 161	٠	100					75 2347
Numb	1990	6	46284	77	459	<u> </u>	ļ.	11846	18584	en 2611		Suc						2318
	Exchange	Name	1 Phloen Chit	Ammerin Pleze	WOR	3 Semran Rat	4 Krung Kasem	Sea	5 Sukhumvit	6 Asok Din Daen 25188 27366 27941	7 Pathum Wan	7 Ma Bun Khrong	CP Tower	Thaniya	Chin	Hollywood	五 第 4	A 1 T.T
			1 Phlo	1 Amn	2 Surawong	3 Secur	4 Krun	4 Sam Sen	5 Sukh	6 Asol	7 Path	7 Ma 1	Ð	Ther	Tha Chin	Holl		ARE
	O		-	C	Ξ	-	•~	_	_	_		_		,t	7	_	L	-

2-1 Number of Lines Connected in the BMA (2/4)

	1	inumors of Lines Connected	1					-			_						5		come with Negation of the second of the seco					-	~
Code	Exchange	1990	1990	1980	86	<u>8</u>	1990	1990	1990	1990	1990	1991	1991	1661	1991	1881	1991	1991	1991	1991	1991	1991	ι	1992 19	1992
_	Name	3	4	5.	9	7	80	6	10	11	12	-	┨		-	H	╁	7	00	6	10	11	12		2
2	1 Chaiyaphruk	24507	24719	24804	23567	23779	Z3862	23880	23916	23934	24082	24107	24117	24142	24138	24152	24216	24353	24568	24772	24784	24783	24861 24	24942 2	25071
	Ĕ	11620	11615	11615	10902	10920	11002	11038	11144	11275	11318	11536	11656	11743	11936	12194	12409	12480	12644	12967	13128	13221	13250 13	13263 1	13337
	2 Khlong Toei	9714	9714	9719	9896	97/00	9702	1076	10/6	2026	9842	9845	9846	3852	9862	9866	9931	10239	10455	11109	11192	11308	11341 11	11392 1	11426
2 3	2 Tai Wa Tower	471	471	471	473	473	473	473	473	473	473	473	473	473	473	473	473	473	474	474	480	484	486	526	576
1	3 Pu Chao Samin	9866	9911	9941	10028	10093	10735	10905	11184	11782	12571	12996	13105	13160	13278	13397	13493	13614	13885	14038	14175	14206	14230 14	142,74	14245
2 3	3 Samus Prakan	7635	7676	7687	7673	7677	7679	7678	7682	2686	7692	6692	2696	7701	77710	7724	7736	7737	7756	7760	7769	7823	7871 8	8084	8247
2 3	3 Bang Pu	1033	1038	1050	1083	1090	1097	1097	1098	1011	1106	1111	1117	1156	1275	1405	1560	2073	2254	2733	2812	2854	2905 2	2945	2948
	3 Nikhom Bang Pu	7								-	-				152	237	299	304	304	334	354	367	388	387	387
2 4	4 Khlong Chan	29749	29065	29123	30014	30704	31130	31174	31265	31314	31438	31427	31686	31742	31803	31932	32251	32251	32240	32240	32251	32251	32240 32	32240 3:	32240
2 4	4 Lam Thong	1836	1837	1837	1829	1830	1832	1832	1830	1831	1835	1835	1837	1838	1840	1840	1841	1844	1843	9061	1906	1911	1912	1915	1917
2 4	4 Suen Num Bueng Kum	ng Kum								-	-	-	-	-	-			-	12	150	151	153	153	154	155
2 4	4 Suphapiban 3										-		-	-	-	-	-		-	-					202
2 4	4 Ha Karat		-														-						0	0	0
2 5	5 Phra Khanong	17897	18338	18784	19541	19973	20307	20369	20654	21059	21465	21662	21851	22004	22222	22379	22581	22878	23097	24527	24690	24807	24923 23	25071 2	25282
2 5	S On Nut	14029	14413	14926	15274	15922	16121	16138	16432	16680	61691	17097	17171	17258	17492	17591	17709	17781	18018	18448	18611	18665	18741 18	18935 1	19070
2 6	6 Trok Chan	21936	21965	21961	19879	19869	19858	19861	19849	19883	19888	19878	19880	19891	19888	19882	16861	16861	19926	20044	20237	20226	20295 20	20310 2	20402
2 7	7 Bang Na	25238	25416	25587	25206	25377	25572	25591	25778	25855	26070	26143	26184	26260	26317	26322	26345	26440	26812	26921	26940	26994	27057 2	27099 2	27117
2 7	7 Bang Phii	3963	3665	4017	4073	4073	4092	4092	4095	4112	4183	4218	4219	4246	4610	4862	5327	5584	5787	6552	8099	6229	6928	7198	7456
2 7	7 Bang Phli-Bang		592	265	299	109	109	109	809	200	773	813	849	885	506	919	8	975	978	1258	1291	1330	1351	1374	1408
2 7	7 Bang Na Tower		-										83	88	88	308	110	110	110	443	473	473	476	476	476
2 7	7 Nikhom Thepharak	rak							183	189	82	266	82	330	330	0	0	0	0	0	0	ō	0	0	
2 7	7 Bang Bo															-			29	217	255	152	315	328	33
2 8	8 Hua Mak	21177	22439	22670	22110	22320	22684	22786	22944	23039	23396	23534	23602	23696	23733	23959	24372	24546	24883	25297	25571	25792	25957 2	26080 2	26258
2 9	9 Bang Shan	9206	9396	9535	9614	5296	9841	9894	10123	10197	10337	10362	10372	10379	10393	10417	10592	10916	11281	11932	12244	12392	12437 1	12623 1	12728
	9 Nong Chok	676	949	949	946	946	946	947	954	926	98	8	8	362	8	296	27.7	11.6	974	116	878	979	282	983	985
2 9	9 Ramkhamheng							-																١ }	23
2	9 Lat Krabang	2736	2809	2893	2931	2959	2994	2827	2857	2870	2895	2908	2926	2934	2958	2989	5999	3014	3028	3102	3115	3137	3139	3159	3170
	9 Nikhom Lat Krabung	pumg		1.0												342	398	420	451	484	Ż	58	, 28	516	222
2 9	9 Sai Kongdin	17.1373														-				O			140	286	2
	9 Kheharomklao			1.1			: ::4	1		. 1						=	12	285	\$64	787	818	\$25	829	834	834
	9 Pravet	6.6	626	979	984	983	982	786	785	285	385	982	286	982	982	285	982	983	983	8	8	8	88		28
5	9 Phruk Sachat	1798	1799	1799	1788	1788	1790	1790	1792	1792	1795	1796	1798	1797	1799	1799	1801	1803	1806	1827	1868	1877	1891	- 1	ğ
2 10	10 Sethu Predit	5856	9886	9286	7656	9595	9675	16/6	57.66	10038	10057	10106	10350	10628	10965	11358	11905	12349	12837	13502	13858	14058	14148	14293	14443
2 10	10 Thanon Tok	13273	13607	13911	14021	14204	14302	14320	14482	14638	14806	14855	14941	14990	15038	15093	15161	15240	15300	15566	15595	15666	15700	15845	16072
ম	Sanam 2.4																						11	11	
-	Khlong Dan	- i						9	27 E					1			7				1 9				
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2-1 Number of Lines Connected in the BMA (3/4)

8		Number of Lines Connected	of Lines (Joan ecte	1 - 1	861	1390	081	861	861	1990	1881	1661	1661	1991			1991	Monthly R	1991		Maintens 1991	Asintensance Center	
-	Name			?	٥		8	6	2	=	2	-	7	6	4	2	ه	7	∞	- 1	의	_1	11	11 12
	i Lat Ya	23565	23627	23811	23892	24064	24205	24236	24323	24437	24502	24540	24547	24549	24564	24578	24627	24669	24713	24820	24827		- 7	24855
3.7	2 Bang Phiad 1		10094 10085 10081 10471	10081	10471	10467	10464 10445	10445	10437	10424	10424	10417	10409	10404	10397	10384	10374	10357	10414	10780	10847	7	10874	0874 10945 11000
e.	2 Bang Phiad 2		23689 24159	24533	24533 25568	25703	25831	25991	26204	26298	26368	26536	126921	77277	27571	27674	27780	27843	27945	28513	28242	8	28368	368 28583 28647
3	2 Phanumangsi	570	570	572	572	572	572	572	574	575	575	575	575	577	577	578	579	579	579	826	580	ķ	579	675 67
6	2 Muban Kitsada Nakhon 12	Nakhon I	2	9 T				0	0	0	0	0	403	1110	1219	1256	1661	2000	2000	2000	2000	2000		2000 2000
60	2 Muban Chuanchun	hun			1.0			7.							-			42	88	113	123	174		181
m	2 Po Phasuk			:				:		4			1					663	776	814	837	83		855
	2 Pinkiso Nakhorn 2	13.2																			595	969		725
6	3 Phasi Charoca	4815	4819	4702	4969	4969	4981	4985	4996	4997	4999	4997	4997	4995	4993	4993	4992	4987	4988	4989	5000	2000	1	2000
6	3 Phasi Charoen	2608	2608	2754	2592	2592	2592	2591	2652	2600	2611	2627	2643	2648	2662	2670	2686	2697	2708	2733	2735	2740		2753 2753
6.	3 Nong Khame	4876	4875	4878	4886	4999	5956	6323	6229	7513	8046	8534	8817	1716	9604	9665	10003	10230	10342	10858	11000	11049		11082 11359
£.)	3 Mu Ban Sethak	k 1962	1962	1962	1961	4892	6639	96.136	8669	2669	7033	7039	7409	1707	7082	7117	7133	7226	7293	7479	7499	8189		8744 9385
6.7	3 Shuddha Mont	765	268	768	735	740	740	739	793	802	815	817	818	818	818	618	821	823	829	839	241	843		844
(n)	3 M. Kanda																					_		
l	4 Racha Burana	12640	12651	12683	12687	12708	12740	12739	12744	12759	12812	12832	12863	12921	12932	12943	12976	13003	13036	13068	13080	13097		13123 13104
<u>. </u>	4 Phra Pradaeng		ŀ	1761	1488	İ	1477	1468	1467	1469	1469	1465	1465	1465	1464	1462	1461	1458	1458	1458	1458	1458	1	1453 1450
6	4 Phra Pradaeng	6162	919	6169	0609	6111	6137	6152	6159	6195	6232	6243	6253	6239	6210	6321	6336	6447	6543	1989	9217:	7358		7424 7737
60	4 Porn Phra Choo	956	956	956	8	8	8	262	8	596	996	796	696	696	696	973	973	27.6	7.17	626	286	585	1	88
3	5 Charansanitwo	M 4734	4729	4755	5059	5068	5071	5063	5064	5091	5095	5094	2089	5087	5100	5100	5093	1605	5100	5100	2096	2100	.,,	2605
l	5 Charansanitwo	13070	13326	13827	13256	13297	13353	13366	13418	13462	13508	13547	13562	13580	13606	13644	13689	13715	13837	13870	13919	13945		13985 14010
3	5 Bang Khae 1	5434	5458	5586	5999	0009	9000	0009	0009	2865	5982	5971	5961	2960	5946	5940	5933	5925	5924	5922	5910	5907	ויי	5904 5894
6	5 Bang Khae 2	7894	8029	8130	8084	8210	8296	8361	8430	8658	1688	9005	9111	9233	9303	9392	9464	9635	9856	10116	10201	10270	≥ 1	10395 10543
8	6 Dao Khanong	1 11584	11590	11593	11546	11557	11562	11561	11514	11512	11485	11473	11465	11461	11461	11460	11450	11444	11437	12000	12000	12000	21	12000 12000
	6 Dao Khanong	2 878	878	878	886	988	% %	939	1370	1664	2459	2615	2801	3626	4400	4968	5615	6042	6954	7439	7711	8011	-~v₁	8212 8395
	6 The Mall		8/.9	089	89		77.1	1111	788	792	803	803	803	808	805	805	1325	1410	1523	1570	1590	1604	ויייו	1625 1630
٠	7 Ekachai	15598	15718	15821	16045	16204	16387	16404	16440	16476	16543	16596	16624	16628	16650	16669	16686	16746	16766	17030	17130	17216		17271 17274
١.	8 Thon Burn	16668	16715	16780	17050	17091	17158	17211	17280	17364	17424	17469	17506	17554	17611	17621	17743	17824	18173	18465	18591	18683		18840 18910
Į.	8 Lat Ya (472)	:									1													526
ļ	Nong Khaem RSU4	RSU4				-														-				
<u> </u>																	:	:	-					
]					1		- 20.11.00	1	1000	535TC 0363E 19110 11100C 3660C 13060C 2000C 2000C 1000C 1000C 1000C 1000C 1000C 100C 1							-		1000	- Javace		-		

2-1 Number of Lines Connected in the BMA (4/4)

					•						i			_											
Code	Exchange	1980	8	1990	561 861	8	86	861	1990	861 861	861	1991	1661	1961	1881	188	1991	55	87	1991 1991 1991 1991 1991	1991	1991	1	1992	85
L	Name	3	1-	5	9	7	00	6	2	Ξ	12	-	2	3	4	8	9	\vdash	00	6	01	11	 	}	7
4	1 Phahonyotin	23180	23140	23268	24095	24151	24169	24183	25158	25220	25218	25306	25323	25312	25344	25343	25343	25374	25451	25449	6	25466	95	25480	25485
4 2	2 Ngam Wong W	18138	18587 18617	18617	19428	19967	20135	20165	20322	21922	23045	23783	24883	25615	26374	26767	1 :	27187	27347	28484	28895	29060	29209	30149	30437
4 2	2 Bang Bua Thor	296	862	\$2	446	946	646	954	956	926	756	963	5965	996	996	996	196	696	970	576	51.6	673	926	277	1001
4 3	3 Ramindra	11821	11828 11785 11790 11802	11785	11790		11816	11813	11815	11937	12458	13603	14034	14444	14733	14821	14872	15016	15077	15261	15284	15308	15324	15367	15404
4 3	3 Lat Prao 2	24401	24514	24692	24729	24815	25011	25072	25233	25358	25384	25440	25440	25440	25440	25440	25440	25424	25564	26225	26934	27269	27401	27440	27440
4 3	3 Golden Place		-												,			8	586	742	- 692	800	813	819	819
4	S	14865	14969	15110	15364	t	15428 15456	15459	15469	1542	15543	15558	15575	15592	15610	15654	15770	15893	17921	18097	18125	18186	18228	18270	18305
4	4 Lak Si	13799	13900	13883		13908	13919	13918	13919	13933	13943	13962	13960	13973	13973	14092	14490	14971	15574	16618	16677	16720	16847	16858	16877
4	4 Thung Sckan	1959	1959	1981	1989	5269	2797	2814	2845	2857	2859	2866	2872	2873	2872	2879	2878	2875	2876	2900	2908	2909	2911	2912	2914
1	5 Rungsit	1981	9502	198	2024	Ι.	2551	2615	2834	3289	3421	3574	3627	3700	3706	3731	3767	3860	4189	4439	4580	4805	4905	4964	5035
4 5	5 Don Muang	14349	15128	15236	15653	15793	16095	16147	16574	16635	16722	16793	16809	16835	16838	17273	17541	17576	17615	17770	17720	17720	17720	17720	17720
4 5	S Navanakhon	2495	2430	2581	1652	2580	2596	2597	2621	2628	2656	291.7	2942	2959	3082	3329	3511	3596	3661	3741	3740	3757	3798	3802	4043
4 5	S Thanya Buri	945	8,8	961	98	%	126	696	971	976	976	286	286	786	586	586	586	686	686	886	066	166	266	665	992
5	5 Ying Olan																				.11	588	1008	1222	1436
\$	5 Muang Ek	672	719	820	168	893	908	931	8	942	945	845	945	946	1000	1000	1000	1000	666	1000	1000	1000	1000	1000	666
4 5	S Lam Luk Ka															127	256	433	533	585	595	909	614	671	672
١.	5 Chao Fha																		_		}	45	222	464	512
ĮĖ.	5 Sai Mai																				321	570	638	695	726
9	6 Bang Sue	22040	22083	22286	22391	22547	22555	22607	22644	22664	22674	22691	22.703	22705	22708	22720	22740	22817	22840	22875	22877	22905	22938	22950	22964
1.:	6 Nonthaburi		6243	6214	6217	1 1	6454	6687	7550	7854	8447	8517	8554	8567	8582	8626	8662	8695	8823	8883	8902	8925	8933)	8951	8967
1	7 Inthamara		1	12343	12565	12787	13446	13789	14396	16073	16833	17420	17664	18096	18796	19678	20613	21138	21473	22999	23151	23195	23222	24203	25658
4	8 Pak Kret	11800	12049	12007		12167 12339	12527	12596	12333	12536	12587	12768	12845	12982	13085	13137	13181	13229	13395	14345	14514	14623	14728	14797	14970
8	8 Pathum Thani	1974	1974	2000	2000	2306	2675	2746	2865	2950	2973	3200	3379	4027	4341	4435	4546	4614	4717	2000	5065	5121	5157	5419	5243
8	8 Bang Kradi								442	448	448	449	451	453	453	455	457	457	459	561	719	753	768	768	768
1 :	8 Sem Khok		- : : :	- 1					1.00		F T	3 T				- 4									294
	9 Bang Khen	11774	11774	11842	11854	11858	11866	11874	10965	10955	11253	13368	14166	15228	14124	14281	14446	14576	14662	14730	14946	14973	15011	15037	15070
	9 Lat Phron 1	13899	14775	15669	16907	17614	18199	18442	18824	19042	19177	19339	19508	19682	19778	19884	18661	20138	20178	20347	20401	20478	20554	20612	20635
9	9 Sona Nikom										1.		2	6	411	1255	1708	1878	1953	2135	2193	2238	2376	2436	2505
0	9 Wang Hin						- 1						0	0	1902	2044	2326	2616	2821	3274	3274	3327	3494	3599	3610
9	9 Ban Kaeo Villa			1											0	0	٥	٥	٥	0	0	٧	٥	9	
١.	9 Tans Thani									:	1		V		0	0	٥	0	٥	0	٥	25	Į.	82	255
4	Central Plaza						9.29																	-	
4	IBM Building		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																						
₹	Drail	A Section of the Assessment of							1					*					. 1				1		
4	Ministry of Finance	ace		100			2					2 - 2					: ;					3			

2-2 Number of Ordinary Telephone Faults in the BMA (1/4)

		Number of Fault (Ordinary Telephone)	of Fault (Ordinar	7 Telepho	ae)		1	1		- 200	2 2 1					S	ource : M	onthly Re	eport by	Source: Monthly Report by Maintenance Center, TOT	nce Cent	TOT.		
Sode	e Exchange 1990	1990	1990	1990	1990 1990	1990	1990	1990	1990	1990	1990	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1992	1992
	Name	-3	4	. 5	9	7	8	6	10	11	12	1	2	3	4	. 5	- 9	1	80	6	10	11	12	1	2
=		1101	839	1327	1169	1144	1240	1313	2004	1200	780	843	5962	1142	1391	1758	1524	1532	1544	1226	1558	1130	8	942	837
-	1 Ammarin Plaza		200 200 200 200 200 200 200 200 200 200											<u></u>	0	0	0	0	O	0	0	0	 		
-	2 Surawong	1048	-	1013	758 1013 1051	942	1102	1078	1357	296	169	752	691	718	986	1136	1260	696	1296	1016	1056	724	268	674	529
-	3 Samran Rat		939	1358	1312 939 1358 1410	1366	1403	1472	2157	1402	1084	1156	918	1125	1162	1508	1721	1446	1360	1553	1643	1036	292	886	955
-	4 Krung Kasem	2011	2011 1199 1213	1213	763	738	591	462	677	493	300	436	378	393	404	510	539	513	464	534	261	391	268	310	237
-	4 Sam Sen	518	394	735	408	398	327	340	454	326	216	293	202	228	327	351	411	360	328	316	386	260	226	224	206
=	5 Sukhumvit	656	425	705	634	734	708	564	898	658	488	531	339	296	525	595	649	569	089	959	299	416	315	382	354
-	6 Asok Din Deen	369	409	631	469	447	499	409	710	1.09	388	371	357	358	496	517	441	408	441	504	473	357	302	351	333
-	7 Pathum Wan	320	282	425	383	385	423	390	617	328	243	342	274	284	611	498	432	332	412	422	531	295	339	347	270
-	7 Ma Bun Khrong	3						1 -							0	0	ō	0	ō	0	0	0			
	CP Tower				7																- 4		:	-	
	Thaniya					- C				-	-		1						-	·					
1	Tha Chin										-														
=	Hollywood													-											
																		_							
-	AREA I TTL	1	7664 5245		7407 6287	6154	6293 6028	6028	8844	5976	4190	4724	4124	4844	2902	6873	2269	6123	6525	6227	02.89	4609	3690	4218	3721

2-2 Number of Ordinary Telephone Faults in the BMA (2/4)

Code E 2 1 Cha 2 2 Thu	9	1990	2000 1000 1000 1000			5	1	1	5	4	╁	ł	+	1	4		3	1	1	1000	}{	1		-	7
2 2	:		-	3	8	3	861	8		1990	1990	1661	166	1661	1.06	1991	1991	1661	1991	1991 19	1991 1991	1991	76		1992
1 2	Name	3	4	5	9	7	8 0	6	Ͱ	┼	+	Ͱ	1	}	 	1-	┢	-	-	╀	╁	12	-	}_	
2	1 Chaiyaphruk	722	603	865	622	717	700 7	577	1037	718	497	576	512	625	637	725	9/9	699	743	725	873	991			\$43
	Thung Mahame	372	218	447	371	419	477	23	732	526	350	417	398	435	472	260	\$	370	141	448		L		344	315
2	2 Khlong Toei	210	178	263	222	229	255	92	288	177	158	180	145	181	88	292	236	275	365	308	367	198		7.74	112
2 2 Tai	2 Tai Wa Tower		o			0		0	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	0	0	ା
2 3 Pu (3 Pu Chao Samin	528	453	800	622	717	786	858	1067	77	585	×	510	798	811	\$	1111	\$	1036	1019	1304	1063	626	776	13
2 3 Sam	3 Samut Prakan	432	327	605	361	419	480	418	949	427	313	904	336	410	450	\$45	572	426	529	581		439		447	33
	g Pu	155	7.5	111	2/2	09	8	8	110	63	£	45	8	જ	2	62	43	33	65	6.5	63	٠,		88	6
2 3 Nik	3 Nikhom Bang Pu	-			-				-			-	-		19	22	8	181	g	K	43			41	6
2 4 Khk	4 Khlong Chan	1134	724	1270	1140	1273	1265	1225	1591	1027	810	843	784	206	L	1385	1149	1143	1241	1711		, 566	788	772	759
2 4 Lam	4 Lam Thong	40	28	57	29	56	63	75	75	36	28	39	82	22	69	87	\$	59	8	%	79			57	49
	4 Suen Num Bueng Kum	g Kum	-									-		 	-			-	59	30	34	27	6	18	14
2 4 Sup	4 Suphapiban 3							-	-	-	-	-	-					-	-						23
L	Karat										-		_	-	-	-				_	_		0	0	ō
! _	5 Phra Khanong	575	438	\$98	<u>4</u>	530	551	535	797	513	389	435	417	528	60 24	655	651	547	609	493	989	436	369	438	420
2 5 On Nut	Net	264	188	377	312	377	340	384	523	328	302	281	302	314	394	432	362	331	485	435		İ		413	33
2 6 Trol	6 Trok Chan	512	433	685	521	579	289	240	783	529	356	430	338	425	510	636	630	477	547	542	905		267	432	339
2 7 Bang Na	g Na	831	615	1039	980	8	1152	1144	1493	1110	781	864	742	873	976	1171	1159	1020	1235	1276		1022		8	785
	7 Bang Phli	421	351	546	354	485	462	493	659	4.18	300	377	323	382	454	505	009	518	607	129	726	8		313	317
1	7 Bang Phil-Bang	82	82	137	167	137	ş	8	119	96	38	54	36	63	7.5	10%	፠	2	78	42	8	49	32	35	2
2 7 Ban	7 Bang Na Tower												0	0	o	2	7	3	5	2	77	3	4	*	3
	7 Nikhorn Thepharak	Arr	-						0	7	7	4	5	13	90	33	28	17	58	53	11	45	21	17	33
2 7 Bang Bo	g Bo		-	 -						- <u>-</u>									15	12	19	37	8	6	16
2 8 Hua Mak	Mak	689	692	1067	865	923	686	698	1290	778	553	720	(799	38	958	1212	979	808	8	816	1048	745	540	408	493
	9 Bang Shan	254	238	336	351	352	374	357	443	339	207	192	233	252	345	418	410	368	338	369	371	325	252	297	229
2 9 Non	9 Nong Chok	300	55	176	79	134	112	¥	86	8	65	67	28	30	20	112	112	136	126	110	8	83	83	2	55
2 9 Ran	9 Remkhamheng															-			-			_	-		×
	9 Lat Krabang	120	132	220	152	203	189	268	315	212	159	162	150	157	197	172	141	152	186	24	207	140	621	23	ğ
2 9 Nie	9 Nikhom Lat Krabung	Burno											-		-	1.1	6	ম	17	75	19	23	٥	12	위
	9 Sai Kongdin														-	_				2	23	7	-	22	11
Į	9 Kheharomklao															٣	6	2	=	18	17	14	82	6	-
2 9 Pravet	Į.	11	25	18	8	88	20	75	81	65	44	55	19	82	79	116	83	75	87	73	79	41	श्ल	37	8
	9 Phruk Sachat	48	47	106	15	1.9	73	8	101	8	45	49	48	51	73	- 9/	2	88	85	102	112	75	જ	69	0
2 10 Sethu Predit	n Pradit	410	246	462	453	354	280	430	499	309	190	283	256	296	383	409	531	327	356	341	277	822	232	242	13
2 10 Thenon Tok	non Tok	307	190	387	319	320	294	319	421	267	208	266	1231	236	322	360	414	317	375	386	491	241	Ä	747	313
2 Sen	Senam 2.4				1 1								1 1 1 1 1 1												
	Khlong Dan																						16	12	
												_						-				-	· 1		
2	AREA 2 TTL	8283	6402	10702	8611	\$38	9798	9820	13165	8893	6439	7364	9/99	7903	9246	11080	10691	9183	10686	10390	12114	8332	6507	7835	8

2-2 Number of Ordinary Telephone Faults in the BMA (3/4)

						-	-		-	-						F								-	Γ
		Number of Fault (Ordinary Telephone	of Fault (Ordinary	, Telepho	e)											Source	e: Mont	Source: Monthly Report by Maintenance Center,	by Mair	tenance		101		Ī
Code	e Exchange	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990 1	1991	1991	1991	1991 1991	91 1991	1991	1991	1 1991	1991	1991	1991	1992	1992	~
	Name	3	4	5	9	7	80	6	10	-11-	12		2	3	4	S	. 9	8	6	10	11	12	1	2	
m	1 Lat Ya	458	325	523	588	545	591	695	260	488	371	295	408	497	597	551	566 5	504	592 5	577 6	643	365 2	259 355		265
(*)	2 Bang Phlad 1	435	324	410	413	401	364	390	98	358	265	307	523	251	309	619	531 4	461 5	549 5	538 64	662 4	425 3	334 382		387
	2 Bang Phlad 2	630		476	466	460	527	520	728	586	369	453	370	463	419	984	970	722 9	976		018 6	676 5	541 681		88
	2 Phanurangsi	0,4	69	æ	83	28	11	22	18	14	01	10	3	7	91	18			34	, 12	43	22	20 21		33
60	2 Muban Kitsada Nakbon 12	ta Nakhon	71					0	0	2	9	0	8	18	25	39	63	49		44		25		31	3
(*)	2 Muban Chuanchun	nchun				-		-						-				10	15	21(23	13	19 1	15	م
	2 Po Phasuk						1.0	-		<u></u>				3				17	23	12	14	9	14	6	Q,
	2 Pinklao Nakhorn 2	iora 2	ja Ja								<u>.</u>					-				1	11	19	12 1	17	4
en.	3 Phasi Charoen	a 360	287	386	302	328	369	323	475	348	230	229	237	287	326	343	310 2	263 3	350 25	252 34	349 1	183	101		128
	3 Phasi Charoen	m 182	128	172	127	151	146	140	177	132	112	112	112	137	164	139	145 1	133 1	141 14	143 - 10	164	80	47 5	26	89
m	3 Nong Khame	349	405	388	370	486	372	368	521	399	243	27.2	299	345	477	044	413 4	431 4	466 57	520 5	585 4	401	276 350		358
10	3 Mu Ban Sethak	ak 167	166	221	160	210	207	317	413	277	142	189	146	188	220	201	209 2	200	293 24	248 2	275. 2	268 2	247 279		235
ı	3 Bhuddha Mont	56 pu	82	88	25	72	56	2	77	8	ક્ડ	75	37	42	82	83	79	46	7 85	41	73	40	27 3	8	정
m	3 M. Kanda								 	-									\ 	1 1 1 1				-	4
100	4 Racha Burana	2 414	336	474	38	429	417	452	616	389	250	275	188	526	298	314	334 2	261 3	325 30	308 3	379 2	250 2	208 237		569
60	4 Phra Pradaeng	167		149	172	169	169	185	220	142	68	102	84	66	118	109	189	116 1	119 12	133 10	107	59	53 6	63	8
(4)	4 Phra Pradaeng	327	566	363	38	401	396	426	199	382	249	227	220	260	361	392	530 3	311 3	332 39	398 3:	359 2	216 2	209 192	_	159
m	4 Pom Phra Choc	06 501	57	110	57	49	43	52	86	34	13	27	22	19	57	65		63		46	16	30	16 1	13	77
m	5 Charansanitwos	voi 237	189	280	245	258	244	257	342	211	131	200	147	217	254	224	226	165 2	288 2	211 3	317 1	153	118 140		141
67	5 Charansanitwor	vor 437	:	995	534	205	467	523	642	452	331	422	344	453	491	512			567	541 5	566 3	363 2	295 338		278
ţ'n	5 Bang Khae 1	243	210	285	253	286	267	273	374	226	147	163	140	190	262	220	310 2	261 2	244 29	268 3	365	176 1	129 210	l	140
ţn	5 Bang Khae 2		175	210	249	216	232	307	397	277	220	224	173	222	270	281	328 2	256 - 3	303	340 4	435 2	231		Ì	197
m	6 Dao Khanong			492	569	537	555	591	854	607	379	409	386	462	505	473		298 3	322 34	304	474 2	287 2	222 318		27
ť	6 Dao Khanong	8.2 33	16	\$	27	21	15	61	98	89	73	88	57	79	116	88	118	129 1			122	110	110 126		8
6	6 The Mail	2	S.	3	9	4	3	6	7	en	. 5	4	3	3	2	0	24	31	18		40	42	23 48		82
(6)	7 Ekachai	576	464	570	775	788	069	756	1104	36/	562	583	462	643	764	781	716	715 7	795 72	722 7	716 5	556 3	371 497	_	498
m	8 Thon Buri	8	481	622	286	601	643	671	628	540	403	461	332	470	550	572	705 5	515 5	599 66	683 74	747 3	393 3	321 378		33
m	8 Lat Ya (472)																	34	24	33	67	18	17 2	25	47
<u> </u>	Nong Khaem RSU4	RSU4																				-			T
																				_					1
	AREA 3 TIL	8679	5229	6883	6807	6942	6784	7276	10035	1089	4661	5399	4407	5578	6683	7448 8	8157 65	6539 76	7602 7300		8580 54	5410 42	4200 5159	4709	8

2-2 Number of Ordinary Telephone Faults in the BMA (4/4)

			, ,			,						-	-		-	1			1				150	-	
1		Number of Fault (Ordinary Telephone)	L rault	Oreman)	releps.	oue)				+		+	+	+	-	+	╗	ECC: 33	onthly K	eport 3	Mainten	Source : Monthly Report by Maintenance Lenter, 10:	3	+	Ī
ပို	Exchange	1990	198 28	1990	1990	986	1980	1990	380	1990	1990	1991	1991	1991	1991	1991	1661	1991	1991	1991	1991	8	1991	1992	1992
	Name	3	4	3	9	7	80	6	10	11	12	1-	2	-	4	5		1	8	6	10	11	12	1	2
4	1 Phahonyotin	1234	1053	1522	1233	,,,	1356	1253	1746	1396	1266	1352	1011	1389	1566	1781	1600	1553	1475	1577	1584	1278	877	1094	982
4	2 Ngam Wong W	878	617	158	766		Ĭ.	1032	1481	1081	299	746	715	792	686	1432	1422	1120	1314	1357	1536	1013	759	818	88
4	2 Bang Bua Thor		83	97		75	35	8	140	109	65	110	. 67	7.1	96	Z	140	123	143	146	157	141	28	111	8
	3 Ramindra	319	231	460	417	493	41.5	525	651	407	308	363	326	432	386	569	655	621	200	545	650	208	424	489	417
4	3 Lat Prao 2	912	614	1069	898	1074	934	876	1124	778	654	685	588	749	1062	1021	1208	1012	1133	1158	1330	296	735	818	8
ı	3 Golden Place									-		-							2	14	21	10	6	12	7
	4 Chaeng Wattan	358	328	411	389	450		476	885	416	314	374	38	411	426	537	583	165	671	98	707	497	283	356	389
1_	4 Lak Si		515	646		L	640	740	1002	567	416	409	423	471	521	688	269	750	815	96/	781	516	373	474	537
4	4 Thung Sekan	141	68	133				215	294	248	125	132	901	146	182	596	307	286	296	264	319	241	147	194	218
Ĺ.	5 Rungsit	230	179	176				254	242	178	120	153	372	224	175	182	259	221	241	238	283	226	162	184	146
4	5 Don Muang	663	25 85 85	820		ľ		889	1165	743	443	545	406	549	541	782	268	779	710	716	1214	956	109	650	610
1	5 Navanakhon	189	119	167	176	195	172	123	208	142	101	114	81	181	131	139	154	138	118	153	144	134	45	74	8
1	5 Thanya Buni	249	208	276	L			549	364	330	722	213	167	171	181	187	152	143	121	159	151	117	129	100	96
1	5 Ying Olan					Ĺ										-					23	40	35	61	29
,	5 Muang Ek	55	55	71	98	28	23	4	66	29	34	31	35	96	37	56	40	58	58	62	73	39	42	42	33
Ŀ.	5 Lam Luk Ka					L				-	_	-				11	6	59	33	40	36	52	38	24	12
1	5 Chao Fha																	-			4	4	3	10	10
I	5 Sai Mai																				0	7	3	6	5
L	6 Bang Sue	658	533	819	701	675	715	799	1113	706	567	555	572	642	602	1010	875	746	830	781	919	999	442	584	571
1	6 Nonthaburi	514	443	587				489	760	470	376	452	327	351	368	523	654	455	909	514	267	388	238	304	292
ŀ	7 Inthamara	1062	1026	1306	1087	963	161	1029	1574	1261	889	828	821	970	1173	1095	1062	922	666	886	1093	748	540	772	845
1	8 Pak Kret	325	526	405				384	603	352	246	325	228	240	320	670	593	433	575	25	689	470	314	352	412
1	8 Pathum Thani	184	155	220				247	223	153	110	104	8	143	123	232	249	274	212	275	270	163	126	171	222
	8 Bang Kradi								3	5	2	0	3.	2	0	5	Γ-	5	11	4	2	16	4	3	~
1	8 Sam Khok																2								13
l	9 Bang Khen	791	594	783	792	882	857	917	1058	720	487	529	419	476	468	539	472	479	9	\$	629		292	33	377
1	9 Lat Phroa 1	1067	711	857	988	1042	886	996	1206	786	590	749	682	1226	8	1106	1173	937	180	1	- [8	631	22	782
	9 Sena Nikom						- 2						٥	51	92	113	88	82	77	8	.	4	K	47	23
4	9 Wang Hin	100											0	4	41	108	59	19	57	7			4	12	63
	9 Ban Kaco Villa						7.								91	15	19	23	2	80	92	16	51	6	21
	9 Tana Thani										3				10	- 17	11	11	7	11	20	14	12	10	~
4	Central Plaza																				i		7		
4	IBM Building									-						3									
4	Dnal																								
7	Ministry of Finance	ance.																				7 A			
											31														
4	AREA 4 771.	10472	1	8430 11676	10269	11104	10929	11597	11597 15701	10885	2003	8769	7848	6886	10527 13208		13407	11883	12664	13407 11883 12664 12965		14450 10569	7373	9077	9033
1			ı								1														

2-3 Number of Faults on the PABX Subscriber Lines in the BMA (1/4)

Ļ	a grade and	Number	Number of Fault (PABX)	PABX)				-			-						S	ource: M	onthiv R	eport by	Source: Monthly Report by Maintenance Center, TOT	ace Cente	r, TOT		
င် ပိ	e Exchange	1990	1990	1990	1990	0661	1990	1990	1590	1990	1990	1991	1661	1661	1991	1991	1661	1661	1661	1661	1661	1991	1991	1992	1992
	Name	۲.	4	5	9	r	8	6	10	11	12	1	2	3	4	5	9	7	8	. 6	10	11	12	1	2
_	1 Phloen Chit	355	302	413	455	386	436	459	583	197	278	305	317	416	471	697	616	645	276	531	451	430	288	409	373
_	1 Ammarin Piaza	55						1		-	<u> </u>		<u> </u>	š. ,	0	0	0	0	0	0	0	0		: 	
-	2 Surawong	376	326	420	487	402	403	436	537	410	322	364	284	301	396	487	445	389	476	406	407	302	176	261	264
	3 Samran Rat	293	3 226	313	321	312	397	379	519	404	265	325	261	228	291	389	795	311	356	369	391	294	170	257	202
-	4 Krung Kasem	261	223	539	196	168	188	194	183	162	137	148	132	124	166	198	185	123	113	192	218	157	110	146	117
Ε	4 Sam Sen	45	30	57	52	69	46	2	73	37	43	40	27	52	69	37	09	62	59	53	8	31	35	38	40
-	5 Sukhumvit	103	3 47	113	108	134	131	146	117	100	29	75	38	86	89	92	100	92	118	107	117	63	56	82	77
-	6 Asok Din Daen	119	72	122	8	75	96	81	81	113	83	88	80	81	26	96	70	99	99	63	91	20	46	. 89	92
Ξ	7 Pathum Wan	93	9 . 63	19	29	20	87	126	113	89	55	6.7	67	95	86	8	78	22	80	88	106	19	49	101	61
_	7 Ma Bun Khrong	Bu			14				: .		-				0	0	0	0	0	0	0	0	_		
	CP Tower																								
_	Thaniya						1.														-	-			
	Tha Chin																								•
_	Hollywood									-					1			-		. :	-				
													~-		.			-						-	
	AREA I TIL	1645	1289	1738	1776	1616	1784	1856	2206	1755	1250	1412	1206	1356	1635	2095	2016	1772	1844	1835	1871	1390	930	1362	1226

2-3 Number of Faults on the PABX Subscriber Lines in the BMA (2/4)

	1992	2	65	41	50		111	¥	14	14	65	1-1	6	1	0	90	7	35	48	F	4	-1	==	9	35	42	5		9	9	<u>م</u>	0	0	0	22	27				8
			26	35	53	0	159	42	19	4	41	0	0		Ö	14	11	37	4	꿃	Ŧ	0	19	3	28	36	2	-	ខ្ព	0	0	0	. 5	ra.	37	43		0		816
ŭ	1992	_	4	5	98	0	36	77	4	2	63	2	0		0	8	11	17		8	00	ø	9	1	38	39	٥		14	0	0	0	4	Ŋ	Ø	15		0		88
enter, T	1991	12	-					ŀ					ø											6		•		_	20	2		0	3	2	0	90			-	846
ance C	<u>18</u>	11					1		4		35	7																		Į			:							
Maintenance Center, TOT	185	10	125	72	59	0	175	33	ន	4	4	S	0			13	6	43	ĸ	170	12	C	S	4	100	47			29	7	٥	3			41	31				1164
port by		6	દ	69	52	0	ğ	56	==	01	53					14	12	52	83	8	Ç.	0	5	6.2	3	47	10		77	2	٥	0	8	1	55	21				626
nthiy R.	1991	80	122	78	72	0	157	40	2	N	5	4	0	-		21	14	28	28	133	19	ō	4	10	87	48	12		18	ত		0	7	0	41	17				1100
Source: Monthly Report	16	7	8	46	2	0	171	20	27	4	8	7	-		-	26	5	48	81	178	61	1	5		55	46	18	-	23	0	-	0	8	2	42	11				1040
ŝ	1		*	88	8	0	8	88	ম	10	22	2	-		-	36	12	77	29	5	17	0	7		93	69	22		7	F1		0	5	2	65	8				1212
_	1991	9	116	125	12	0	7.7	23	28	3	88	3	_	_		55	16	53	87	12	29	0	12		110	46	6	-	39	S		0	7	0	77	\$			-	1267
_	1881	5					\lceil							_			17			76 1						40	90		46				80	0	69	15				
	<u>8</u>	4	•			0	-		31													. [1078
	1991	3		52	27	0	8	4	26		2	0				31	5	50	61	73	80		0		88	33	4		41				8	0	47	12				850
	<u>8</u>	2	81	33	32	0	87	40	ន		S	S				32	13	42	8	63	18	0	0		\$	×	٥		45				6	2	49	15				808
-	1991		85	44	35	0	103	8	22	-	57	0				18	12	46	72	137	17		0		93	28	٣		19				8	- 3	61	21	1			1885
	1990	<u> </u>	103	52	22	o	22	30	8	-	3	0	-			17	15	20	29	2	14		0		4	13	6		2	-			2	0	58	15				770
	1990	1	126	105	51	0	122	65	88	-	35	-		-		16	4	51	8	88	14		0		82	4	5		43			-	4	0	11	19	_			1003
_	-	1	183	129	63	0	99	38	12	_	88	0	-	_	-	7.1	11	82	111	127	17		0		86	54	2	-	99				10	2	107	24		H		532
	1990	10				0	66	90	35	_	X	0	-	_						147	91				63	38	5	_	41				11	0	78	56				-
	1990	6					Ì		1				_	_				L.			ا ا						9						7	0	₽	1				122
	198 88	00	115		4			8			4							79		91	16				56				72						23	21				1112
	1990	7	96	54	46	0	119	24	28		51	0				44	13	37	65	91	12				80	51	00		55				9	3	72	14				972
	1990	9	110	68	47		126	4	37		×	-		-		37	17	55	59	8	19				83	41	10		33				=		73	23				1076
(BX)	1990	'n	181	91	40		138	8	47		5.7	_				40	14	28	57	89	20				113	36	10		48			<u>_</u>	9	1	107	23	_			1236
Number of Fault (PABX	1990	4	115	49	40	0	86	30	35		29	0		-		25	٥٠	27	32	55	23				40	24	3		28				10	Ó	51	16	_			736
beroff			133	51	32		115	69	67		56	0	E E	-		25	6	50	65	95	17				80	28	6		34				S	3	3 8	25		H		1052
	1990	3		me		ja.				P.	-		ueng Kı		_	8		:	 -		Str	¥G.	charak					18		Krabung		0					-			
	Exchange	Name	/aphruk	2 Thung Maham	ng Toei	2 Tai Wa Tower	3 Pu Chao Samin	3 Samut Prakan	Pu	3 Nikhom Bang Pu	4 Khlong Chan	Inong	4 Suen Num Bueng Kum	4 Suphapiban 3	araî	5 Phra Khanong	lut	Chan	Z,	Phli	7 Bang Phi-Bang	7 Bang Na Tower	7 Nikhom Thepharak	Во	Mak	Shan	Chok	9 Remkhambeng	rabang	9 Nikhom Lat Krabung	ongdin	9 Kheharomklao		Sachat	Pradit	on Tok	n 2.4	Khlong Dan		AREA 2 TTL
_			1 Chaiyaphruk	2 Thun	2 Khlong Toei	2 Tai V	3 Pu C	3 Samu	3 Bang Pu	3 Nikb	4 Khlo	4 Lam Thong	4 Suen	4 Suph	4 Ha Karat	5 Phra	5 On Nut	6 Trok Chan	7 Bang Na	7 Bang Phli	7 Bang	7 Bang	7 Nikh	7 Bang Bo	8 Hua Mak	9 Bang Shan	9 Nong Chek	9 Remi	9 Lat Krabang	9 Nikh	9 Sai Kongdin	9 Kheh	9 Pravet	9 Phruk Sacha	10 Sathu Pradit	10 Thenon Tok	Sanam 2.4	S.		ARE
\exists	8		1	1	1		1	1 1	2		1	1	1 1	7		7	7	7		1 1	7	2	1 1) '	7	2	7) i	1 1		l .	7					回		7

2-3 Number of Faults on the PABX Subscriber Lines in the BMA (3/4)

																				1					
		Number of Funk (PABX	(Fanh)	PABX)			_	1							 -:		Source	ce: Monthly	thly Report	8	Maintenance	Cult.	101		
8	Exchange	1990	1990	1990	1990	1990	1990	1990	1990	1 066	990	1991	166	1661	1991 19	991 199	1991	1 1991	1661		1661	661 16		992 1	766
12 142	Name	3	4	5	9	- 1	80	6	10	11	12	1	2	3	4	5 6		.80		9	10 1	11 12			7
3	1 Lat Ya	22	16	32	27	18	22	27	22	25	17	27	21	21	41	43	41	30	48	28	30	34	6	81	12
3	2 Bang Phlad 1	18	17	82	77	20	82	38	28	10	80	22	11	22	56	19	18	19	32	22	40	53	22	83	13
m	2 Bang Phiad 2	25	10	82	15	52	61	22	48	23	11	20	23	31	13	29	32	40	41	43	43	30	22	21	ያን
m	2 Phantrags	٥	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
60	2 Muban Kirsada Nakhon 12	Nakhon 1.	2					0	0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	٥
	2 Muban Chuanchun	hun		-					<u>. </u>									0	0	0	0	0	0	0	ပ
٣	2 Po Phasuk							-			L							0	0	0	0	0	0	0	٥
	2 Pinklao Nakhorn 2	n 2					-	-	-	-		-									0	0	0	0	Ö
	3 Phasi Charoen	14	11	15	12	21	21	9	15	6	14	17	21	- 18	32	18	22	7	19	16	56	11	2	6	3
	3 Phasi Charoen	10	٥	12	9	14	=	- 12	20	13	17	11	15	4	20	11	14	12	8	5	16	4	8	7	7
٣	3 Nong Khame	33	48	4	38	53	35	36	39	15	22	22	32	35	46	20	44	37	31	52	ST	48	17	31	34
	3 Mu Ban Sethak		6	12	7	12	7	3	o	.00	3	77	m	2	7	- 8	10	7	7	1	10	11	.5	3	80
m	3 Bhuddha Mont	40	1	Ľ	2	0	2	0	Ö	2	0	2	1	3	2	10	6	3	3	9	ō	ō	7	0	0
3	3 M. Kanda						-	-	-	•				<u>. </u>											0
60	4 Racha Burana	48	19	22	27	28	30	47	46	33	15	23	15	31	25	30	59	28	24	25	41	13	4	7	<u>::</u>
8	4 Phra Pradaeng	32	11	15	30	28	52	56	59	7	1	10	10	14	36	31	21	17	6	16	15	δ.	12	10	15.
E.	4 Phra Pradaeng	35	20	33	37	38	49	44	47	26	12	16	28	25	37	49	37	35	52	46	22	23	23	11	74
٣	4 Pom Phra Choc	40	26	9	30	23	24	7	28	23	15	15	22	37	57	40	23	77	23	31	17	20	13	٥	53
m	5 Charansanitwo		15	13	4	90	14	12	7	12		10	14	8	13	00	15	14	12	14	11	14	9	8	11
m	5 Charansanitwo	2	en	15	9	শ	13	9	90	6	3	5	17	છ	9	7	15	8	9	18	2	00	S	10	11
m	5 Bang Khae 1	12	9	11	7	11	2	5	12	5	4	œ	4	3	22	2	11	9	7	9	2	7		ላን	٥
3	5 Bang Khae 2	25	15	14	9	5	2	16	. 13	13	16	15	15	12	6	17	8	8	14	28	18	13	8	=	티
60	6 Dao Khanong 3	21	14	13	24	4	2	23	23	*	16	16	21	11	21	21	15	21	20	14	11	11	2	0/	٥
8	6 Dao Khanong 2	0	4	1			5	0	7	9	7	9	3	4	7	3	5	7	0	F-4	2	5	3	ö	4
٣	6 The Mall	0	0			0	0	2	0	0	0	0	-1	- -1	-	3	2	ŗ-t	0	F	0	0	0	o	0
l:	7 Ekachai	19	29	23	32	32	52	48	4.8	41	58	43	28	દ્ર	73	£	2	2	76	58	51	28	\$6	S	38
٣	8 Thon Buri	24	17	20	11	14	56	22	19	20	19	10	6	22	56	28	27	16	24	92	13	19	10	02	S
	8 Lat Ya (472)							·						-	-			0	0	0	0	0	0	0	
60	Nong Khaem RSU4	\$174												-	-	-	-		-		1	_	+	+	T
_											-	\dashv		-	-		-			+	-		1	+	T
٣	AREA 3 TTL	416	306	412	350	360	388	407	463	334	240	300	314	335	808	486	<u>8</u>	414	456	459	449	367	822	<u>ğ</u>	321

2-3 Number of Faults on the PABX Subscriber Lines in the BMA (4/4)

Ĺ.,		Number of Fault (PABX	of Fault (PABX)				_			_					-	Š	ource: N	lonthly R	epon by	Source: Monthly Report by Maintenance	ance Center,	er, TOT		
8	te Exchange	1950	1,98	0661	1990	1880	1990	1990	1990	1990	1990	1931	8	1991	1861	1991	1991	1961	1831	1661	1861	1991	1991	1992	1992
		3	4	S	9	7	00	6	10	11	12	1	2	├-	4	-	†-	7	00	6	10	11	1.2	1	7
4	1 Phahonyotin	117	77	83	113	85	17	53	26	120	87	70	61	81		153	160	8	110	74	117	87	59	79	47
4	L		25	25	33	:	41	24	36	28	12	12	11	16	15	23	¥	33	22	43	31	8	11	17	12
4		2 2	1	-	1	_	0	7	2	4	0	0	0	0	0	3	0	1	2	«	01	2	3	2	
4	3 Ramindra	3	2	. 2		6	15	5	1	6	1	1	7	10	1	2	2	1		1	7	3	4	-4	*
4		31	17	36	17	34	28	24	34	20	15	17	21	30	75	40	17	31	48	39	4	22	13	24	17
4	3 Golden Place																	0	0	0	0	0	0	0	0
4	L:		4	œ	5	\$	9	80	15	1	3	80	4	80	2	6	4	00	15	11	7	11	10	8	4
4	4 Lak Si	10	10	6	6	20	01	01	3.1	20	17	15	10	Ξ	20	32	37	52	56	22	18	17	8	9	15
4	4 Thung Sekan		ō				0	=	m	=		1	4	4		6	4	13	4	4	7	3	0	7	2
4	ı	38	20	53	18	13	31	38	26	30	10	10	23	21	9	18	17	56	24	51	22	9	14	20	15
4		19		31	27	42	18	21	40	8	6	11	80	15	18	17	12	15	00	31	31	19	80	101	19
4	1	4	33	47	55			39	54	39	39	12	2	11	12	21	92	21	19	22	56	27	101	10	. 11
4	J	F		13	8		01	9	17.	9	22	5	12	13	13	15	7	6	3	7	11	12	9	151	80
4	<u>. </u>										·	-									0	0	0	o	٥
4		1	7	ťΩ	1	0	3	2	0	3	0	0	٥	3	0	-	4	7	0	0	-	7	Ö		
4																-	٥	0	0	0	٥	0	0	6	
4	5 Chao Fha			— 									1	-	-		1	1			0	0	0	0	
4	S Sai Mai																				0	٥	0	0	
4	6 Bang Sue	10	13	15	10	13	3 15	12	19		12	8	11	6	191	18	힖	14	19	13	17	22	6	5	∞
4	L.i.	12	8	5	14	80	6	7	6	20	4	3	3	3	9	16	9	4	9	12	63	-	2	m	4
4	7 Inthamara	36	20	42	X	40	t 41	39	98	34	28	30	23	43	25	×	35	33	38	24	31	24	14	27	21
4	1	22		26	15	10	. 1	15	27	22	13	5	m	53	8	19	78	6	34	28	52	80	8	92	90
4	1.	20	16	52	23	13	3 22	24	. 28	14	12	17	1.	8	7	. 18	52	25	17	17	10	1.1	6	17	17
4	8 Bang Kradi								0	1		0	1	5	0	11	0	~	0	1	2	0	2	ra	3
4	8 Sam Khok													1	-	1	1				•				
4	9 Bang Khen	51	26	51	S	65	5 63	95	85	40	52	23	48	23	35	4	37	2	31		21	28	13	23	92
4	9 Lat Phroa 1	69		63	71	-	1	9,	7.	33	28	46	જ	8	48	F	=	8	46		. 1	45	38	47	S
4	9 Sena Nikom									7			٥	0	٥	٥	0	0	0	0	٥	٥	0	٥	٥
4	9 Wang Hin												٥	0	0	0	0	0	0	ļ		٥	0	0	
4	9 Ban Kaco Villa	8							:						0	-	٥	0	2		0	0	٥	٥	7
4	9 Tana Thani														1	7	0	0	0	0	0	0	0	٥	
4	Central Plaza			,													:								
4	IBM Building																								
4	Dnai													1				1							
4	Ministry of Finance	nance														-:						1			
											1					-									
7	AREA 4 TTL	554	381	514	Š	8	7 497	467	829	487	343	342	317	456	419	614	536	483	475	Ş	8	368	240	352	S
	ı	j.	l		ı	ļ	Ì										·								

2-4 Number of Public Telephone Faults in the BMA (1/4)

		Number of Fault (Public Telephone)	f Family	Pathlic T.	elembone		-	-	-		-		-			-	"	vurce : M	onthly R.	or more	Source: Monthly Report by Maintenance Center TOT	Co Cente	707	-	
8	Exchang	1990	1990 1990	861	1990	1990	0661	980	1990	1990	1990	<u> </u>	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	.1	1992	86
	Name	3	4	S	9	7	%	o	01	=	12	1	7	3	4	5	9	7	∞	6	10	11	12		7
E	1 Phloen Chit	373	382	402	369	367	421	362	465	413	321	354	396	390	263	651	456	510	450	416	364	341	231	345	320
=	1 Ammarin Plaza	-		:	1	263								2 144.4	0	0	0	0	0	0	0	0			-
1	2 Surawong	237	284	311	310	340	298	303	255	280	186	566	260	282	354	377	301	272	263	252	322	200	139	229	192
F	3 Samran Rat	386	372	375	365	267	375	377	445	420	350	419	362	408	448	619	495	504	435	385	368	340	262	324	384
-	4 Krung Kasem	471	319	473	334	192	333	276	308	302	216	233	252	344	285	366	326	396	418	406	375	458	363	325	283
-	4 Sem Sen	186	160	213	148	87	211	502	231	217	167	203	727	237	197	248	138	239	222	154	126	84	20	215	224
<u> </u>	5 Sukhumvit	128	76	105	8	315	8	121	131	117	102	102	116	86	111	150	126	137	109	108	38	102	103	127	107
_	6 Asok Din Daen	367	275	347	327	171	327	289	352	337	288	585	260	252	. 231	299	246	325	288	321	596	307	223	307	278
F	7 Pathum Wan	143	119	146	168		187	177	164	154	141	177	154	131	170	243	198	215	216	182	165	119	8	.125	147
=	7 Ma Bun Khrong	50													0	0	0	0	0	0 .	0 .	0	1.	4	
-	CP Tower				:	2											: : : :	2.							: :
1	Thaniya			1		100								1		- 1	4		-			- - 17 - 27 - 37			
Ξ	Tha Chin					:						•					_								7.
Ξ	Hollywood																	:		-		:			
_													:						-		_	+	<u>-</u>		
-	AREA 1 TTL	L	2294 1987	2372	2372 2140	2002	2252	2114	2351	2240	1773	2076	2027	2142	2359	2953	2286	2598	2401	2224	2010	1951	1520	1997	1935

2-4 Number of Public Telephone Faults in the BMA (2/4)

	1992	2		27		0	111	62	3		166		4	2		86					7	2	0	5	1 141			\$	0	1 2		1 3	10 10	10 0	43 31	56 46		0		1
	1992	~	115					76			H	3					. [164		. :]	ļ				٠	:							
ter, TOT		12	144	41	78	O	82	69	16	0	158	4	8		0	78	19						ļ		125	- [8	i:	43			3		
nce Center,	1991	11	166	45	88	0	116	73	*	0	356	1	9			96	47	106	184	24	8	0	0	4	233	57	18		22	.1	0	0 -	7	36	53	52				
by Maintenance	1991	10	114	48	78	0	122	76	91	0	449	14	9			103	20	142	217	41	3	1	1	3	250	88	7		17	0	0	0	15	27	51	70				
		6	131	89	76	0	¥	53	4	0	349	11	2	-	-	ğ	59	136	233	23	S	4	1	7	260	23	8		17	0	0	1	12	24	98	71				
Source: Monthly Report	1991	00	211	48	102	0	93	88	15	0	421	11	30	-		140	74	142	228	20	7	1	0	0	307	91	15		19	0		7	11	22	67	89				
drce : Me	1991	7	198	39	109	o	8	62	12	0	575	11	-	-		169	83	159	303	18	1	2	0		298	113	R		22	0		9	6	53	53	51				
So	1991	9	199	36	7.1	0	122	42	15	0	401	λ	-			168	43	131	196	22	3	1	0	_	163	88	6	-	11	0	: :-	0	9	21	8	43			-	1
-	1991	5.	239	39	88	0	137	69	14	2	767	10	-		-	139	61	139	211	25	5	7	2		281	121	6		53	0		0	12	12	8	45		1 1		
-	1991	4	194	27	87	0	136	72	16	0	194	S	_		_	165	37	125	153	58	5	0	0		283	જી	21	-	80	-		-	6	12	48	7.5			. :	
_	1991	3	140	39	87	0	145	73	22		207	7				163	38	154	211	31	8	٥	0		210	183	8		15				27	12	53	63	-			
-	-	0	88	28	74	0	73	8	12		182	3		-	~	121	32	132	148	41	6	0	0		157	88	4		6			-	14	18	2	48		1		
L	1991		105	53	73	0	2	99	21		186	4	-	-	_	139	39	144	133	32.	9		0	_	201	89	4	-	14			1	18	∞	36	54				
_	1991	-	22	27	δF	0	82	75	12	-	160	6	-	-	_	155	31	118	131	35	5		0		137	S	4		17				18	16	12	45			-	1
_	0 1990	12	140					92			157	4	-	-	_	161	44	129	154	41	7	_	0	_	158	65	11		14				17	13	39	8	-	H	-	
	1990	11	39		8.7	0	85	88	31		228	9	L	-	-				36	50	3		0		240	51	(3)		14				15	10	8	99				_
	1980	10	13									4	-	_	_	12		67	22				_			78	15		14		<u> </u>	_	18	17	36	49				
	1990	6	_			0			14		6	6	_			130 1	38	145 1.	150 13	36	5				197	7	21		16		.	ļ.,	53	00	\$ 	36				
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()	1990	۷.					73	55	81		139	10				107	34		119						157	51			5 23											
elephon	1990	9		36					প্র		141	3				123	36		155	36	5				174	52	∞		25				14	10	47	49				
Public 1	1990	5	97		28		-				191	9				119		166	165	47	10				189	47	15		27				15	00	88					
of Fault (1980	4		35	58	0	82	48	15		157	4				8	26	133	091	38	3				131	42	10		19				23			22				
Number of Fault (Public Telephone)	1990	3	8	44	19	0	81	67	19	3	161	10	Kum			118	36	140	168	39	9		rak	1	156	57	8		19	bung			11	15	4	46				
1	Exchange	Name	1 Chaiyaphruk	2 Thung Mahame	2 Khlong Toei	2 Tai Wa Tower	3 Pu Chao Samin	3 Samut Prakan	3 Bang Pu	3 Nikhom Bang Pu	4 Khlong Chan	4 Lam Thong	4 Suen Num Bueng Kum	4 Suphapiban 3	4 Ha Karat	5 Phra Khanong	5 On Nut	6 Trok Chan	7 Bang Na	7 Bang Phli	7 Bang Phi-Bang	7 Bang Na Tower	7 Nikhom Thepharak	7 Bang Bo	8 Hua Mak	9 Bang Shan	9 Nong Chok	9 Ramkhamheng	9 Lat Krabang	9 Nikhom Lat Krabung	9 Sai Kongdin	9 Kheharomklao	9 Pravet	9 Phruk Sachat	10 Sathu Pradit	10 Thamon Tok	Khlong Dan	Sanam 2.4	Company of the second	1
	Code			2 2 T		2 2 T	2 3 P		2 3 B	2 3N		2 41	2 4 \$	l	2 4 H	2 SP	ł,	2 6T	2 7 B	2 7 B		١.	Į i	2 7 B	L.I	2 9 B		2 9 R	2 9L	2 9 N	2 98	2 9 K	1 4		2 10 8	2 10 T	23			-

2-4 Number of Public Telephone Faults in the BMA (3/4)

ŀ		1 110	untic Jel	Number of Fault (Public Telephone)	-								-		Š	ource: M	onthly Re	sport by I	Source: Monthly Report by Maintenance	nce Center,	r, TOT		
Exchange	1990	1990	1990	1990	1990	1990	1990 1990	0661 0	1990	1991	1661	1991	1991	1661	1661	1991	1661	1661	1661	1991	1991	1992	1992
4	3	4		۰	7	6 . 8	9 10	11	12	· F	2.	9	4	. 5	9	7	8	6	10	11	12	1	2
1 Lar Ya	179	125	156	133	301	116	106	149 138	8 122	197	199	216	195	151	151	140	193	126	145	70	12	55	'n
2 Bang Phlad 1	. 3	10	0	0	0	0	0	0	0 0	3	. 3	0	0	0	0	0	0	0	0	0	0	٥	6
2 Bang Phiad 2	137	132	162	68	123	113	113 1	48 15	57 128	137	124	168	200	284	255	336	330	210	208	175	109	131	12
2 Phanurangsi	0	-	-	0	1	1	1	9	2 2	3	2	3	7.	4	1	2	8	4	4	7	တ	73	~
2 Muban Kitsada Nakhon 12	akhon 12						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Muban Chuanchun	c			-	-			7								0	0	0	Ö	0	0	0	0
2 Po Phasuk		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	_												0	0	S	0	0	- 0	0	٥
2 Pinklao Nakhorn 2	2		-						14							1.			0	0	0	0	٥
3 Phasi Charoen	. 65	56	38	3	3			0	2 0	3	2	0	2	1	0	3	0	0	3	0	1	0	0
3 Phasi Charoen	24	14	.43	56	57	20	2	84	74 46	46	35	48	41	19	40	42	2	54	-43	39	72	4	53
3 Nong Khame	70	30	8	98	2	8			2 45	43	52	92	106	174	148	1.77	207	140	105	86	20	69	46
3 Mu Ban Sethak	61	17	62	8	21	12	25		20 19		12	30	36	21	53	53	16	20	33	12	7-1	3	7
3 Bhuddha Mont	13	6	19	20	11	8	12	6	8 10	:	17	27	15	7	31	38	28	17	22	29	16	7	٥
3 M. Kanda					1																	-	ै
4 Racha Burana	52	57	86	SS	65	79	59	74	61 66	. 55	67	9/	201	133	Ŋ	107	144	28	25	47	48	67	છ
4 Phra Pradaeng	0	0	0	0	0	0 .	0	. 0	0 0	0	0	0	0	0	0	0	0	0	0	9	0	0	Ö
4 Phra Pradaeng	75	80	104	9/	57	46	58	. 29	53 114	. 89	116	153	147	148	165	128	167	117	9	85	55	13	32
4 Pom Phra Choc	8	5	9	14	5	8	7	10	5 8	6	9	6	15	22	22	22	22	16	9	7	9	의	-
5 Charansanitwos	0	0	0	0	7	0	0	1	0 0		0	0	2	0	0	0	0	0	0	0	0	0	٥
5 Charansanitwo	133	150	185	162	155	135	169	153 11	19 152	168	175	238	238	380	381	330	341	177	198	164	117	149	128
5 Bang Khae 1	0	0	0	ю	ю	0	0	0	0 0	0	0	ō	0	0	0	0	0	0	0	o	0	0	ा
5 Bang Khae 2	96	58	103	8	91	09		83	69 78	. 97	જ	116	145	148	117	38	88	55	8	61	52	46	\$
6 Dao Khanong 1	55	48	73	95	38	24	25	49	0 0		7	0	0	0	0	0	0	0	0	0	0	0	०
6 Dao Khanong 2	1	1	1	2	7	12	2	7	62 54	53	7,4	8	136	72	18	138	172	8	82	75	62	8	8
6 The Mall	0	0	0	Q.	0 .	0	0	0	0 6		6	11	7	.3	-	4	∞	3	7	9	7	2	00
7 Ekachai	63	55	83	1.9	. 89	55		06	94 108	88	8	8	107	130	107	132	155	129	135	72	23	8	38
8 Thon Buri	-83	72	55	74	68	51	62	94	62 73	99	3	જ	61	2.9	8	3	78	\$	8	8	36	23	श्र
8 Lat Ya (472)	•	•														0	0	0	0	0	0	0	71
Nong Khaem RSU4	Ä							<u>-</u>							1	+	+	+		+		+	1
					-											1	1	1				-	1
AREA 3 TTL	1095	924	1253	86	898	851	924 11	1143 9	978 1031	1112	1103	1435	1612	1801	1731	1891	2021	1316	12%	266	649	836	741

2-4 Number of Public Telephone Faults in the BMA (4/4)

2000				THE PARTY OF THE PARTY AND PROPERTY.				_								_						SOURCE: MORALLY NEPON BY MARKETINE CENTER, NO.		
2 8	Exchange	1990	881	1990	1990	86.	1990	1980	1990	1990	1990 19	1991	1991	1991	1991	1991 1991	\Box	1991	1961	188	182	1991	1992	1992
	Name		4	5	9	. 7		-		H	 	_	\vdash	-	H	-	\vdash		٥			⊣		-
4 1 F	1 Phahonyotin	128	69	160	ક્ર	68	7.6	ı	111		59	69		8		93	H		-	1	7	5 1	76 17	47 48
4 2 N	2 Ngam Wong W	24	23	2	23	30	28	32	35	20	23	24	37	27	25	18				3 06			}	
4 2 E	2 Bang Bua Thor	0	0	0	2	8	4	1	ō	1	8	1	1	1	8	4								3
4 3 F	3 Ramindra	13	ب	9 .	11	12	11	<u>ਬ</u>	8	12	18	22	6	03	12	œ	21				-			
4 31	3 Lat Prac 2	36	34	31	27	44	37	17	44	28	27	56	21	56	21	28								
4 3(0	3 Golden Place	14.								:														
4 4(4 Chaeng Wattan	24	10	14	15	12	7	17	60	17	12	17	13	17	14	16								
4 41	4 Lak Si	57	42	25	45	61	*	49	06	56	74	138	26	155	101	116	8	65	96	8	81 14	147 16	901	86 40
4 41	4 Thung Sekan	14	12	14	14	17	6	9	13	12	17	13	12	11	11	11								
4 5 1	5 Rungsit	17	16	27	19	14	25	56	16	14	11	14	17	17	10	11	- 1							. }
4 SI	5 Don Musrng	52	34	51	41	26	27	52	35	29	52	21	26	56	23	31								
4 5 1	5 Navanakhon	∞	.	1	7	6	Ŋ,	9	3	3	7	3	1	12	7	7					.			23
4 517	5 Thanya Buri	7	1	1	4	3.	2	2	0	. 2	5	9	4	11	10	8	1		11	7				13
4 5	5 Ying Olan								-							-								0
4 5 3	5 Muang Ek	7	3	4	9	1	+-1	8	0	÷	7	-	-1	7	7	0		0	2	3				60
4 51	5 Lam Luk Ka									_	-			_	-	0	0	0	0	0	Į		١	0
4 5 (5 Chao Fha									-	-	-	4	-{		-		-			[ō
4 5	5 Sai Mai	: :	- 1					-		-	-	-	-	\dashv							l			0
4 61	6 Bang Sue	09	59	85	67	57	23	33	91	38	8	9	22	ষ্ঠ	41	29	89							87 52
4 61	6 Nonthaburi	59	75	16	83	73	42	40	37	62	8	30	33	43	41	39	31					65		
4 7I	7 Inthamara	. 62	48	52	53	76	55	47	74	49	43	55	41	53	42	48	26	ľ						38
4 8	8 Pak Krei	12	6	11	12	S	œ	6	5	9	51	7	9	5	14	6	9	20	18	25				17
8 1	8 Pathum Thani	18	32	28	15	18	23	24	21	21	17	1.4	12	10	15	15	21					11		20 12
4 8 1	8 Bang Kradi		-						0	0	11		0	-	-	0	0	0	0		0	14		
4 85	8 Sam Khok			:		1				-		_		-		-						-		-
4 91	9 Bang Khen	38	32	47	42	4	हर	32	35	27	31		33	31	25	48	38		8		62	53	8	98
76. 4	9 Lat Phros 1	32	20	26	29	43	43	27	47 89	43	ম		31	41	31	29	38		76			82	8	88
4 98	9 Sena Nikom												0	0	0		-1	~	2	e.	0		m	4
4 91	9 Wang Him												0	0	-	0	0			2	3	177	3	4
4 91	9 Ban Kaco Villa								-				7		0	1	0	0		0	1	.1	ဝ	O
4 97	9 Tana Thani													. :	0	0	0	0	o	0	1	0	0	1
4	Central Plaza				7.7	1.		1				1			3				:1					
4 I	IBM Building								: :: ::					-				-			-		-	-
1	Dnal									-	<u>.</u>								1			-		-
4	Ministry of Finance	noce														_	-	-	-	-		-		
				N.					-	\dashv	-		1	-		-								$\frac{1}{1}$
4	AREA 4 TTL	35	527	735	8	639	564	512	644	514	480	521	529	718	547	808	809	871	1145 11	1127 10	1020	1004	1077	1036 41

2-5 Number of Repaired Subscriber Set Fault in the BMA (1/2)

	1992	2	1 5	8 3	20 9	5 7	1 0	3 6	6 2	44 32	0	5 1187	1221		-	30 4	15 13	12 9	28 19	15 19	10 11	17 21	29 33	11 21	15 7	2 157	0	
13	1992	9-4	7	7	9 2	3	1	₹		32 4		.8 1375	11 1419			15 3	11 1	2 1	32 2	9 1	10 1	18	34 2	17 1	18 1	166 182	73	
enter, T	1991	12	10	23	80	3	0	7	2	53 3	2	0 1048	1081	· 		17 71	13 1	19	32 3	14	01	32 1	3	31	16 1			
Maintenance Center,	1991	13	8	9 2	11	2	3	9	3	42 5	2	1 1370	5 1425			21 1	17 1	14 1	40 3	18 1	12 1	23 3	36 2	25	21 1	227 211	0 221	-
Dy Main	1991	21	10	9	18	4	2	4	2	46 4	3	0 1501	9 1545			15 2	12 1	8	36 4	18 1	1 8	35 2	30	23 2	21 2	206 22	0	-
y Report	1991	6	14 1	\$	9	7	3	9	1	42	0	1550	1599			24	14	12	34	29	6	45	36	21 2	7	231 20		_
Source: Monthly Report by	1991	00	11	3	14	10	0	7	2	47	1	9 1742	1784	-		21 2	15	22	326	13	30	31 4	17	27	82	230 22	1	
Source	1991	7	3	10	86	11	0	5	3	40	1	976 1779	7 1827			15	10	11	45	12	12	34	28	39	8	236 2	2	
-	1991	9	4	10	12	11	2	5		44 4	1		7101			21	20	18	24 6	21	26 1	20	20			216 2	1	
	1991	5	10	6	11	14 1	0	7		51	2	2 1357	5 1402			52 2	19	22		32	16					208 23	1	-
_	1991	4	13	12	22	13 1	0	14		74 5	1	6 1212	1265	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	23 5	14 1	37 2		38	21 1	<u></u>				199 X	0	-
	1991	3	7	12 1	12 2	15	0	6		55 7	3	9 1316	7 1391	· :		16 2	10	27 3	49 7	26 2	13 2							-
	1991	2	15	18 1	1 11	16 1	0	17		83 5	2	5 1239	0 1297			30 1	24	29 2		32 2	14 1		1			6 141	1	
_	1991	1	7	9	20 1	16 1	2	10 1	-		0	2 1435	3 1520			19 3	18 2	30 2			15 1					2 206	1	L
	1990	12			17 2		0		:	7 61	3	8 1172	8 1233				1 61	40	L	3						3 162	0	
	1990	11	3 14	81 8		9 27	O	1 21		0 97		6 1508	8 1608			22	6			50 2	0 21					8 203	0	
	1990	10	80	2 13	3 14	67	0	2 21		80	3	1496	3 1578			26	- 00	53		49 5	8				_	7 248	0	
	1990	6	8	9 12	7 23	5 41	1	0 12		8	2	2 1434	4 1533			22		38		46 4	26 28					2 247	0	
	1990	8	7		3 27	5 45	0	8		5 110		1582	5 1694	:		30	6 19	39		39	14 2				<u> </u>	6 242	2	
Number of Repair (Subscriber Set Fault)	1990	7		11 2	18	35	1	য়		8		1409	3051	-	ļ	61	27	8		38 3	16					206	60	
riber Set	1990	9		12	30	99		15		129	35	1459	1589			33		83								4 258	-	
ir (Subsc	1990	5	14	91 16	38	125	4	27		224		1598	1827			41	15	8	<u> </u>	19 /	2			 		274		
of Repa	1990	*	15	30	47	169	2	34		287		1316	1615		-	37	∞	30	48	27						172		
Number	1990	3	g	7	57	130	7	.53		278		1486	1765			49	17	22	25	#	8					198	4	
	Maintenance	Section		7	m	· eg	v	٥	7	Ordinary	PABX	Public	Total			-	2	e.	4	5	٥	7	80	6	01	Ordinary	PABX	
	Arca	Code	1	7	'n			-	,		1	-	***			2	2	2	77	2	2	2	7	7	2	74	2	

2-5 Number of Repaired Subscriber Set Fault in the BMA (2/2)

		Number	f Remain	Number of Renair (Suboriber Set Fault)	Ser Ser E	(A)								-	\vdash	-	٥	Source M	Monthly P.	Percent hy	Meintenance	January State	TOT #		
Ace	Mamtenance		1990	1990	1990	3990	1990	82	961	0661	19861	1881	1991	1991	1991	1991	1991	1991	1991		1991	1991	1991	1992	1992
Code	Section	3	4	5	و	7	8	6	01	11	12		2	8	4	5	9	7	8	6	10	11	12	1	7
3	-1	79	81	77	102	107	75	73	50	52	39	55	44	8	51	46	25	32	7.7	19	81	18	11	S.	-
m	2	88	65	31	53	£	26	62	51	51	41	89	34	30	48	99	69	61	58	51	45	4	36	52	51
кп	3	æ	25	19	19	21	17	26	26	22	20	18	22	83	35	28	19	19	16	70	15	91	ଷ	.6	£3
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3	7									-	-						72	47	36	20	6	6	10	33	16
3	90								—								11	æ	16	22	12	11	17	2	**
3	Ordinary	377	351	314	395	366	314	352	383	323	275	334	791	264	339	359	317	291	280	206	192	708	205	727	210
3	PABX	0	0	0	0	0	0	0	0	0	0	0	0		0	٥	0	0	0	0	0	0	0	Ö	O
3	Public	995	847	1139	904	851	771	840	997	808	823	802	781	946	868	1014	1042	1801	1843	1245	1140	923	610	790	865
3	Total	1372	1198	1453	1299	1217	1085	1192	1380	1132	1098	1136	1072	1214	1237	1373	1359	2092	2123	1451	1332	1131	815	1017	875
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4	7	17	9	14	14	77	13	14	6	6	13	11	5	6	v	- 60	18	0	28	33	22	77	13	2	13
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4	Public	933	886	1007	1016	1011	1078	938	1088	1073	935	1083	856	116	8	932	1005	1959	1983	1992	1936	1111	1757	1742	1344
4	Total	1060	979	1601	1129	1311	1165	1036	1170	1155	992	1166	126	1037	1014	993	1140	2021	2075	2082	2018	1846	1829	1806	1417
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2-6 Number of Repaired Inside Wire Faults in the BMA (1/2)

		William Charles Charle	- 0.0	Table 1	Win E	14						-			-	-	ľ	Course Marchity Report by Maintenance Center	Complex, R	and second	Nomin	100	101		
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Area	Maintenance	2 <u>8</u>	<u>8</u>	<u>86</u>	1990	1980 061	280	0661	1990	198	1990	1931	1 <u>8</u> 2	1991	1991	<u>§</u>	1991	1991	1991	138	1991	1991	1991	1992	1332
Code	Section	3	4	\$	و	7	8	6	요	=	12	-	2		4	v	9	7	80	6	20	11	22		7
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1	2	152	143	174	141	191	169	157	218	125	112	148	118	138	124	163	991	128	158	192	196	148	145	171	148
1	3	292	240	262	318	267	287	283	400	270	214	566	211	255	239	777	320	270	280	236	337	195	282	249	240
-	4	225	177	244	205	174	173	200	264	200	116	191	130	144	126	163	171	123	171	171	215	111	105	130	107
г	.5	98	52	72	73	52	98	59	.86	72	62	48	34	. 49	52	8	. 02	51	85	84	76	\$2	58	8	59
-	9	. 2 8	147	170	155	191	143	191	235	144	93	130	100	91	159	107	65	8	77	8	102	\$	78	62	8
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1	Ordinary	1058	875	1064	1031	961	786	1001	1341	918	699	844	629	772	795	947	186	819	086	1028	1201	724	712	848	761
1	PABX	26	43	75	52	35	89	77	132	186	17.	189	164	136	194	220	195	167	132	35	140	ន៍	68	103	22
-	Public	8	36	82	53	22	32	42	39	82	20	39	43	21	23	13	23	36	16	28	56	8	2	8	23
	Total	1245	954	1221	1136	1018	1108	1120	1512	1133	811	1072	988	626	1012	1180	1205	1022	1128	1162	1367	856	811	974	876
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7	1	138	76	116	74	125	125	141	152	112	91	106	81	118	13.1	96	113	93	77	87	122	63	99	83	52
7	73	103	61	115	8	109	103	133	184	118	78	75	80	æ	78	115	95	103	125	114	116	50	77	56	56
71	ю	138	129	223	154	141	181	163	267	159	125	145	103	134	137	88	89	45	74	51	છ	49	গ	45	82
7	4	119	201	201	158	192	268	226	305	191	114	118	101	110	66	97	65	78	74	98	103	74	S	28	40
7	S	118	8	196	125	183	176	169	216	158	115	135	06	119	107	114	117	8:	128	25	104	19	56	84	25
7	9	116	83	155	135	154	169	161	288	150	83	129	76	116	175	73	-66	82	97	84	95	8	39	71	51
7	7															108	117	97	114	103	101	8	48	55	4
7	90					-										47	37	47	55	50	53	35	75	18	11
7	6													_		48	54	-8/	83	87	25	75	73	5	41
7	10										· ·					101	154	122	134	120	116	59	55	76	62
7	Ordinary	703	557	1006	736	904	1022	993	1412	858	\$	30,	552	089	727	887	919	241	38	222	196	57.5	93	616	435
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7	Public	0	0	0	2	0	0	1	0	0		0	0	٥	0	0		0		0	0	0			
7	Total	714	557	1007	739	905	1022	1001	1414	98	809	710	552	089	728	888	920	842	28	879	968	575	510	616	436

2-6 Number of Repaired Inside Wire Faults in the BMA (2/2)

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		Number of Repair (unouse wire raun)	or Kepair	(munonse	WILC F		1	1	+	\dagger	1	+	+	+	+	+	š	Source: INK	onmy r.	to jud	Monthly Report by Mannenance Center, 101	ביים מיים	5	1	T
Area	Maintenance	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1991	1991	1991	1991	1991	1991	1991	1991	1991	1661	1661	1661	1992	26
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6	1	150	98	194	183	137	181	309	263	163	117	166	127	177	174	181	101	62	94	113	106	8	42	8	45
3	2	35	28	S	6	37	46	55	1.1	36	92	30	53	44	36	66	96	110	143	145	166	123	68	134	107
3	.3	121	123	153	157	176	142	151	283	182	103	120	124	153	176	172	152	147	162	156	184	142	Ş.	119	121
3	4	118	79	141	110	122	169	178	206	127	67	120	80	111	138	132	162	142	139	132	142	88	91	8	113
æ	S	136	8	142	151	138	126	145	202	122	88	112	82	114	129	144	146	128	109	112	121	100	113	95	-8
3	9	102	74	108	95	112	168	175	256	154	105	144	88	139	156	143	56	56	71	80	117	65	2	84	19
3	7	:		: :- :-													42	98	55	56	76	43	53	8	Si
3	80	.		:											:		109	70	108	117	146	59	79	46	58
3	Ordinary	664	208	786	766	713	832	913	1287	784	200	692	530	738	608	871	864	798	188	911	1058	969	671	694	622
3	PABX	0	0	0	Ţ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	С	0	Ö
3	Public	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	4	3	0	0	0	o	0	0	O	۵
3	Total	999	208	786	191	713	832	913	1287	784	200	692	530	738	608	875	867	798	881	911	1058	86	671	694	83
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4	1	212	206	309	243	214	961	216	250	202	156	184	178	180	211	218	170	115	145	131	159	85	117	100	133
4	2	217	149	221	225	321	248	342	521	326	217	260	203	252	313	450	239	183	260	247	300	172	189	134	155
4	3	346	274	504	338	395	359	360	517	310	201	294	228	506	273	288	243	226	727	216	248	173	211	147	177
4	4	153	66	152	162	188	169	200	235	141	73	112	2.6	139	102	134	194	169	283	206	195	118	116	128	149
4	5	93	88	100	131	143	128	157	243	151	75	139	115	115	101	146	182	154	180	179	681	170	119	ŭ	112
4	9	169	141	214	183	173	191	192	289	184	128	166	134	176	<u>8</u>	228	246	168	211	169	218	119	22	117	107
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4	Ordinary	1190	256	1401	1282	1434	1291	1467	2055	1314	698	1155	955	1128	1188	1464	1736	1320	1692	1602	1838	1177	1223	1024	1116
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2-7 Number of Repaired Protector Faults in the BMA (1/2)

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2-7 Number of Repaired Protector Faults in the BMA (2/2)

		Number of Renair (Protector Fault)	f Renais	r (Protex	ctor Fa	Cife	-		-										Source	Monthiy		Report by Maintenance	mance (Center, Te	TOT		
Arca	Maintenance	1990	1990	188	1990		1990 19	1990	1990	1990	1990	061	186	1991	1991	1661	1991	1991	1991			1661	1991	1 2	1992	1992	21
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ניז	Public	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0		0	0	0	0	0
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2-8 Number of Repaired Drop Wire Faults in the BMA (1/2)

Number of Renair (Dress Wire Faust)	Number of Rena	of Rens	و ا	V con	ire Fruit)						H		-			-	100	ource : M	onthilv R	vo troos	Mantena	Source : Monthly Report by Maintenance Center	TOT.		
9861	0661 0661 0661 0661	9861	9861	9861	9861	1 7	15%	1990	1990	1990	861	1861	1991	1991	1991	<u>8</u>	1991	1991	1661	1991	1991	1991		2661	1992
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1 369 332 525 388 399 412	332 525 388 399	525 388 399	66E 88E	399		41.	~	398	648	364	253	284	290	334	402	446	413	466	449	399	513	366	311	583	313
2 406 283 411 428 367 454	283 411 428 367	411 428 367	428 367	29€	, ·	454		452	22.5	370	267	260	239	264	370	393	450	384	405	404	432	251	23.7	258	3
3 534 343 578 536 606 544	343 578 536 606	578 536 606	536 606	909		544		571	886	563	456	482	409	417	514	674	761	674	531	714	723	453	384	451	389
4 426 383 559 344 371 288	383 559 344 371	176 448 971	344 371	371		288	. 1	235	373	267	186	233	217	191	262	280	277	321	287	259	331	243	R	186	138
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6 275 175 317 210 265 284	175 317 210 265	317 210 265	210 265	265		284		264	378	259	145	157	187	194	328	151	150	137	176	206	146	101	92	222	13
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4 383 275 457 380 481 472 3-	275 457 380 481 472	457 380 481 472	380 481 472	481 472	472		ŵ	347	476	356	247	292	292	306	453	252	174	176	183	181	182	251	126	94	134
5 222 172 247 199 238 235 2	172 247 199 238 235	247 199 238 235	199 238 235	238 235	235		ч	226	268	160	126	145	177	8	281	210	174	202	239	219	ã	105	22	117	18
6 99 57 138 93 119 147	57 138 93 119 147	138 93 119 147	93 119 147	119 147	147			8	134	92	46	74	74	79	94	94	56	33	54	8	37	22	77	37	21
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Total 2253 1534 2721 2202 2515 2686 20	1534 2721 2202 2515 2686	2721 2202 2515 2686	2202 2515 2686	2515 2686	2686		শ	2863	3251	23.94	1574	1808	1758	2063	2428	27.14	2417	2156	2341	2144	2381	1562	1420	1549	1409
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2-8 Number of Repaired Drop Wire Faults in the BMA (2/2)

1990 1991 1991 <th< th=""><th></th><th>Numb</th><th>Number of Repair (Drop Wire Fault)</th><th>ir (Drop</th><th>Wire Faul</th><th>2</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th>-</th><th>Š</th><th>Source: M</th><th>: Monthly Report by Maintenance</th><th>yd noga</th><th>Maintena</th><th>Cont</th><th>Center, TOT</th><th></th><th></th></th<>		Numb	Number of Repair (Drop Wire Fault)	ir (Drop	Wire Faul	2								-		-	Š	Source: M	: Monthly Report by Maintenance	yd noga	Maintena	Cont	Center, TOT		
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2-9 Number of Repaired Cable Faults in the BMA (1/2)

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Codemy 1531 125 126	1	4	653	407	524	320	321	241	182	276	219	109	146	118	161	193	231	323	258	229	276	272	151	113	105	8
6 22 220 179 217 171 267 186 189 179 171 171 267 180 179 170 170 170 170 171 170	-1	\$	25	47	101	116	134	112	128	128	122	68	126	19	107	92	129	165	117	169	145	172	126	38	8	8
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PASIN 113 914 1246 1247 1242 1145 1145 1245	-	7																114	57	126	102	128	88	H	98	77
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2-9 Number of Repaired Cable Faults in the BMA (2/2)

	1992	2	45	152	204	117	59	37	136	105	855	34	16	905			185	197	179	191	253	174	4	108	733	1558	95	41	1631
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TOT.	1991	12	8	152	231	å	8	52	143	114	1058	28	10	1086			111	193	118	96	170	119	8	72	140	1099	41	22	1162
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port by	1991	6	79	255	322	274	154	82	185	213	1564	45	14	1623			4	24	S	7	4	14	2	11	10	81	-7	74	84
: Monthly Report by	1661	00	102	226	61.7	27.4	143	44	189	170	1427	52	22	1501			9	33	13	1.7	20	12	7	0	6	114	7.0	77	117
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So	1661	9	53	219	245	293	991	90	205	206	1477	45	21	1543		- 	17	22	12	27	13	17	7	6	36	140	7	1	148
\vdash	1661	. 30	231	242	221	260	106	223			1283	43	11	1337		-	14	56	10	10	8	3				101	O	Ó	101
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-	1991	2	109	85	176	145	65	174			748	197	10	774			89	40	19	10	5	13		_		95	4	0	8
-	1991	1	282	103	185	152	117	139			978	15	ó	1002	<u></u>		14	45	19	60	21	16				118	0	3	121
-	1990	12	185	88	184	177	88	168		_	890	S	7	205	-	-	19	27	10	7	18	23		<u>-</u>	-	104	4	2	110
-	1990	11	8	155	331	236	136	286			1340	প্ত	11	1380			93	46	82	7	17	21			 	179	2	3	₹
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2-10 Number of Repaired Switching Faults in the BMA (1/2)

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2-10 Number of Repaired Switching Faults in the BMA (2/2)

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2-11 Number of Repaired MDF Jumper Faults in the BMA (1/2)

Number of Repair (MDF Jumper)	DF lur	DF Jun	(jogi	_				┢						Source	Monthly	Report by	Mainter	Source: Monthly Report by Maintenance Center	TOT	
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2-11 Number of Repaired MDF Jumper Faults in the BMA (2/2)

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		- 1	or repar	I (MIL)	Jumper,		+	+	+		4-	+		+	\dagger	+	†	\neg	Source: I	Vioniny	: Wonuny Report by		3	Het, 12		
Arca	Maintenance	1990	961	<u>§</u>	1990	1990	198	1880	0 1990	1990		0661	1991	1961	1991	1661	182	1991	1991	1991	1991	1661	1991	1991	1992	1992
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2-12 Number of Repaired Fuse Fauls in the BMA (1/2)

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2-12 Number of Repaired Fuse Fauls in the BMA (2/2)

		Number of Repair (Fuse)	Repair	(Fusc)		-	_	-				-	-				-	ľ	Source : Monthly		Report by	y Maintenance	Cogue	Center, TOT	=	_	
Arca	Maintenance	1990	0661	1990	1990	0 1990	}	1990 1990	0661 06		990 15	1990	166	1661	1991	1661	1891	1661	1991		1661	1991	1991	1661	1992	1992	2
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3	\$	0	0	.	-0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	٥
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4	Total	0	0		-0	0	0	-0	0	0	0	0	0	0	0	O	٥	٥	0		0	0		0	0	-	0

2-13 Number of Repaired Subcarrier Faults in the BMA (1/2)

										l				-		l									
		Number of Repair (SubCarrier)	of Repair	(SubCe	rrier)									-			S	ource: N	onthly R	eport by	Maintera	Source: Monthly Report by Maintenance Center,	TOT,	-	
Arca	Area Maintenance	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1991	1661	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1992	1992
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	4	82	9	18	8	80	61	17	13	8	10	5	4	S	v	16	1.1	∞	4	9	9	80	9	œ	9
17	S	18	12	10	L	9	11	80	Ş	2	2	æ	7	5	5	1	1	1	1	S	3	1	7	3	3
_	9	6	9		4	1	4	1	7	4	0	1	-1	2	2	1	0	0	0	0	0	0	2	1	1
1	77					,							7		-			2	0	Ţ	2	3	1	0	0
	Ordinary	109	57	75	55	56	96	94	80	19	40	09	54	19	89	8	50	61	44	35	39	37	30	33	26
-	PABX	श्च	13	11	8	36	24	91	17	53	10	23	10	ĸ	17	1.1	-00	16	7	7	11	- 7	-6	4	11
-	Public	ပ	0	0	0	0	1	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	Ö
-	Total	129	70	86	63	72	115	110	7.6	95	50	83	2	68	82	77	-58	11	51	42	50	4	39	37	37
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7	5	0	0	.2	3	Ω.	7	1	٧	∞	6	7	0	0	2	-	0		0	0	0	0	0	0	0
7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	-6	0	p3-4	0	0	0
2	7															<u>E</u>	17	32	-		100	00	4	14	ज
2	8					-		- 1								3	0	0		0	7	٥	7	0	ō
7	6															0	0	7	3	m		72	91	0	
64	10						:	.:								ō	0	0	0	0	0	0	٥	0	77
7	Ordinary	65	62	59	72	75	2	63	g	જ	8	27	34	105	झ	54	47	41	47	8	56	139	8	39	8
2	PABX	0	m	٥	1	2	1	0	0	3	0	6	٥	7	Ö	2	4	7	0	0	0	0	0	0	0
7	Public	٥	0	°	0	٥	1	0	٥		0	•	0				-	0	0		0	124		히	
7	Total	8	65	59	73	77	8	83	93	86	8	32	34	107	80	57	52	43	47	36	56	R	30	39	8

2-13 Number of Repaired Subcarrier Faults in the BMA (2/2)

			83	04.3																						-
		Intimod of Reput (Succession)	reday 1	(300)	n)a)													Source:	Monthly	Source: Monthly Report by	y Maintenance	TREE C	Center, 101	=	+	7
Arca	Maintenance	1990	8	1980	8	1990	8	188	1990	1990	1990	1881	1991	1991	1991	1991	1991	1991	1991	1991	1991	1961	1831	1992	1992	73
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ю	6	0	0	٥	0	0		0	0 0		ó	0	O	0			0				0			O	φ	0
ю	4	-	2	1	2	2		0	0 0	0	0	2	2	4	1	0	-		1		O			0	0	0
	8	0	0	0	0	0		0	0 0	0	0	0		0	٥	0	0	0	0	0	٥	٥		0	0	O
3	9	. 1	0	0	0	0		0	0	0	٥	0	0	2	0		0	0		0	0		<u> </u>	0	0	0
m	7				:		:										0	0		0	0			0	0	0
m	80																0	0	0	0	C			0		ō
60	Ordinary	8	-	4	2	5		4 (0 4	0	1	3	m	7	3		2 5		4	67	11	2		6	9	2
3	PABX	0	0	Ó	0	0		0	0 0	0	0	0	0	0	0			0			0			Ö	0	0
6	Public	0	0	0	0	0		0	0	0	٥	0	0	0			0	0		0				0	0	0
n	Total	S	7	4	2	4		4 0	0 4		1	3	3	L	3		2 5		4	3	11	8		6	9	1
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4	60	ผ	15	15	ଷ	23	36	34	1 32	32	11	15	7	8	3	:	3 0	0		0 0	0	0		0	0	
4	*		0	٥	0	0		0	0	0	0	0	0	2	0		0 0	0		0 0	0	0		2	0	Ġ
각		0		1	7	0	:	4	0	0		0	1	0	0		0			4		0			o	O
4	S	0	0	٥	٥	0		0	0	0	0	0	0	0	0		0 0	0		0 0	0	0		0	O	0
7	7		1														0			0 0	0	0	. :	0	0	0
4	80																0		0	0	0		0	0		8
4	6																m		0	4	y-4				10	5
4	Ordinary	8	12	16	22	8	41	34	32	74	12	15	8	5			3 9			8	7		-	-7	2	:8
4	PABX	0	0	1	7	0		0	0	0	0	0	0	0	77		0		0	0	0	2		ő		
<u> </u>	Public			٥	٥	9		0	0		0	0	0	0	0		0 0		0	0	0		0	0	0	
4	Total	8	21	17	23	83	41	1 34	32	179	12	33	80	22	5		3 9		1 8	8	77		6	4	3.1	4
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2-14 Number of Repaired Faults (Other Cause) in the BMA (1/2)

2-14 Number of Repaired Faults (Other Cause) in the BMA (2/2)

		Number of Repair (Other Cause)	f Repair	r (Other	Cause)		_										_	Source:	Monthly	Source: Monthly Report by Maintenance Center,	y Maint	chance C		TOT	<u></u>
Area	Maintenance	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1661	1992	1992
Code	Section	3	4	5	٥	7		6	2	=	12		2	3	4	5	9	7	8	6	10	11	12	1	2
3	1	0	0	0		0	0	0	0	0	0	1	0	0	0	0	0	1 0	1	0		6	0	0	0
£	2	0	0	°		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	o	-1
3	3	0	1	0		0	0	0	0	Ó	0	0	0	0	0	0	0	0 0	0	0		0	0	0	Ö
m	\$	0	0	0		0	0	-	0	0	0	. (0	0	0	0	0	0	0 0	0	0		0	0	o	0
3	5	1	0	°	1	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0			-0	0	0
3.	9	ပ	0	O		0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0	0 (. 0	0	0	0
3	7																	0 0	0	0 (0	0	0	0
3	80																	0 1) 0		0	0	0	0
3	Ordinary	1	1		0	0	0	- 1	0	0	0		0	0	0	0	0	1	1	E . 0		0	0	0	1
ε	PABX	168	114	162	158		165 19	194 17	176 229	-	63 112	2 171	1 142	176		237 258	8 214	169	186	186	132		. 28	52 6	64 107
3	Public	0	2	0		1	0	1:	0	0	0	0	0	0	0	0	0	1 0	0 (0		0	- 10	0	0
.3	Total	169	117	162	651		165 19	196 17	176 229	í. ;	63 113	3 171		142 17	176 23	237 258	8 216	6 170	187	7 186	132		87	52 6	65 108
					ا سننت															 					
1																									- · · · ·
4	1	0	1		1	1	0	0	0	. 0	0	0	0	0	0	3	0	0	0	1 1		0	0	0	1
4	2	0	1		0	0	0	1	1	2	0	0	0	0	0	0	0	0	1 0	0 0		0	0	0	0
7	3	3	1	11		0	0	1	0	0	1	0	0	0	0		2	0	0	0 1		ī	1	1	0
*	Þ	0	0		Q	0	0	-0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0		0	ó
4	5	0	0		0		0	0	1	0	7.7	0	-1	0	, 0	0	0	0	0	0	0	2	0	0	0
4	9	0	ı		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
4	7				:			· .	::- 1::-					_			_	0	0	0	0	0	0	0	0
4	8				:										_			0	1	0	11	0	0	0	0
4	6	-																0	0	0	0	0	0	0	-
, \$	Ordinary	3	4	12		23	٥	7	7	2	7			0	0	5	2	0	7	3	3	м	- 1	FE1	
4	PABX	1	5		7	v	7	-4	. 0	4	•	0	=	_	8		3	72	2	3	3	F-4	S	4	
4	Public	0	0		0		0	0	0	0	0	0	0	0	0	7	0	0	1	0	7	0	0	0	0
4	Total	4	6	14		90	4	9	-2	9	10	1	12	-	v.	80	3	2		3	90	4	9	5	2
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2-15 Number of Repaired Faults (Test OK) in the BMA (1/2)

		1992	2	34	4	ō	77	Ö	7	71	49	186	ફુ	835		•	2	S	801	72	8	ō	2		128	S	22	2	গ্ন	344
		1992	1.	31	7	2	2	0.	3	00	53	224	388	999	•	-	3	S	135	08	3	13		S	8	7	277	115	32	424
	ter, TOT	1991	12	31	6	5	0	0	4	3	52	125	226	403			0	13	82	46		3	16	e	16	7	191	13	19	333
	Maintenance Center	1991	11	41	19	1	0	0	4	4	99	182	337	588			7	4	107	29	5	4	8	80	Я	רע	220	161	88	437
	Mainten	1991	10	32	13	4	0	0	4	. 5	58	250	296	604			3	7	170	8	4	3	92	22	77	m	392	196	34	622
	Report by	1991	6	16	22	3	Ó	0	2	4	47	268	370	685			2	9	104	72	Ţ	4	23	18	19	90	727	81	30	477
	: Monthly	1991	00	99	53	2	17	0	2	5	119	782	329	685				7	55	76	6		17	15	33	-	232	154	16	402
	Source: A	1991	7	40	-18	1	٥	0	0	4	63	212	442	717				9	35	8	33	-	2	1,4	8	2	160	162	94	388
t	S	1991	9	85	29	1	0	0	11	1	127	218	220	595			2	7	37	55	3	2	72	12	53		222	217	21	460
		1991	5	56	28	7	0	0	2		66	268	263	624			11	37	99	123	13	18	47	53	13	7	358	216	46	829
		1991	4:	48	25	4	0	1	14	-	- 32	215	245	552	-		27	24	151	136	11						357	162	63	282
-		1661	3	89	23	4	0	0	4		66	193	263	555			20	12	170	131	5	13					351	157	52	38
		1661	2	24	24	2	-	0	4		55	129	266	450			11	14	134	115	3	7					284	146	32	462
		1991		92	19	60	0	0	15		57	210	280	547			8	80	133	85	3	6					258	255	40	553
-		1990	77	31	21	1	0	#	v		59	190	248	497			28	26	127	92	10	15					298	168	46	512
		1990	11	95	21	80	0	0	'n		.84	248	348	680			23	26	200	105	9	18					378	228	42	648
		1990	2	45	27	6	-	0	v		87	306	394	787			24	29	206	263	14	36					572	360	71	1003
-		1990	6	33	95	6	0	0	sc.		100	289	338	727			39	26	162	293	10	22	1				552	274	27	853
	-	1990	8	37	28	10	-1	0	2		78	292	388	728			48	27	153	336	6	32					605	191	47	8
		1990	7	24	16	4		0	74		46	191	338	575			31	18	105	225	22	31					432	182	88	\$2
ŀ	•	0661	9	4	18	1	0	0	-		24	273	394	169			50	29	100	265	22	32					498	256	63	817
	Test OK	1990	S	14	16	4		0	0		35	237	427	669	•		36	31	112	299	61	50					547	211	98	844
	Repair (1990	4	17	7			0	ठ		33	206	322	561			40	3	82	144	16	39					324	158	8	548
	Number of Repair (Test OK)	1990	rn	OI.	15	9	-	0	٥		32	259	448	739			36	32	144	225	30	58					525	245	77	847
	Z	Maintenance	Section	-	2	8	4	χ,	ý	7	Ordinary	PABX	Public	Total			ı	2	m	4	s	9	7	60	6	10	Ordinary	PABX	Public	Total
		Arca	3	-	-		-	-	-	-		1		1			2	74	7	7	7	2	2	77	72	73	7	7	2	2
												Α	nn	ex	2	- 31	7													

2-15 Number of Repaired Faults (Test OK) in the BMA (2/2)

												-	+	-		-			:			,			
		Number	or Kepan	Number of Kepair (Lest OK)	2					1		1			1		<u> </u>	M. San	oneny R	מטים מא	VISINICEDAN	Source : Monthly Report by Manichance Center,	2	+	1
Area	Maintenance	1990	1990	0661	1990	1990	1990	1990	1990	1990	1990	1881	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1992	2661
Code	Section	. 6	4	. 5	9	7	80	6	02	11	12		2	.61	4	5.	9	7	×0	6	10	11	12		7
en	1	111	17	11	0	0	2	1	18	0	0	***	0	2	7	5	O	0	0	0	0	0	0	0	0
m	2	F	0	1	0	1	0	0	13	0	0	0	0	0	0	55	45	18	56	14	52	17	ď	4	٥
3	3	72	14	28	28	31	6	37	78	13	6	6	7	m	21	10	9	2	14	80	ō	٩	2	ťΩ	61
3	4	-	2	0	2	7	0	0	5	1	1	0	0	0	0	0	13	0	0	0	0	7	-	0	0
3	S	***	34	62	38	44	63	27	102	12	7	16	11	8	4.4	33	78	24	52	53	97	39	69	15	13
3	9	34	11	26	26	12	17	11	22	15	4	6	61	9	- 80	2	0	0	:0	O	0	0	0	0	
m	7		.														13	7	52		1	2	1	0	4
т	80																3	O	0	0	0	9	6		P-15
3	Ordinary	122	78	128	94	90	11	92	238	41	21	33	20	31	75	105	158	84	118	76	124	67	82	26	22
3	PABX	8	59	20	6	10	3	13	6	3.	6	0	1	1	6	9	6	3	2	2	1	0	0	1	,I
es.	Public	0	0	Ó	0	0	0	0	0	0	2	1	2	0	-01	pet	1	7	4	15	Š	11	9	-6	m
е	Total	147	137	148	103	8	80	68	247	4	32	34	23	32	84	112	168	68	124	93	130	78	88	36	31
						:		-	-					-							:				
				: .						-															
4	210	324	358	427	394	406	418	392	507	511	416	376	316	418	455	368	192	167	137	205	165	134	309	73	8
4	2	342	283	288	267	272	315	381	548	398	276	315	247	332	384	479	334	219	246	314	298	219	ផ	194	173
4	33	SOT	403	591	468	606	518	514	99	38	347	337	349	428	482	465	367	255	314	283	418	334	273	235	22
4	4	140	100	149	140	148	132	177	212	137	86	97	107	116	112	791	339	272	365	328	352	285	823	180	199
4	S	344	279	373	377	355	428	506	536	444	852	243	249	378	395	355	430	329	898	393	249	452	315	284	ß
4	6	214	231	292	233	231	201	223	322	274	197	212	202	219	8	291	334	237	233	243	23.7	677	202	148	8
4	7							, ;				- T		:			184	169	252	ß	159	114	8	123	ह
4	86																237	137	183	187	189	163	118	8	130
4	6													- 1			302	365	305	782	30.	98	প্ন	322	82
4	Ordinstry	1871	1654	2090	1879	2018	2012	2193	2786	2154	1592.	1580	1470	1881	2032	2120	2719	2050	2226	2373	1752	2179	1827	1665	1667
. V	PABX	113	\$	83	180	89	99	81	8	2	2	38	33	8	92	8	88	8	9	8	86	8	75	8	3
4	Public	202	159	235	218	210	237	223	215	193	152	192	126	218	148	123	174	309	399	335	300	314	38	351	186
4	Total	2186	1882	2408	2197	2317	2348	2497	3100	2438	1814	1810	1635	2162	2230	2307	2981	2449	2690	2764	2757	2549	530	2082	1897
	:					:																			

2-16 Number of Lines Connected in each Maintenance Section in the BMA (1/2)

		Number	of Line C	Number of Line Connected each Maintenance Section	each Mai	ntenance	Section								1		Ň	Source: Monthly Report by Maintenance Center, TOT	onthly R	sport by	Maintena	nce Cent	TOT,		
Area	Maintenance	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1991	1991	1661	1661	1991	1661	1991	1661	1661	1991	1991	1991	1992	1992
Code	Section	3	4	\$	9	7	8	6	10	11	12	1	2	3	4	5	9	7	8	6	10	11	12		7
1	1	37098	36364	36622	38518	38658	38722	38641	39178	39380	39561	39729	39941	41329	42081	42456	43228	43662	43595	43910	43969	43938	44019	43869	43879
1	2	39877	40078	1	40719 39843	39199	39355	40295	41214	41862	42466	42731	42890	43186	43330	43490	43755	44243	44347	45538	45797	46020	46076	46521	46811
1	3	41092	41209	41528	42006	42236	42548	42572	42792	43207	43325	43568	43661	43826	43738	43895	44032	44225	4440	45089	45649	45879	46036	46347	46715
1	4	29787	30119	28061	29079	29129	29254	29231	29314	29391	29427	29528	29612	29705	29906	29978	30185	30261	30378	30780	31225	31324	31490	31645	31751
,-4	\$	17435	18223	18410 18161	18161	18571	19104	19057	19099	19381	19603	19794	20246	20577	20867	21489	21852	22265	22611	23877	25302	25505	26852	27432	29000
	9	38196	39369	66668	41888	43473	44075	43322	44023	44412	44973	46146	46899	47406	48836	49204	31458	31754	32240	33017	33107	33212	33471	33568	33607
1	7								# T								18461	18724	18847	20002	20207	20263	20354	20334	20447
1	Ordinary	203485	203485 205361		205280 209495 211265		213059 213118		215620	217633	219355	221496	223249 2	226029 2	228758 2	230512 2	232971 2	235134 2	236458 2	242213 2	245256 2	246141 2	248298 2	249716 2	252211
r =4	PABX	23888	24850		24629 24124 24570		24890	25205	25451	25729	25954	26244	26534	26823	27235	27508	27737	27954	28559	28731	28897	29315	29503	29829	30099
-	Public	4444	4579.1	5510	4655	4654	4655	4682.1	4689	4714	4715	4743	4788	4853	4893	4956	5146	5341	5727	5225	5339	5267	5310	5446	5451
_	Total	231817		234789 235419	238274 240489		242604	243005	245760	248077	250024	252483	254571 2	2 207722	260886 2	262976 2	265854 2	268429 2	270744 2	276199 2	279492 2	280723 2	283111 2	284991 2	287751
		7.																							
																			-						7. 1
2	1	30430	30591	30650	29652	29845	29909	29876	29908	29830	30087	30020	30008	30039	30013	21625	21663	21738	21867	22184	22198	22190	22272	22340	22442
2	2	20015	20014	19851	19112	19118	19274	19383	19672	19835	19890	20146	20499	20812	21336	19828	20086	20404	20737	21680	21875	21948	22002	22099	22224
7	3	45124	45371	45575	46012	46055	46870	47029	47626	48389	49504	50091	50318	50556	51344	21317	21625	22270	22710	23388	23584	23705	23765	23981	24098
7	4	61289	62038	62310	63124	64050	64952	65074	65529	65687	06799	68899	10/99	66831	66954	32505	32786	32744	32711	32940	32947	32947	32948	32914	33098
2	5	34386	35277	36270	37193	38442	38638	38831	39384	40012	40656	40968	41235	41465	41932	39541	39848	40201	40617	42500	42823	42031	42186	42509	42797
2	9	33613	33981	34292	32207	32400	32463	32420	32558	32706	32882	32900	32982	33039	33085	18729	18737	18721	18752	18882	19072	19060	19124	19150	19229
. 2	7															30232	30722	31020	31584	33244	33386	33620	33910	34236	34510
2	8						:								:	22298	25952	22832	23006	23523	23762	23892	23984	24089	24246
7	6			-							-		-			15484	15724	16335	16982	17954	18355	19450	19652	20007	20139
7	10							-,-,								24947	25520	25974	26490	27445	27773	27993	28076	28311	28668
7	Ordinary	224857	27272 227272		228947 227299 229910 232406	229910	232406	232612	234678	236458	239309	240514	241743 2	242742 2	244664 2	246506 2	249403 2	252239 2	255456 2	263740 2	265775 2	266836 2	267919 2	269636 2	271451
7	PABX	11554	11660	12054	11092	11232	11445	11715	11849	12129	12235	12502	12615	12744	12801	12985	13107	13323	13550	13751	13977	14348	14583	14794	15062
2	Public	3400	3452	3455	3422	3426	3426	3457	3490	3517	3539	3594	2634	3653	3688	3707	3796	3992	4266	3857	3883	3918	3944	3975	338
2	Total	239811	242384		244455 241814 244568 247277 247785	244568	247277	247785	250017	252104	255083	256610	257992 2	259139 261153		63198	263198 266306 269554	69554 2	73272 2	81348 2	83635 2	85102 2	273272 281348 283635 285102 286446 288405 290512	88405 2	90512

2-16 Number of Lines Connected in each Maintenance Section in the BMA (2/2)

		Zimber	f ine o	honnecsed	Number of Line Connected each Maintenance Section	Henance	Section		1				-		-		3	Mo.	Source - Monthly Report by Maintenance Center TOT	J. S.	gintenera	1	TOT	-	
Arca	Maintenance	1990	1990	1990	0661	1990	061	1990	1990	1990	061	1991	1991	1991	1991	1 1 1 1 1 1 1 1	1661	1661	61 1661	1661	1991	1991	Į.	1992 19	1992
	Section	3	4	S.	9	7	- 80	6	10	11	12	-	2	3	4		9	7	8	9	10	11	12		2
3	,	39630	39768	40029	40093	40367	40542	40607	40737	40898	41015	41069	41097	41140 4	41188 4	41263 Z	23396 2	23390 2	23388 23	23569 23	23575 2	23583 2	23573 2	23566 2	23572
'n	2	33443	33835	34383	35521	35625	35737	35857	36069	36115	36189	36324	37129	38114 3	38497 3	38606 39	39416 4	40110 40	40361 41	41406 41	41822 4	42084 4	42390 4.	42536 42	42913
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3	PABX	2956	2956 2961.2	2984.9	2984.9 3614.2	3691.1 3783.1		3865.9	3955.9	4031.4	4078	4148	4252	4322	4386	4354	4449	4530	4608	4654 4	4703	4761	4853	4903	1667
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2-17 Number of Telephone Lines Experienced same Type of Fault more than 2 Times in the same Month in the BMA (1/10) (Test OK at Inside Plant)

		Number of Fault occurred more than 2 Times in One Month (Far	Fauito	ccurred	nore than	2 Times	in One	Month (F	ault cause	d of Insid	e Facility	_	-				S	Source: M	Monthly Re	coort by	Maintenance	[5	ter. TOT		Γ
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2-17 Number of Telephone Lines Experienced same Type of Fault more than 2 Times in the same Month in the BMA (2/10) (Test OK at Outside Plant)

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2-17 Number of Telephone Lines Experienced same Type of Fault more than 2 Times in the same Month in the BMA (3/10) (Subscriber Set Fault)

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