

Annex 4.9-3 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
5	GOBI-ALTAI Aimag Total	3746	4034	4321	4609	4896	5184	5471	5759	6119	6480	6840	7201	7561	8004	8446	8889	9331	9774	10216	10659
5	Total of Sum Centres	1558	1677	1797	1916	2036	2155	2275	2394	2544	2694	2843	2993	3143	3327	3511	3695	3880	4064	4248	4432
5	2 Altai	67	72	78	83	88	93	99	104	110	117	123	130	136	144	152	160	168	176	184	192
5	3 Bayan-Uul	141	152	162	173	184	195	205	216	230	243	257	270	284	301	317	334	351	368	384	401
5	4 Bayan-ooroo	18	19	21	22	23	24	26	27	29	31	32	34	36	38	40	42	45	47	49	51
5	5 Biger	124	134	143	153	162	172	181	191	203	215	226	238	250	265	279	294	309	324	338	353
5	6 Bugat	65	70	75	80	85	90	95	100	106	112	119	125	131	139	146	154	162	170	177	185
5	7 Darvi	72	77	83	88	94	99	105	110	117	124	131	138	145	153	162	170	179	187	196	204
5	8 Deliger	130	140	150	160	169	179	189	199	212	224	237	249	262	277	293	308	323	338	354	369
5	9 Jargalan	48	52	55	59	63	67	70	74	79	83	88	92	97	103	108	114	120	126	131	137
5	10 Taishir	19	20	22	23	25	26	28	29	31	33	34	36	38	40	42	44	47	49	51	53
5	11 Tonkhil	136	146	157	167	178	188	199	209	222	235	248	261	274	290	306	322	338	354	370	386
5	12 Tugrug	60	65	69	74	78	83	87	92	98	104	109	115	121	128	135	142	150	157	164	171
5	13 Khaliun	45	48	52	55	59	62	66	69	73	77	82	86	90	95	101	106	111	116	122	127
5	14 Khuukmort	77	83	89	95	101	107	113	119	126	134	141	149	156	165	174	183	192	201	210	219
5	15 Tsoegt	203	219	234	250	266	282	297	313	332	352	371	391	410	434	458	482	507	531	555	579
5	16 Tseel	50	54	57	61	65	69	72	76	81	86	90	95	100	106	112	118	123	129	135	141
5	17 Chandmani	72	78	83	89	94	100	105	111	118	125	132	139	146	155	163	172	180	189	197	206
5	18 Shaaga	33	36	38	41	43	46	48	51	54	57	61	64	67	71	75	79	83	87	91	95
5	19 Erdene	64	69	74	79	83	88	93	98	104	110	117	123	129	136	144	151	159	166	174	181
5	20 Guulin	134	144	155	165	175	185	196	206	219	232	245	258	271	287	303	319	334	350	366	382
6	DORNOGOVI Aimag Total	3538	3810	4081	4353	4624	4896	5167	5439	5779	6120	6460	6801	7141	7559	7977	8395	8813	9231	9649	10067
6	Total of Sum Centres	1618	1742	1865	1989	2112	2236	2359	2483	2639	2795	2951	3107	3263	3454	3645	3836	4026	4217	4408	4599
6	2 Airag	133	143	154	164	174	184	195	205	218	231	243	256	269	285	300	316	332	348	363	379
6	3 Altanshree	100	108	115	123	130	138	145	153	163	172	182	191	201	213	225	237	248	260	272	284
6	4 Dalanjargalan	43	46	49	52	56	59	62	65	69	73	78	82	86	91	96	101	106	111	116	121
6	5 Delgerekh	26	28	30	32	34	36	38	40	43	45	48	50	53	56	59	62	65	68	71	74
6	6 Ikhkhet	101	109	117	125	132	140	148	156	166	176	185	195	205	217	229	241	252	264	276	288
6	7 Mandakh	26	28	30	32	33	35	37	39	42	44	47	49	52	55	58	61	64	67	70	73
6	8 Urgun	68	73	79	84	89	94	100	105	112	118	125	131	138	146	154	162	171	179	187	195
6	9 Saikhandulaan	15	16	17	18	20	21	22	23	25	26	28	29	31	33	34	36	38	40	41	43
6	10 Ulaanbedrakh	27	29	31	33	36	38	40	42	45	47	50	52	55	58	61	64	68	71	74	77
6	11 Khaanbulag	43	46	50	53	56	59	63	66	70	74	78	82	86	91	96	101	106	111	116	121
6	12 Khuvsugul	23	25	26	28	30	32	33	35	37	39	42	44	46	49	51	54	57	60	62	65
6	13 Erdene	95	102	110	117	124	131	139	146	155	164	173	182	191	202	214	225	236	247	259	270
6	14 Zuunbayan	248	267	286	305	324	343	362	381	405	429	452	476	500	529	559	588	617	646	676	705
6	15 Zamiin-Uud	594	639	685	730	776	821	867	912	969	1026	1084	1141	1198	1268	1338	1408	1479	1549	1619	1689
6	16 Zulegt	12	13	14	15	15	16	17	18	19	20	22	23	24	25	27	28	30	31	33	34
6	17 Khaajuuaan	52	56	60	64	67	71	75	79	84	89	94	98	104	110	116	122	129	135	141	147
6	18 Sulinkheer	12	13	14	15	15	16	17	18	19	20	22	23	24	25	27	28	30	31	33	34

Annex 4.9-4 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

	Demand																			
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
7 DORNOD Aimag Total	2913	3045	3178	3310	3442	3574	3707	3839	4079	4320	4560	4801	5041	5336	5631	5926	6221	6516	6811	7106
7 Total of Sum Centres	632	661	690	719	748	777	806	835	887	939	990	1042	1094	1158	1222	1286	1351	1415	1479	1543
7 2 Khaikhtgol	48	50	53	55	57	59	62	64	68	72	75	79	83	88	93	98	103	108	113	118
7 3 Matad	28	29	31	32	34	35	37	38	40	42	45	47	49	52	55	58	61	64	67	70
7 4 Khulumbuir	38	40	41	43	44	46	47	49	52	55	59	62	65	69	72	76	80	84	87	91
7 5 Bayantumen	25	26	27	28	30	31	32	33	35	37	40	42	44	46	49	51	54	56	59	61
7 6 Tsagaan-Ovoo	30	31	33	34	36	37	39	40	42	45	47	50	52	55	58	61	64	67	70	73
7 7 Bayan-uul	90	94	98	102	106	110	114	118	125	133	140	148	155	164	173	182	191	200	209	218
7 8 Bayandun	29	30	32	33	35	36	38	39	41	44	46	49	51	54	57	60	63	66	69	72
7 9 Dashbalbar	42	44	46	48	49	51	53	55	59	62	66	69	73	77	82	86	90	94	99	103
7 10 Gurbanzagal	31	32	34	35	37	38	40	41	44	46	49	51	54	57	60	63	67	70	73	76
7 11 Kherlen /Choibalsan/	64	67	70	73	76	79	82	85	90	95	101	106	111	118	124	131	137	144	150	157
7 12 Erentsav	128	134	140	146	151	157	163	169	180	190	201	211	222	235	248	261	274	287	300	313
7 13 Bulgan	44	46	48	50	52	54	56	58	62	65	69	72	76	80	85	89	94	98	103	107
7 14 Sergelen	28	29	31	32	33	34	36	37	39	41	44	46	48	51	54	57	59	62	65	68
7 15 Sumber	7	7	8	8	8	8	9	9	9	10	10	11	11	12	12	13	14	15	15	16
8 DUNDGOBI Aimag Total	1457	1706	1955	2204	2453	2702	2951	3200	3400	3600	3801	4001	4201	4447	4693	4939	5184	5430	5676	5922
8 Total of Sum Centres	597	699	800	902	1004	1106	1207	1309	1391	1473	1555	1637	1719	1819	1920	2020	2121	2221	2322	2422
8 2 Adaatsag	37	43	50	56	62	68	75	81	86	91	97	102	107	113	119	125	132	138	144	150
8 3 Deligentsogt	40	47	53	60	67	74	80	87	92	98	103	109	114	121	127	134	141	148	154	161
8 4 Deren	62	73	83	94	104	115	125	136	144	153	161	170	178	188	199	209	220	230	241	251
8 5 Gobi-Ugtaal	57	67	76	86	96	106	115	125	133	141	149	157	165	175	184	194	203	213	222	232
8 6 Gurbansaikhhan	34	40	45	51	57	63	68	74	79	83	88	92	97	103	108	114	120	126	131	137
8 7 Tsagaanidelger	32	38	43	49	54	60	65	71	75	80	84	89	93	98	104	109	114	119	125	130
8 8 Bayanargalan	14	16	19	21	24	26	29	31	33	35	37	39	41	43	46	48	50	52	55	57
8 9 Undurshil	19	22	26	29	32	35	39	42	44	47	49	52	54	57	61	64	67	70	74	77
8 10 Ulziit	19	22	25	28	32	35	38	41	44	46	49	51	54	57	60	63	67	70	73	76
8 11 Khuld	36	42	48	54	61	67	73	79	84	89	94	99	104	110	116	122	128	134	140	146
8 12 Luus	37	43	50	56	62	68	75	81	86	91	96	101	106	112	119	125	131	137	144	150
8 13 Saikhhan-Ovoo	31	36	42	47	52	57	63	68	72	77	81	86	90	95	101	106	111	116	122	127
8 14 Delgerthangai	37	43	50	56	63	69	76	82	87	92	98	103	108	114	121	127	133	139	146	152
8 15 Erdenedalai	142	166	190	214	239	263	287	311	330	350	369	389	408	432	456	480	504	528	552	576

Annex 4.9-5 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9	ZAVKHAAN Aimag Total	3538	3610	4081	4353	4624	4896	5167	5439	5779	6120	6460	6801	7141	7559	7977	8395	8813	9231	9649	10067
9	Total of Sum Centres	1705	1836	1967	2098	2229	2360	2491	2622	2785	2949	3112	3276	3439	3641	3842	4044	4246	4448	4649	4851
9	2 Aldarkhaan	P-2	99	107	114	122	129	137	144	152	161	171	180	190	199	211	222	234	245	257	268
9	3 Asgat	P-4	25	27	29	31	33	35	37	39	41	44	46	49	51	54	57	60	63	66	69
9	4 Bayantes	P-1	48	52	56	60	63	67	71	75	80	84	89	93	98	104	109	115	121	127	138
9	5 Bayankhairkhan	P-4	31	33	36	38	41	43	46	48	51	54	57	60	63	67	70	74	78	82	85
9	6 Bulnai	P-1	390	420	450	480	509	539	569	599	636	674	711	749	786	832	878	924	971	1017	1063
9	7 Duryulzin	P-2	32	34	34	37	39	42	44	49	52	55	58	61	64	68	71	75	79	83	86
9	8 Zavkhanmandal	P-1	43	46	50	53	56	59	63	66	70	74	79	83	87	92	97	102	108	113	118
9	9 Ider	P-2	70	75	81	86	91	96	102	107	114	121	127	134	141	149	158	166	174	182	191
9	10 Ikh-Uul	P-2	34	37	39	42	44	47	49	52	55	58	62	65	68	72	76	80	84	88	92
9	11 Numrug	P-2	33	36	38	41	43	46	48	51	54	57	61	64	67	71	75	79	82	86	90
9	12 Oigon	P-2	45	48	52	55	59	62	66	69	73	77	82	86	90	95	101	106	111	116	122
9	13 Santmargaz	P-4	31	33	36	38	40	42	45	47	50	53	56	59	62	66	69	73	77	81	84
9	14 Songino	P-1	251	270	290	309	329	348	368	387	411	435	460	484	508	538	567	597	627	657	686
9	15 Tudevital	P-1	125	135	144	154	164	174	183	193	205	217	229	241	253	268	283	298	312	327	342
9	16 Tes	P-2	111	120	128	137	145	154	162	171	182	193	203	214	225	238	251	264	278	291	304
9	17 Telmen	P-2	32	34	37	39	42	44	47	49	52	55	58	61	64	68	72	76	79	83	87
9	18 Urgamal	P-2	31	33	36	38	40	42	45	47	50	53	56	59	62	66	69	73	76	80	83
9	19 Tsagaankhairkhan	P-4	37	40	43	46	48	51	54	57	61	64	68	71	75	79	84	88	93	97	102
9	20 Tsagaanчулуут	P-4	21	23	24	26	27	29	30	32	34	36	38	40	42	44	47	49	52	54	57
9	21 Tsitsenuul	P-3	72	77	83	88	94	99	105	110	117	124	131	138	145	153	162	170	179	187	196
9	22 Shituusteri	P-1	73	79	84	90	95	101	106	112	119	126	132	139	146	155	163	172	181	190	198
9	23 Erdenekhairkhan	P-2	43	46	50	53	56	59	63	66	70	74	78	82	86	91	96	101	106	111	116
9	24 Yaruu	P-4	28	30	33	35	37	39	42	44	47	49	52	54	57	60	64	67	71	74	78
10	UVURKHANGAI Aimag Total	4162	4619	5075	5532	5988	6445	6901	7358	7819	8280	8740	9201	9662	10227	10793	11358	11924	12489	13055	13620
10	Total of Sum Centres	2220	2463	2706	2949	3193	3436	3679	3922	4168	4414	4659	4905	5151	5453	5754	6056	6357	6659	6960	7262
10	2 Bayan-Undur	P-2	25	28	30	33	36	39	41	44	47	49	52	54	57	60	64	67	71	74	78
10	3 Burd	P-1	41	45	50	54	59	63	68	72	77	81	86	90	95	100	106	111	117	122	128
10	4 Bat-Ulzii	P-1	104	115	127	138	149	160	172	183	195	206	218	229	241	255	269	283	298	312	326
10	5 BB-Ulaan	P-4	24	27	29	32	34	37	39	42	45	47	50	52	55	58	61	64	68	71	74
10	6 Bayangol	P-1	62	69	75	82	89	96	102	109	116	123	129	136	143	151	160	168	177	185	194
10	7 Guchin-Uus	P-1	58	64	71	77	83	89	96	102	108	115	121	128	134	142	150	158	166	174	182
10	8 Zyii	P-1	89	99	108	118	128	138	147	157	167	177	186	196	206	218	230	242	254	266	278
10	9 Ulzii	P-2	35	39	43	47	50	54	58	62	66	70	73	77	81	86	90	95	100	105	109
10	10 ZB Ulaan	P-1	62	69	76	83	89	96	103	110	117	124	131	138	145	153	162	170	179	187	196
10	11 Bogd	P-2	55	61	67	73	79	85	91	97	103	109	116	122	128	135	143	150	158	165	173
10	12 Naarnteeel	P-1	69	77	84	92	99	107	114	122	130	137	145	152	160	169	179	188	197	206	216
10	13 Sant	P-1	47	52	57	62	68	73	78	83	88	93	99	104	109	115	122	128	135	141	148
10	14 Taragt	P-2	47	52	57	62	68	73	78	83	88	93	99	104	109	115	122	128	135	141	148
10	15 Tugrug	P-2	39	43	48	52	56	60	65	69	73	78	82	87	91	96	102	107	113	118	124
10	16 Yanga	P-1	160	177	195	212	230	247	265	282	300	317	335	352	370	392	413	435	457	479	500
10	17 Kharhandulaan	P-4	29	32	36	39	42	45	49	52	55	58	62	65	68	72	76	80	84	88	92
10	18 Kharzid	P-1	328	364	400	436	472	508	544	580	616	653	689	726	762	807	851	896	940	985	1029
10	19 Kharzhorin	P-1	936	1039	1141	1244	1347	1450	1552	1655	1759	1862	1966	2069	2173	2300	2427	2554	2682	2809	2936
10	20 Bayantees	P-4	10	11	12	13	15	16	17	18	19	20	22	23	24	25	27	28	30	31	33

Annex 4.9-6 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
11	UMNUGOBI Aimag Total	3122	3362	3601	3841	4080	4320	4559	4799	5099	5400	5700	6001	6301	6670	7039	7408	7776	8145	8514	8883
11	Total of Sum Centres	770	829	888	947	1007	1066	1125	1184	1268	1333	1407	1482	1556	1647	1739	1830	1921	2012	2104	2195
11	2 Bayandalai	P-2	43	46	50	53	57	60	64	67	71	75	80	84	88	93	103	109	114	119	124
11	3 Bayan-Ovoo	P-2	29	31	34	36	38	40	43	45	48	50	53	55	58	61	65	68	72	75	79
11	4 Bulgan	P-2	70	75	81	86	92	97	103	108	115	122	128	135	142	150	159	167	175	183	192
11	5 Gurbantes	P-2	73	79	84	90	96	102	107	113	120	127	134	141	148	157	165	174	183	192	200
11	6 Mandal-Ovoo	P-3	74	80	85	91	96	102	107	113	120	127	135	142	149	158	166	175	184	193	201
11	7 Manlai	P-4	41	44	47	50	54	57	60	63	67	71	75	79	83	88	93	98	102	107	112
11	8 Nongon	P-1	116	125	134	143	151	160	169	178	189	200	212	223	234	248	261	275	289	303	316
11	9 Noyon	P-2	47	51	54	58	62	66	69	73	78	82	87	91	96	102	107	113	118	124	129
11	10 Sevrei	P-1	38	41	44	47	49	52	55	58	62	65	69	72	76	81	85	90	94	99	103
11	11 Khanbogd	P-2	37	40	42	45	48	51	53	56	60	63	67	70	74	78	83	87	91	95	100
11	12 Khankhongor	P-2	65	70	75	80	85	90	95	100	106	112	119	125	131	139	146	154	162	170	177
11	13 Khurmen	P-2	32	34	37	39	42	44	47	49	52	55	59	62	65	69	73	77	80	84	88
11	14 Tsogt-Ovoo	P-2	27	29	31	33	36	38	40	42	45	47	50	52	55	58	62	65	68	71	75
11	15 Tsogtsetsii	P-2	39	42	45	48	50	53	56	59	63	67	70	74	78	83	87	92	96	101	105
11	16 Tavantogoi	P-1	39	42	45	48	51	54	57	60	64	68	71	75	79	84	88	93	97	102	106
12	SUKHBAATAR Aimag Total	3746	3988	4230	4472	4713	4955	5197	5439	5779	6120	6460	6801	7141	7559	7977	8395	8813	9231	9649	10067
12	Total of Sum Centres	1254	1335	1415	1496	1577	1658	1738	1819	1933	2047	2162	2276	2390	2530	2670	2810	2950	3090	3230	3370
12	2 Dariganga	P-2	42	45	47	50	53	56	58	61	65	69	73	77	81	86	90	95	100	105	109
12	3 Naran	P-4	43	46	48	51	54	57	59	62	66	70	74	78	82	87	91	96	101	106	110
12	4 Ongon	P-1	128	136	145	153	161	169	178	186	198	210	221	233	245	259	274	288	302	316	331
12	5 Bayandelger	P-2	96	102	109	115	121	127	134	140	149	157	166	174	183	194	205	216	226	237	248
12	6 Khalzan	P-3	61	65	69	73	76	80	84	88	94	99	105	110	116	123	130	137	143	150	157
12	7 Uulbayan	P-1	122	130	137	145	153	161	168	176	187	198	210	221	232	246	259	273	286	300	313
12	8 Munkhhaan	P-1	150	160	169	179	188	198	207	217	231	244	258	271	285	302	318	335	352	369	385
12	9 Sukhbaatar	P-3	61	65	69	73	77	81	85	89	94	100	105	111	116	123	130	137	143	150	157
12	10 Eerdenetsagaan	P-1	174	185	196	207	219	230	241	252	268	284	299	315	331	350	370	389	408	427	447
12	11 Tumentsogi	P-1	245	261	277	293	308	324	340	356	378	400	423	445	467	494	522	549	577	604	632
12	13 Tuvsinshree	P-1	51	54	58	61	64	67	71	74	79	83	88	92	97	103	108	114	120	126	131
12	13 Asgat	P-2	62	66	70	74	78	82	86	90	96	101	107	112	118	125	132	139	145	152	159
12	14 Talbulag (uurkhai)	P-4	19	20	22	23	24	25	27	28	30	32	33	35	37	39	41	43	46	48	50

Annex 4.9-7 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																					
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
13	SELENGE Aimag Total	6451	6626	6802	6977	7152	7327	7503	7678	8159	8639	9120	9600	10081	10671	11261	11851	12442	13032	13622	14212		
13	Total of Sum Centres	4412	4532	4652	4772	4891	5011	5131	5251	5579	5908	6236	6565	6893	7297	7701	8105	8509	8913	9317	9721		
13	2 Altanbulag	P-1	203	208	214	219	225	230	236	241	256	271	287	302	317	336	354	373	391	410	428	447	
13	3 Eruu	P-1	163	168	172	177	181	186	190	195	207	219	231	243	255	270	285	300	315	330	345	360	
13	4 Zuunburen	P-1	85	87	90	92	94	96	99	101	107	113	120	126	132	140	148	156	163	171	179	187	
13	5 Khushbaat	P-4	45	46	47	48	50	51	52	53	56	60	63	67	70	74	78	82	87	91	95	99	
13	6 Orkhon	P-3	68	70	72	74	75	77	79	81	86	91	97	102	107	113	120	126	132	138	145	151	
13	7 Sant	P-1	95	98	100	103	105	108	110	113	120	127	135	142	149	158	166	175	184	193	201	210	
13	8 Khuder	P-4	59	61	62	64	66	68	69	71	75	80	84	89	93	98	104	109	115	120	126	131	
13	9 Tsaganuudur	P-1	165	170	174	179	183	188	192	197	209	221	234	246	258	273	288	303	319	334	349	364	
13	10 Bugant	P-3	122	125	129	132	136	139	143	146	155	164	173	182	191	202	214	225	236	247	259	270	
13	11 Orkhontuul	P-1	137	141	144	148	152	156	159	163	173	184	194	205	215	228	240	253	265	278	290	303	
13	12 Banuurburen	P-2	134	138	141	145	149	153	156	180	170	180	190	200	210	222	235	247	259	271	284	296	
13	13 Dulaanthaan	P-4	46	47	48	49	51	52	53	54	57	61	64	68	71	75	80	84	88	92	97	101	
13	14 Javkhant	P-4	55	56	58	59	61	62	64	65	69	73	77	81	85	90	95	100	105	110	115	120	
13	15 Sheemar	P-1	220	226	232	238	244	250	256	262	278	294	311	327	343	363	383	403	424	444	464	484	
13	16 Tushig	P-4	62	64	65	67	68	70	71	73	78	82	87	91	96	102	107	113	119	125	130	136	
13	17 Saikhan	P-2	270	277	285	292	300	307	315	322	342	362	382	402	422	447	471	496	521	546	570	595	
13	18 Khutui	P-1	658	676	694	712	729	747	765	783	832	881	930	979	1028	1088	1148	1208	1269	1329	1389	1449	
13	19 Zuunkharaa	P-1	1512	1553	1594	1635	1676	1717	1758	1799	1912	2024	2137	2249	2362	2500	2639	2777	2915	3053	3192	3330	
13	20 Bayangol(Banuuharaa)	P-1	295	303	311	319	327	335	343	351	373	395	417	439	461	488	515	542	568	595	622	649	
13	21 Uunkhel	P-2	18	18	19	19	20	21	21	22	24	25	27	28	30	31	33	34	36	37	39	39	
14	TUV Aimag Total	5202	5510	5818	6126	6434	6742	7050	7358	7819	8280	8740	9201	9662	10227	10793	11358	11924	12489	13055	13620		
14	Total of Sum Centres	2765	2928	3091	3254	3416	3579	3742	3905	4150	4395	4639	4884	5129	5429	5730	6030	6330	6630	6931	7231		
14	2 Altanbulag	P-2	52	55	58	61	64	67	70	73	78	82	87	91	96	102	107	113	119	125	130	136	
14	3 Argalant	P-2	79	84	88	93	97	102	106	111	118	125	132	139	146	155	163	172	180	189	197	206	
14	4 Batsumber	P-2	124	131	139	146	153	160	168	175	186	197	208	219	230	243	257	270	284	297	311	324	
14	5 Bayan	P-1	103	109	115	121	128	134	140	146	155	164	174	183	192	203	215	226	237	248	260	271	
14	6 Bayan-Unzuul	P-4	40	41	42	43	44	45	46	48	51	53	54	56	58	60	62	64	67	69	71	73	
14	7 Bayanjargalan	P-4	49	51	52	55	58	60	63	66	69	73	77	82	86	90	95	101	106	111	116	122	127
14	8 Bayankhangai	P-1	69	73	77	81	85	89	93	97	103	109	115	121	127	135	142	150	157	165	172	180	
14	9 Bayantsagaan	P-4	51	54	57	60	63	66	69	72	77	81	86	90	95	101	106	112	117	123	128	134	
14	10 Bayantsogt	P-1	112	119	125	132	138	145	151	158	168	178	187	197	207	219	231	243	256	268	280	292	
14	11 Bornuur	P-1	162	172	181	191	201	211	220	230	244	258	273	287	301	319	336	354	372	390	407	425	
14	12 Buren	P-3	53	56	59	62	66	69	72	75	80	85	89	94	99	105	110	116	122	128	133	139	
14	13 Delgerthaan	P-3	58	61	65	68	72	75	79	82	87	92	98	103	108	114	121	127	133	139	146	152	
14	14 Jarqalant	P-1	285	302	319	336	353	370	387	404	429	454	480	505	530	561	592	623	654	685	716	747	
14	15 Zaamar	P-1	163	173	182	192	201	211	220	230	244	258	273	288	302	320	337	355	373	391	408	426	
14	16 Lun	P-1	207	219	231	243	256	268	280	292	310	329	347	366	384	406	429	451	474	496	519	541	
14	17 Undurshireet	P-4	46	49	51	54	57	60	62	65	69	73	78	82	86	91	96	101	106	111	116	121	
14	18 Sergelen	P-2	39	41	44	46	48	50	53	55	58	62	65	69	72	76	80	84	89	93	97	101	
14	19 Sunber	P-2	83	88	93	98	102	107	112	117	124	131	139	146	153	162	171	180	189	198	207	216	
14	20 Ugtal	P-1	149	158	166	175	184	193	201	210	223	236	250	263	276	292	308	324	341	357	373	389	
14	21 Tseel	P-1	163	173	182	192	202	212	221	231	245	260	274	289	303	321	338	356	374	392	409	427	
14	22 Erdene	P-1	74	78	83	87	91	95	100	104	111	117	124	130	137	145	153	161	169	177	185	193	
14	23 Erdenesant	P-1	203	215	227	239	251	263	275	287	305	323	341	359	377	399	421	443	465	487	509	531	
14	24 Arkhust	P-2	52	55	58	61	64	67	70	73	78	82	87	91	96	102	107	113	118	124	129	135	
14	25 Bayanchandmani	P-1	217	230	242	255	268	281	293	306	325	344	364	383	402	426	449	473	496	520	543	567	
14	26 Zanchivan	P-2	9	9	10	10	11	11	12	12	13	14	14	15	16	17	18	19	19	20	21	22	
14	27 Bayandelger	P-2	90	95	101	106	111	116	122	127	135	143	151	159	167	177	187	197	206	216	226	236	
14	28 Mungunmont	P-2	53	56	59	62	66	69	72	75	80	85	89	94	99	105	111	117	122	128	134	140	

Annex 4.9-8 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
15	UVS Aimag Total	2913	3137	3360	3584	3808	4032	4255	4479	4759	5040	5320	5601	5881	6225	6570	6914	7258	7602	7947	8291
15	Total of Sum Centres	711	765	820	874	929	983	1038	1092	1161	1230	1300	1369	1438	1522	1607	1691	1775	1859	1944	2028
15	2 Baruunтуруун	P-1	96	103	111	118	126	133	141	148	157	166	176	185	194	205	217	228	240	251	263
15	3 Bokhmurun	P-1	34	37	39	42	44	47	49	52	55	58	62	65	68	72	76	80	83	87	91
15	4 Davst	P-4	24	26	28	30	31	33	35	37	39	42	44	47	49	52	55	58	60	63	66
15	5 Zavkhan	P-1	35	38	40	43	46	49	51	54	57	61	64	68	71	75	79	83	88	92	96
15	6 Zuungobi	P-2	24	26	28	30	31	33	35	37	39	42	44	47	49	52	55	58	60	63	66
15	7 Zuukhangai	P-1	28	30	32	34	37	39	41	43	46	48	51	53	56	59	63	66	69	72	76
15	8 Malchin	P-4	29	31	33	35	38	40	42	44	47	50	52	55	58	61	65	68	72	75	79
15	9 Naranbulag	P-4	34	37	39	42	44	47	49	52	55	59	62	66	69	73	77	81	85	89	93
15	10 Ulgii	P-4	22	24	25	27	29	31	32	34	36	38	41	43	45	48	50	53	55	58	60
15	11 Umnugobi	P-1	46	50	53	57	60	64	67	71	76	80	85	89	94	99	105	110	116	121	127
15	12 Undurkhangai	P-2	58	62	67	71	76	80	85	89	95	100	106	111	117	124	131	138	144	151	158
15	13 Sagii	P-4	31	33	36	38	41	43	46	48	51	54	57	60	63	67	70	74	78	82	85
15	14 Tatalan	P-2	79	85	91	97	103	109	115	121	129	137	144	152	160	169	179	188	197	206	216
15	15 Turgan	P-4	31	33	36	38	40	42	45	47	50	53	56	59	62	66	69	73	77	81	84
15	16 Tes	P-1	33	36	38	41	43	46	48	51	54	57	61	64	67	71	75	79	83	87	91
15	17 Kharkhira	P-4	8	9	9	10	10	11	11	12	13	14	14	15	16	17	18	19	20	21	22
15	18 Khovd	P-4	16	17	18	19	21	22	23	24	26	27	29	30	32	34	36	38	39	41	43
15	19 Khvrgas	P-1	27	29	31	33	36	38	40	42	45	47	50	52	55	58	62	65	68	71	75
15	20 Tsagaankhairkhan	P-2	56	60	65	69	73	77	82	86	91	97	102	108	113	120	126	133	140	147	153
16	KHOVD Aimag Total	3954	4258	4561	4865	5168	5472	5775	6079	6459	6840	7220	7601	7981	8448	8915	9382	9850	10317	10784	11251
16	Total of Sum Centres	1140	1227	1314	1401	1489	1576	1663	1750	1860	1970	2079	2189	2299	2434	2569	2704	2838	2973	3108	3243
16	2 Altai	P-2	48	52	55	59	62	66	69	73	78	82	87	91	96	102	107	113	119	125	130
16	3 Bulgan	P-1	221	238	255	272	288	305	322	339	360	381	403	424	445	471	497	523	550	576	602
16	4 Buyant	P-2	71	77	82	88	93	99	104	110	117	124	130	137	144	152	161	169	178	186	195
16	5 Darvi	P-1	86	93	99	106	113	120	126	133	141	149	158	166	174	184	195	205	215	225	236
16	6 Durgun	P-3	68	73	79	84	89	94	100	105	112	118	125	131	138	146	154	162	170	178	186
16	7 Duut	P-4	26	28	30	32	33	35	37	39	42	44	47	49	52	55	58	61	64	67	70
16	8 Zereg	P-2	57	61	66	70	74	78	83	87	92	98	103	109	114	121	127	134	141	148	154
16	9 Mankhan	P-1	83	89	96	102	108	114	121	127	135	143	151	159	167	177	187	197	206	216	226
16	10 Munkhkhann	P-4	17	18	20	21	22	23	25	26	28	29	31	32	34	36	38	40	42	44	46
16	11 Must	P-2	77	83	89	95	100	106	112	118	125	133	140	148	155	164	173	182	192	201	210
16	12 Myngad	P-2	49	53	56	60	64	68	71	75	80	85	89	94	99	105	110	116	122	128	133
16	13 Uench	P-2	138	149	159	170	180	191	201	212	225	239	252	266	279	295	312	328	344	360	377
16	14 Khovd	P-4	46	49	53	56	60	63	67	70	74	79	83	88	92	97	103	108	114	119	125
16	15 Tsetsej	P-2	62	67	71	76	81	86	90	95	101	107	113	119	125	132	140	147	154	161	169
16	16 Chandman	P-2	45	49	52	56	59	63	66	70	74	78	83	87	91	96	102	107	113	118	124
16	17 Erdeneburen	P-2	46	50	53	57	60	64	67	71	76	80	85	89	94	99	105	110	116	121	127

Annex 4.9-9 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
17	KHUVSUGL Aimag Total	8115	8601	9087	9573	10059	10545	11031	11517	12238	12959	13680	14401	15122	16007	16892	17777	18662	19547	20432	21317
17	Total of Sum Centres	2852	3022	3192	3362	3532	3702	3872	4042	4296	4551	4805	5060	5314	5624	5935	6245	6555	6865	7176	7486
17	2 Alag-Erdene	P-3	78	83	87	92	96	101	105	110	117	124	131	138	145	153	162	170	179	187	196
17	3 Arbulag	P-3	123	130	138	145	153	160	168	175	186	197	207	218	229	242	256	269	283	296	310
17	4 Bayanzurkh	P-3	95	101	106	112	118	124	129	135	143	152	160	169	177	187	198	208	218	228	239
17	5 Burentogtokh	P-1	151	160	169	178	187	196	205	214	227	241	254	268	281	297	314	330	347	363	380
17	6 Burenkhaan	P-4	22	23	25	26	27	28	30	31	33	35	37	39	41	43	46	48	51	53	56
17	7 Galt	P-2	70	74	79	83	87	91	96	100	106	112	119	125	131	139	146	154	161	169	178
17	8 Jargalant	P-2	136	144	152	160	169	177	185	193	205	217	230	242	254	269	283	298	313	328	342
17	9 Jikh-Uul	P-1	161	171	180	190	199	209	218	228	242	258	271	285	299	317	334	352	369	387	404
17	10 Rashant	P-1	105	111	117	123	130	136	142	148	157	167	176	186	195	206	218	229	241	252	264
17	11 Rentshikhumbе	P-1	105	111	118	124	130	136	143	149	158	168	177	187	196	207	219	230	242	253	265
17	12 Tariatan	P-3	104	110	117	123	129	135	142	148	157	167	176	186	195	206	218	229	240	251	263
17	13 Tosontseugel	P-3	95	101	106	112	117	123	128	134	143	151	160	168	177	187	198	208	218	228	239
17	14 Tumurbulag	P-3	83	88	93	98	103	108	113	118	125	133	140	148	155	164	173	182	191	200	209
17	15 Tunel	P-2	102	108	114	120	126	132	138	144	153	162	172	181	190	201	212	223	234	245	256
17	16 Ulaan-Uul	P-1	94	100	105	111	116	122	127	133	141	150	158	167	175	185	196	206	216	226	237
17	17 Khankh	P-1	233	247	261	275	288	302	316	330	351	372	392	413	434	459	485	510	535	560	586
17	18 Tsagaanuur	P-1	62	66	69	73	77	81	84	88	93	99	104	110	115	122	129	136	142	149	156
17	19 Tsagaan-uu	P-1	183	194	205	216	226	237	248	259	275	291	308	324	340	360	380	400	420	440	460
17	20 Tsagaan-uur	P-2	83	88	93	98	103	108	113	118	126	133	141	148	156	165	174	183	192	201	210
17	21 Tselserleg	P-2	105	111	118	124	130	136	143	149	158	167	177	186	195	206	218	229	241	252	264
17	22 Chandman Undur	P-3	110	117	123	130	136	143	149	156	166	176	185	195	205	217	229	241	253	265	277
17	23 Shine-Ider	P-1	91	96	102	107	113	118	124	129	137	145	154	162	170	180	190	200	210	220	230
17	24 Erdenebulgan	P-2	91	96	102	107	112	117	123	128	136	144	153	161	169	179	189	199	208	218	228
18	KHENTI Aimag Total	4786	5062	5338	5614	5890	6166	6442	6718	7139	7580	7980	8401	8822	9338	9854	10370	10887	11403	11919	12435
18	Total of Sum Centres	2573	2721	2869	3017	3166	3314	3462	3610	3836	4063	4289	4516	4742	5019	5297	5574	5852	6129	6407	6684
18	2 Galsnar	P-2	35	37	39	41	43	45	47	49	52	55	58	61	64	68	71	75	79	83	86
18	3 Bayankhulagt	P-2	71	75	79	83	87	91	95	99	105	112	118	125	131	139	146	154	161	169	176
18	4 Darkhan	P-1	37	39	41	43	46	48	50	52	55	58	62	65	68	72	76	80	84	88	92
18	5 Bayanmunkh	P-1	52	55	58	61	64	67	70	73	78	82	87	91	96	102	107	113	118	124	129
18	6 Delgerkhaan	P-1	97	103	108	114	119	125	130	136	144	153	161	170	178	188	199	209	220	230	241
18	7 Jargalkhaan	P-1	73	77	82	86	90	94	99	103	109	116	122	129	135	143	151	159	166	174	182
18	8 Tsenkhermandal	P-1	39	41	44	46	48	50	53	55	58	62	65	69	72	76	81	85	89	93	98
18	9 Murun	P-2	59	62	66	69	73	76	80	83	88	93	99	104	109	115	122	128	135	141	148
18	10 Umnudeiger	P-1	177	187	197	207	218	228	238	248	264	279	295	310	328	345	364	383	402	421	440
18	11 Bayanadraга	P-3	65	69	72	76	80	84	87	91	97	103	108	114	120	127	134	141	147	154	161
18	12 Binder	P-2	111	117	124	130	137	143	150	156	166	175	185	194	204	216	228	240	252	264	276
18	13 Batshireet	P-4	56	59	62	65	69	72	75	78	83	88	93	98	103	109	115	121	127	133	139
18	14 Batnbrov	P-1	56	59	63	66	69	72	76	79	84	89	94	99	104	110	116	122	128	134	140
18	15 Berkh	P-1	215	227	240	252	265	277	290	302	321	340	359	378	397	420	443	466	490	513	536
18	16 Bayan-Ovoo	P-2	37	39	41	43	46	48	50	52	55	58	62	65	68	72	76	80	84	88	92
18	17 Khajuu-Ulaan	P-3	112	118	125	131	138	144	151	157	167	177	186	196	206	218	230	242	255	267	279
18	18 Norovlin	P-1	61	65	68	72	75	79	82	86	91	97	102	108	113	120	126	133	140	147	153
18	19 Dadal	P-2	90	95	100	105	111	116	121	126	134	142	150	158	166	176	185	195	205	215	224
18	20 Ujilt	P-2	73	77	81	85	90	94	98	102	108	115	121	128	134	142	150	158	165	173	181
18	21 Gurbanbulag	P-3	57	60	64	67	70	73	77	80	85	90	95	100	105	111	118	124	130	136	143
18	22 Bor-Undur	P-1	1000	1058	1115	1173	1230	1288	1345	1403	1491	1579	1667	1755	1843	1951	2059	2167	2274	2382	2490

Annex 4.9-10 Demand Forecast of Mobile Telephone for Sums (Medium Growth-Medium Rate)

		Demand																			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19	DARKHAN-UUL Aimag Total	3746	4034	4321	4609	4896	5184	5471	5759	6119	6480	6840	7201	7561	8004	8446	8889	9331	9774	10216	10659
	Total of Sum Centres	456	491	526	561	596	631	666	701	745	789	834	878	922	976	1030	1084	1137	1191	1245	1299
19	2 Sharin gol	P-2	314	338	362	386	411	435	459	483	513	544	574	605	635	672	709	746	784	821	858
19	3 Khongor	P-2	85	92	98	105	111	118	124	131	139	147	156	164	172	182	192	202	212	222	232
19	4 Orkhon	P-2	57	61	66	70	74	78	83	87	93	98	104	109	115	122	128	135	142	149	155
20	ORKHON Aimag Total	22680	24330	25980	27630	29279	30929	32579	34229	36372	38515	40659	42802	44945	47576	50206	52837	55467	58098	60728	63359
20	Total of Sum Centres	2798	3002	3205	3409	3612	3816	4019	4223	4487	4752	5016	5281	5545	5870	6194	6519	6843	7168	7492	7817
20	2 Jargalant	P-1	2798	3002	3205	3409	3612	3816	4019	4223	4487	4752	5016	5281	5545	5870	6194	6519	6843	7168	7492
21	GOBISUMBER Aimag Total	833	851	869	887	906	924	942	960	1020	1080	1140	1200	1260	1334	1408	1482	1555	1629	1703	1777
21	Total of Sum Centres	228	233	238	243	247	252	257	262	279	295	312	328	345	365	385	405	426	446	466	486
21	1 Shiveegobi	P-1	201	205	210	214	218	222	227	246	260	275	289	304	322	339	357	375	393	410	428
21	3 Bayntal	P-2	27	28	28	29	29	30	31	33	35	37	39	41	43	46	48	51	53	56	58
22	NALAIKH Aimag Total	3135	3392	3649	3906	4164	4421	4678	4935	5244	5553	5862	6171	6480	6859	7239	7618	7997	8376	8756	9135
22	Total of Sum Centres	255	276	297	318	338	359	380	401	426	451	477	502	527	558	589	620	651	682	713	744
22	2 Tereji	P-3	156	169	182	195	207	220	233	246	261	276	292	307	322	341	360	379	398	417	436
22	3 Shokholi	P-4	35	38	41	44	46	49	52	55	59	62	66	69	73	77	82	86	90	94	99
22	4 Arzanchivan	P-4	35	38	41	44	46	49	52	55	59	62	66	69	73	77	82	86	90	94	99
22	5 Nisekh/GORDOK	P-4	29	31	34	36	38	40	43	45	48	51	53	56	62	66	69	73	76	80	83
	BAGANUUR Aimag Total	2769	2998	3224	3451	3678	3905	4133	4360	4633	4906	5179	5452	5725	6060	6395	6730	7065	7400	7735	8070
23	1 Baganuur city	2769	2998	3224	3451	3678	3905	4133	4360	4633	4906	5179	5452	5725	6060	6395	6730	7065	7400	7735	8070
	Total of Sum Centres	35525	37987	40448	42910	45372	47834	50295	52757	56064	59371	62678	65985	69292	73348	77405	81461	85518	89574	93631	97687
	Total of Aimag/Districts	110367	118323	126278	134234	142189	150145	158100	166056	176452	186848	197243	207639	218035	230796	243558	256319	269080	281841	294603	307364
24	Ulaanbaatar	97716	105735	113765	121774	129794	137813	145833	153852	163485	173119	182752	192386	202019	213843	225667	237491	249315	261139	272963	284787
	National Total]	208083	224058	240033	256008	271983	287958	303933	319908	339937	359966	379996	400025	420054	444639	469225	493810	518395	542980	567566	592151

Annex 4.10 Fulfillment Plan of Demand Forecast

New connection Summary Table		Aimag																						Total
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
1	ARKHANGAI Aimag Total	0	0	0	252	680	53	350	191	180	86	86	252	94	129	129	129	129	129	129	129	129	3,126	
2	BAYAN-ULGII Aimag Total	0	0	0	0	0	69	86	219	167	28	255	38	186	128	118	66	66	66	66	66	66	1,625	
3	BAYANKHONGOR Aimag Total	0	0	0	409	115	25	336	383	124	98	351	177	301	135	135	135	135	135	135	135	135	3,261	
4	BULGAN Aimag Total	0	0	0	662	232	95	538	138	158	110	110	110	110	151	151	151	151	151	151	151	151	3,324	
5	GOBI-ALTAI Aimag Total	0	0	0	0	218	86	140	111	130	63	283	191	128	98	147	107	107	107	107	107	107	2,202	
6	DORNOGovi Aimag Total	0	0	0	385	132	86	153	45	143	184	177	75	75	173	107	107	107	107	107	107	107	2,330	
7	DORNOD Aimag Total	0	0	0	0	0	107	100	4	4	119	44	19	19	26	26	63	28	170	72	37	37	857	
8	DUNDGOBI Aimag Total	0	0	0	-27	12	81	29	46	81	57	33	33	66	118	56	56	56	56	56	56	56	903	
9	ZAVKHAN Aimag Total	0	0	0	259	66	153	179	108	126	218	72	146	75	103	103	151	237	151	143	115	115	2,406	
10	UVURKHANGAI Aimag Total	0	0	0	299	192	271	110	205	217	152	122	122	122	167	167	217	217	169	213	171	192	3,109	
11	UMNUGOBI Aimag Total	0	0	0	0	0	107	77	7	181	127	32	99	35	49	107	52	52	52	52	52	52	1,281	
12	SUKHBAATAR Aimag Total	0	0	0	291	329	69	99	79	90	50	50	50	188	76	131	79	79	79	79	79	79	1,926	
13	SELENGE Aimag Total	0	0	0	790	228	108	256	11	150	156	217	155	211	320	265	312	231	231	231	231	231	4,102	
14	TUV Aimag Total	0	0	0	843	260	176	158	246	280	121	115	115	168	213	268	170	170	170	170	170	171	3,845	
15	UVS Aimag Total	0	0	0	0	76	178	11	149	78	52	26	26	26	35	35	85	176	82	82	82	88	1,204	
16	KHOVD Aimag Total	0	0	0	160	53	79	111	194	272	49	49	49	115	71	134	74	74	114	75	99	99	1,769	
17	KHUVSGUL Aimag Total	0	0	0	505	426	102	295	249	94	94	424	461	190	176	176	176	176	176	176	176	178	4,109	
18	KHENTII Aimag Total	0	0	0	726	116	280	143	199	142	172	223	108	249	223	158	158	158	158	158	158	158	3,531	
19	DARKHAN-UUL Aimag Total	0	0	0	0	0	0	363	146	153	48	48	48	48	66	66	66	66	66	66	66	66	1,311	
20	ORKHON Aimag Total	0	0	0	1,121	93	93	93	93	135	135	135	135	135	185	185	185	185	185	185	185	185	3,467	
21	GOBISUMBER Aimag Total	0	0	0	5	0	0	0	0	7	16	8	8	8	12	12	12	12	12	12	12	12	134	
22	NALAIKH Aimag Total	0	0	0	0	0	0	0	0	0	0	0	0	8	8	11	117	61	18	18	18	18	437	
23	BAGANUUR Aimag Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grand-Total		0	0	0	6,682	3,443	2,198	3,460	2,998	3,045	2,060	3,004	2,424	2,557	2,664	2,686	2,683	2,670	2,624	2,597	2,486	2,486	50,259	

Existing Sub	NC-1	NC-2	NC-3	NC-4	Total
P-1	790	2,355	2,227	2,365	7,737
P-2	538	522	212	742	2,014
P-3	235	59	101	125	520
P-4	26	124	89	11	250
Total	1,589	3,060	2,629	3,243	10,521

Annex 4.11 Details of Estimation Formula

Teledensity Calculation Formula for Fixed Telephone

$$y = a x^b$$

① Low Growth

x1, x2	GDP/Cap	593	20,000
y1, y2	Teledens	6.68	40

log (x1)	log (x2)
2.773055	4.30103

log (y1)	log (y2)
0.824776	1.60206

b = 0.508702
log (a) = -0.58588
a = 0.259489

② Middle Growth

x1, x2	GDP/Cap	593	4,000
y1, y2	Teledens	6.68	30

log (x1)	log (x2)
2.773055	3.60206

log (y1)	log (y2)
0.824776	1.477121

b = 0.786901
log (a) = -1.35734
a = 0.04392

③ High Growth

x1, x2	GDP/Cap	593	3000
y1, y2	Teledens	6.68	40

log (x1)	log (x2)
2.773055	3.477121

log (y1)	log (y2)
0.824776	1.60206

b = 1.103992
log (a) = -2.23665
a = 0.005799

x: GDP/Capita
 y: Teledensity
 a: Constant
 b: Constant

Teledensity Calculation Formula for Cellularphone

$$y = a \ln (x) - b$$

① Low Growth

x1	10,000	ln(x1)	9.21034
y1	30		

x2	593	ln(x2)	6.385194
y2	8.67		
		y2-y1	-21.33

a = 7.550052
b = 39.53855

② Middle Growth

x1	10,000	ln(x1)	9.21034
y1	50		

x2	593	ln(x2)	6.385194
y2	8.67		
		y2-y1	-41.33

a = 14.62933
b = 84.74113

③ High Growth

x1	10000	ln(x1)	9.21034
y1	70		

x2	593	ln(x2)	6.385194
y2	8.67		
		y2-y1	-61.33

a = 21.70861
b = 129.9437

Annex 4.12

Macroscopic Demand Forecast of Internet

All Mongolia

No	Name of Aimag	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)
1	Arkhangai	41,014	67,661	9,422	16,110	689	543	919	950	1,149	1,357
2	Bayan-Ulgii	66,126	72,675	15,098	17,304	740	382	986	669	1,233	956
3	Bayankhongor	36,735	63,819	8,383	15,195	929	599	1,239	1,049	1,549	1,498
4	Bulgan	33,071	37,937	7,718	9,033	383	491	511	860	639	1,228
5	Govi-Altai	28,416	36,939	6,522	8,795	568	410	757	718	947	1,025
6	Dornogovi	44,776	21,679	10,320	5,162	730	395	973	691	1,217	987
7	Dornod	63,177	22,170	14,347	5,279	814	244	1,086	426	1,357	609
8	Dundgovi	20,797	38,063	4,753	9,063	301	246	402	430	502	615
9	Zavkhan	39,122	49,229	9,026	11,721	476	440	635	771	793	1,101
10	Uvurkhangai	54,997	83,171	12,696	19,803	562	549	749	961	936	1,372
11	Umnugovi	27,279	33,235	6,229	7,913	559	330	746	578	932	826
12	Sukhbaatar	27,110	36,904	6,218	8,787	534	351	712	614	890	877
13	Selenge	108,794	21,694	25,454	5,165	723	723	964	1,385	1,205	1,979
14	Tuv	59,721	55,659	13,920	13,252	508	635	678	1,111	847	1,567
15	Uvs	40,150	44,436	9,181	10,580	532	351	710	615	887	878
16	Khovd	55,968	56,332	12,750	13,412	812	389	1,082	681	1,353	973
17	Khuvsgul	63,184	78,875	14,482	18,780	1,172	723	1,563	1,266	1,954	1,808
18	Kheniti	49,759	32,672	11,581	7,779	575	546	766	955	958	1,364
19	Darkhan-Uul	116,445	7,478	26,021	1,780	2,045	150	2,727	263	3,409	376
20	Orkhon	115,594	7,045	25,583	1,677	13,628	201	18,170	352	22,713	503
21	Govisumber	13,297	3,440	2,997	819	273	41	365	71	456	101
Aimag Total (1)		1,976,644		460,104		27,555	8,809	36,740	15,415	45,924	22,022
22	Nalaikh	36,457	0	8,140	0	1,864	82	2,485	143	3,106	205
23	Baganuur	32,206	0	7,109	0	1,925	0	2,567	0	3,209	0
District Total (2)		68,663		15,249		3,789	82	5,052	143	6,315	205
Aimag & Dist Total (1)+(2)		2,045,307		475,353		31,344	8,891	41,792	15,559	52,240	22,227
		2,045,307		475,353		40,234		57,350		74,466	
24	Ulaanbaatar	1,136,637	0	247,095	0	94,903	0	115,239	0	135,575	0
UB Total (3)		1,136,637		247,095		94,903		115,239		135,575	
Mongolia Total (1)+(2)+(3)		3,181,944		722,448		126,247	8,891	157,031	15,559	187,815	22,227
		3,181,944		722,448		135,137		172,590		210,042	

Annex 4.12

Macroscopic Demand Forecast of Internet

ARKHANGAI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2020) (Aimag)	GRP Adjust				
													Number of Sub. (2020) (Sum & Other)	Number of Sub. For (Organization)			
1 Aimag centre	17,799	17,799	0	0.18233	0.00000	19,815	0	4,374.2	0.0	689	0	919	0	1,099	0	50	
2 Battsengel	4,271	1,178	3,093	0.01207	0.03168	1,311	3,443	312.2	819.8		30		52		55	20	
3 Bulgan	2,910	743	1,567	0.00761	0.01605	827	1,744	196.9	415.4		20		36		31	20	
4 Zargalant	4,779	880	3,899	0.00901	0.03994	980	4,341	233.3	1,033.5		31		54		57	20	
5 Ikhtamir	6,468	1,455	5,013	0.01491	0.05135	1,620	5,581	385.7	1,328.8		40		70		80	20	
6 Ugiinuur	3,370	644	2,726	0.00660	0.02793	717	3,035	170.7	722.6		24		42		40	20	
7 Ulziit	3,203	902	2,301	0.00924	0.02357	1,004	2,562	239.1	609.9		25		43		41	20	
8 Undur-Ulaan	6,068	1,368	4,700	0.01401	0.04815	1,523	5,232	362.6	1,245.8		38		67		75	20	
9 Tanat	5,858	1,315	4,543	0.01347	0.04654	1,464	5,058	348.6	1,204.2		37		65		72	20	
10 Tuvshuuleh	3,625	2,044	1,581	0.02094	0.01620	2,276	1,760	541.8	419.1		31		54		57	20	
11 Tsakhir	2,228	506	1,722	0.00518	0.01764	563	1,917	134.1	456.4		19		33		28	20	
12 Tsenkher	5,381	1,227	4,154	0.01257	0.04255	1,366	4,625	325.2	1,101.1		35		61		67	20	
13 Tsetserleg	4,460	1,046	3,414	0.01072	0.03497	1,164	3,801	277.3	904.9		30		53		56	20	
14 Chulout	3,933	849	3,084	0.00870	0.03159	945	3,433	225.0	817.5		27		48		48	20	
15 Khaikhan	3,905	1,091	2,814	0.01118	0.02883	1,215	3,133	289.2	745.9		28		49		50	20	
16 Khangai	3,554	659	2,895	0.00675	0.02966	734	3,223	174.7	767.4		25		44		43	20	
17 Khashaat	4,338	439	3,899	0.00450	0.03994	489	4,341	116.4	1,033.5		27		48		48	20	
18 Khotont	5,603	1,324	4,279	0.01356	0.04383	1,474	4,764	350.9	1,134.2		36		63		70	20	
19 Erdenemandal	6,465	1,372	5,093	0.01405	0.05217	1,527	5,670	363.7	1,350.0		40		69		79	20	
						41,014	67,661	9,422	16,110	689	543	919	1,149	1,357	1,149	1,357	2,506
							108,675		25,531		1,232		1,869				

Annex 4.12

Macroscopic Demand Forecast of Internet

BAYAN-UJLGII

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020) (Total)	Number of HH (Except Rural)	Number of HH (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2008) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2013) (Aimag)	GRP Adjust		
																	Number of Sub. (2020) (Aimag)	Number of Sub. For (Organization)	
1 Aimag center	25,763	25,763	0	0.26857	0.00000	37,276	0	37,276	8,229.1	0.0	740	0	986	0	1,183	0	1,183	0	
2 Altai	4,016	1,013	3,003	0.01056	0.03131	1,466	4,345	5,811	349.0	1,034.6	23	23	40	40	38	38	20	20	
3 Altantsuugs	3,168	1,131	2,037	0.01179	0.02124	1,637	2,947	4,584	389.6	701.8	21	21	37	37	32	32	20	20	
4 Bayannuur	5,140	2,206	2,934	0.02300	0.03059	3,192	4,245	7,437	760.0	1,010.8	30	30	53	53	55	55	20	20	
5 Bugat	3,541	1,010	2,531	0.01053	0.02638	1,461	3,662	5,123	348.0	872.0	22	22	38	38	34	34	20	20	
6 Bulgan	5,916	1,378	4,538	0.01437	0.04731	1,994	6,566	8,560	474.7	1,563.4	30	30	52	52	55	55	20	20	
7 Buyant	3,060	835	2,225	0.00870	0.02319	1,208	3,219	4,427	287.7	766.5	20	20	34	34	29	29	20	20	
8 Deluun	8,347	1,634	6,713	0.01703	0.06998	2,364	9,713	12,077	562.9	2,312.7	38	38	66	66	75	75	20	20	
9 Nogoornuur	7,094	2,217	4,877	0.02311	0.05084	3,208	7,057	10,265	763.8	1,680.2	36	36	63	63	70	70	20	20	
10 Tolbo	4,773	1,165	3,608	0.01214	0.03761	1,686	5,221	6,907	401.4	1,243.0	26	26	45	45	45	45	20	20	
11 Ulaankhus	8,437	1,657	6,780	0.01727	0.07068	2,398	9,810	12,208	570.9	2,335.8	38	38	67	67	76	76	20	20	
12 Sagsai	4,876	1,331	3,545	0.01388	0.03696	1,926	5,129	7,055	458.5	1,221.3	27	27	47	47	47	47	20	20	
13 Tsengel	8,110	1,507	6,603	0.01571	0.06883	2,181	9,554	11,735	519.2	2,274.8	37	37	65	65	72	72	20	20	
14 Khotigor	1,832	1,000	832	0.01042	0.00867	1,447	1,204	2,651	344.5	286.6	16	16	29	29	21	21	20	20	
15 Tsagaanuur	1,853	1,853	0	0.01932	0.00000	2,681	0	2,681	638.4	0.0	19	19	33	33	28	28	20	20	
						86,126	72,675	158,801	15,098	17,304	740	382	986	1,122	1,656	1,233	956	1,233	2,189

Annex 4.12

Macroscopic Demand Forecast of Internet

BAYANKHONGOF

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Sub. (2008) (Aimag)	Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)	GRDP Adjust. Number of Sub. (2020) (Sum & Other)	0.9810 Number of Sub. For (Organization)	
																				Population (2000) (Except Rural)
1 Aimag center	20,501	17,826	2,675	0.20862	0.03131	20,978	3,148	4,630.8	749.5	929	15	929	1,239	26	1,499	37	50			
2 Shargaliut	333	200	133	0.00234	0.00156	235	157	56.0	37.3	5	5	5	9	7	7	5				
3 Uziit	3,721	787	2,934	0.00921	0.03434	926	3,453	220.5	82.1	33	33	33	57	62	62	20				
4 Jinst	2,352	497	1,855	0.00582	0.02171	585	2,183	139.3	519.8	24	24	24	41	39	39	20				
5 Bogd	3,226	666	2,560	0.00779	0.02996	784	3,013	186.6	717.3	29	29	29	51	53	53	20				
6 Bayanlig	3,842	681	3,161	0.00797	0.03699	801	3,720	190.8	895.7	33	33	33	58	62	62	20				
7 Bayangobi	2,903	679	2,224	0.00795	0.02603	799	2,617	190.2	623.1	28	28	28	48	49	49	20				
8 Baantsagaan	4,526	527	3,999	0.00617	0.04680	620	4,706	147.7	1,120.5	36	36	36	63	69	69	20				
9 Bayantsagaan	3,946	675	3,271	0.00790	0.03828	794	3,849	189.1	916.5	33	33	33	58	64	64	20				
10 Bayan-Undur	2,692	331	2,361	0.00387	0.02763	390	2,778	92.7	661.5	25	25	25	43	42	42	20				
11 Shirejinst	2,469	460	2,009	0.00538	0.02351	541	2,364	128.9	562.9	24	24	24	42	40	40	20				
12 Bumbugur	2,755	523	2,232	0.00612	0.02612	615	2,627	146.5	625.4	26	26	26	46	45	45	20				
13 Buutsagaan	4,258	1,234	3,024	0.01444	0.03539	1,452	3,559	345.8	847.3	38	38	38	67	75	75	20				
14 Khureemarl	2,466	516	1,950	0.00604	0.02282	607	2,295	144.6	546.4	24	24	24	43	41	41	20				
15 Bayanbulag	2,252	506	1,746	0.00592	0.02043	595	2,055	141.8	489.2	23	23	23	41	38	38	20				
16 Gurbanbulag	2,915	482	2,433	0.00564	0.02847	567	2,863	135.1	681.7	27	27	27	47	47	47	20				
17 Zag	2,440	629	1,811	0.00736	0.02119	740	2,131	176.2	507.4	25	25	25	44	42	42	20				
18 Jargalant	4,374	1,339	3,035	0.01567	0.03552	1,576	3,572	375.2	850.4	39	39	39	69	79	79	20				
19 Galuut	5,275	964	4,311	0.01128	0.05045	1,134	5,073	270.1	1,207.9	42	42	42	74	86	86	20				
20 Bayan-Oboo	3,043	710	2,333	0.00831	0.02730	836	2,745	198.9	653.7	29	29	29	50	52	52	20				
21 Erdenetsogt	5,158	984	4,174	0.01152	0.04885	1,158	4,912	275.7	1,169.5	42	42	42	73	84	84	20				
						36,735	63,819	8,383	15,195	929	599	929	1,239	1,049	1,549	1,498	1,498	1,498	1,498	1,498
						100,554			23,578	1,529		1,529	2,288		3,047					

Annex 4.12

Macroscopic Demand Forecast of Internet

GOBI-ALTAI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020) (Total)	Number of HH (Except Rural)	Number of HH (Rural)	Number of Sub. (2006) (Sum & Other)	Number of Sub. (2006) (Rural)	Number of Sub. (2006) (Total)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2013) (Rural)	Number of Sub. (2013) (Total)	Number of Sub. (2020) (Sum & Other)	Number of Sub. (2020) (Rural)	Number of Sub. (2020) (Total)	GRDP Adjust: 0.8764
1	17,532	14,657	2,875	0.21489	0.04215	14,044	2,755	3,100.3	655.9	568	11	757	20	897	29	50				
2	2,544	888	1,656	0.01302	0.02428	851	1,587	202.6	377.8		22	38	34		20					
3	3,667	1,996	1,671	0.02926	0.02450	1,913	1,601	455.4	381.2		31	54	57		20					
4	200	200	0	0.00293	0.00000	192	0	45.6	0.0		4	4	4		5					
5	2,802	562	2,240	0.00824	0.03284	539	2,146	128.2	511.0		21	38	34		20					
6	2,861	629	2,232	0.00922	0.03272	603	2,139	143.5	509.2		22	38	35		20					
7	2,123	491	1,632	0.00720	0.02393	470	1,564	112.0	372.3		18	32	26		20					
8	3,993	1,763	2,230	0.02585	0.03270	1,689	2,137	402.2	506.8		31	54	58		20					
9	2,984	610	2,374	0.00894	0.03481	585	2,275	139.2	541.6		22	39	36		20					
10	1,833	157	1,676	0.00230	0.02457	150	1,606	35.8	382.4		12	21	20		10					
11	3,019	982	2,037	0.01440	0.02987	941	1,952	224.0	464.7		24	42	40		20					
12	2,169	485	1,684	0.00711	0.02469	465	1,614	110.6	384.2		19	33	27		20					
13	3,376	448	2,928	0.00657	0.04293	429	2,806	102.2	688.0		23	41	38		20					
14	2,851	520	2,331	0.00762	0.03418	498	2,234	118.6	531.8		21	38	34		20					
15	4,579	1,722	2,857	0.02525	0.04189	1,650	2,736	392.9	651.8		33	58	63		20					
16	2,781	606	2,175	0.00888	0.03189	581	2,084	138.3	496.2		22	38	34		20					
17	2,855	842	2,013	0.01234	0.02951	807	1,929	192.1	459.3		23	40	37		20					
18	2,501	502	1,999	0.00736	0.02931	481	1,915	114.5	456.1		20	35	30		20					
19	2,536	596	1,940	0.00874	0.02844	571	1,859	136.0	442.6		21	36	31		20					
20	1,000	1,000	0	0.01466	0.00000	958	0	228.1	0.0		10	17	20		5					
						28,416	36,939	6,522	8,795	568	410	757	718	947	1,025	1,972				
							65,355	15,317		978		1,475								

Annex 4.12

Macroscopic Demand Forecast of Internet

DORNOGOVI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	GRDP Adjust:			
														Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other) (Organization)		
1	17,053	15,585	1,468	0.29608	0.02789	19,676	1,853	4,343.6	441.3	730	7	973	13	1,167	18	50	
2	3,300	2,154	1,146	0.04092	0.02177	2,719	1,447	647.5	344.5		35	61			67	20	
3	1,613	479	1,134	0.00910	0.02154	605	1,432	144.0	340.9	18	18	32			26	20	
4	2,213	816	1,397	0.01550	0.02654	1,030	1,764	245.3	419.9	23	23	40			37	20	
5	1,937	488	1,449	0.00927	0.02753	616	1,829	146.7	435.6	20	20	35			30	20	
6	2,627	1,720	907	0.03288	0.01723	2,172	1,145	517.0	272.6	29	29	51			53	20	
7	1,893	477	1,416	0.00906	0.02690	602	1,788	143.4	425.6	20	20	34			29	20	
8	1,978	1,024	952	0.01945	0.01809	1,293	1,202	307.8	286.2	23	23	40			37	20	
9	1,287	289	1,018	0.00511	0.01934	340	1,285	80.9	306.0	12	12	20			19	10	
10	1,743	507	1,236	0.00963	0.02348	640	1,560	152.4	371.5	19	19	33			28	20	
11	3,168	598	2,570	0.01136	0.04882	755	3,245	179.8	772.5	26	26	46			46	20	
12	1,685	420	1,265	0.00798	0.02403	530	1,597	126.3	380.3	18	18	32			26	20	
13	2,615	1,498	1,117	0.02646	0.02122	1,891	1,410	450.3	335.8	28	28	49			50	20	
14	2,000	2,000	0	0.03800	0.00000	2,525	0	601.2	0.0	28	28	48			49	20	
15	6,127	6,031	96	0.11458	0.00182	7,614	121	1,812.9	28.9	67	67	118			149	20	
16	200	200	0	0.00380	0.00000	253	0	60.1	0.0	4	4	7			5	5	
17	1,000	1,000	0	0.01900	0.00000	1,283	0	300.6	0.0	14	14	24			24	10	
18	200	200	0	0.00380	0.00000	253	0	60.1	0.0	4	4	7			5	5	
						44,776	21,679	10,320	5,162	730	395	973	691	1,217	987	1,217	2,203
							66,455		15,481		1,125	1,664					

Annex 4.12

Macroscopic Demand Forecast of Internet

DORNOD

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub. (2020) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Sum & Other)	GRDP Adjust:				
													Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)			
1 Aimag center	38,441	36,423	2,018	0.46991	0.02604	40,106	2,222	8,853.4	529.1	814	5	1,086	8	1,307	12	50	
2 Khalkhgoi	3,678	1,844	1,834	0.02379	0.02366	2,030	2,019	483.4	480.8		21		37		32	20	
3 Matad	2,335	1,038	1,297	0.01339	0.01673	1,143	1,428	272.1	340.0		16		28		20	20	
4 Khulunbair	1,748	857	891	0.01106	0.01150	944	981	224.7	233.6		10		18		15	10	
5 Bayantumen	2,047	936	1,111	0.01208	0.01433	1,031	1,223	245.4	291.3		15		26		17	20	
6 Tsagaan-Ovoc	3,503	1,130	2,373	0.01458	0.03062	1,244	2,613	296.3	622.1		19		33		27	20	
7 Bayan-uul	5,139	3,472	1,667	0.04479	0.02151	3,823	1,836	910.3	437.0		28		49		51	20	
8 Bayandun	2,750	1,104	1,646	0.01424	0.02124	1,216	1,812	289.4	431.5		17		30		23	20	
9 Dashbalbar	3,608	1,402	2,206	0.01809	0.02846	1,544	2,429	367.6	578.3		20		35		29	20	
10 Gurbanzagal	1,420	723	697	0.00933	0.00899	796	767	189.5	182.7		9		16		13	10	
11 Kherlen /Choibalsan/	3,007	1,486	1,521	0.01917	0.01962	1,636	1,675	389.6	398.8		19		32		26	20	
12 Ereentsav	5,000	5,000	0	0.06451	0.00000	5,506	0	1,310.8	0.0		31		55		59	20	
13 Bulgan	2,063	1,027	1,036	0.01325	0.01337	1,131	1,141	269.2	271.6		15		27		18	20	
14 Sergelen	2,571	734	1,837	0.00947	0.02370	808	2,023	192.4	481.6		16		28		19	20	
15 Sumner	200	200	0	0.00258	0.00000	220	0	52.4	0.0		3		5		2	5	
						63,177	22,170	14,347	5,279	814	244	1,086	426	1,357	609	Incl/Aimg/Sum	1,966
							85,347		19,625		1,058		1,512				

Annex 4.12

Macroscopic Demand Forecast of Internet

DUNDGOBI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020) (Sum & Other)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub. (2006) (Aimag)	Number of Sub. (2006) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	GRDP Adjust.			
															Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)		
1	13,551	10,063	3,488	0.19499	0.08759	11,477	3,978	301	2,533.6	947.2	10	18	402	18	452	26	50	
2	3,289	529	2,760	0.01025	0.05348	603	3,148	19	143.7	749.5	19	34				28	20	
3	2,623	647	1,976	0.01254	0.03829	738	2,254	18	175.7	536.6	18	31				24	20	
4	2,530	694	1,836	0.01345	0.03558	792	2,094	17	188.5	498.6	17	24				24	20	
5	1,906	660	1,246	0.01279	0.02414	753	1,421	16	179.2	338.4	16	27				19	20	
6	2,480	554	1,926	0.01073	0.03732	632	2,197	17	150.4	523.0	17	30				22	20	
7	1,723	533	1,190	0.01033	0.02306	608	1,357	11	144.7	323.1	11	19				17	10	
8	1,385	337	1,048	0.00653	0.02031	384	1,195	9	91.5	284.6	9	16				13	10	
9	1,508	397	1,111	0.00769	0.02153	453	1,267	10	107.8	301.7	10	17				14	10	
10	2,967	452	2,515	0.00876	0.04873	516	2,868	18	122.7	683.0	18	32				25	20	
11	2,631	460	2,171	0.00891	0.04207	525	2,476	17	124.9	589.5	17	30				23	20	
12	2,232	507	1,725	0.00982	0.03343	578	1,967	16	137.7	468.4	16	28				20	20	
13	2,715	534	2,181	0.01035	0.04226	609	2,487	18	145.0	592.3	18	31				24	20	
14	2,706	368	2,338	0.00713	0.04530	420	2,667	17	99.9	634.9	17	30				23	20	
15	7,362	1,500	5,862	0.02907	0.11359	1,711	6,686	34	407.3	1,591.8	34	60				65	20	
						20,797	38,063	301	4,753	9,063	301	430	402	430	502	615	incl Aimag/Sum	1,117
							58,860		13,815		547	832						

Annex 4.12

Macroscopic Demand Forecast of Internet

ZAVKHAN

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2020) (Sum & Other)	GRDP Adjust:			
													Number of Sub. (2008) (Sum & Other)	Number of Sub. (2020) (Sum & Other)		
1 Aimag center	16,542	0	0.18865	0.00000	16,667	0	3,679.3	0.0	0	476	635	0	743	0	50	
2 Aldarkhaan	4,324	1,362	2,962	0.01553	0.03378	1,372	2,984	326.7	710.6	25	43	42		42	20	
3 Asgat	989	494	495	0.00563	0.00565	498	499	118.5	118.8	6	11	11		11	5	
4 Bayantes	2,681	849	1,832	0.00968	0.02098	855	1,846	203.7	439.5	18	32	26		26	20	
5 Bayankhairkha	2,490	550	1,940	0.00627	0.02212	554	1,955	131.9	465.4	17	30	22		22	20	
6 Bulnai	2,603	598	2,005	0.00682	0.02287	603	2,020	143.5	481.0	17	30	24		24	20	
7 Durvuzin	1,405	420	985	0.00479	0.01123	423	992	100.8	236.3	9	16	13		13	10	
8 Zavkhanmand	3,471	809	2,662	0.00923	0.03036	815	2,682	194.1	638.6	21	36	31		31	20	
9 Idar	6,863	1,398	5,465	0.01594	0.06232	1,409	5,506	335.4	1,311.1	32	56	61		61	20	
10 Ikh-Uul	2,511	547	1,964	0.00624	0.02240	551	1,978	131.2	471.2	17	30	22		22	20	
11 Numrug	3,586	630	2,956	0.00718	0.03371	635	2,978	151.1	709.1	20	36	31		31	20	
12 Olgon	2,267	612	1,655	0.00698	0.01887	617	1,688	146.8	397.0	16	29	21		21	20	
13 Santmargaz	2,204	618	1,586	0.00705	0.01809	623	1,598	148.3	380.5	16	29	21		21	20	
14 Songino	10,085	5,383	4,702	0.06139	0.05362	5,424	4,738	1,291.4	1,128.0	53	94	114		114	20	
15 Tudevtei	2,300	839	1,461	0.00957	0.01666	845	1,472	201.3	350.5	17	30	23		23	20	
16 Tes	3,082	1,584	1,498	0.01806	0.01706	1,596	1,508	380.0	359.4	22	38	34		34	20	
17 Telmen	3,425	642	2,783	0.00732	0.03174	647	2,804	154.0	667.6	20	35	30		30	20	
18 Urgamal	2,089	534	1,555	0.00609	0.01773	538	1,567	128.1	373.0	16	27	19		19	20	
19 Tsagaankhark	1,933	622	1,311	0.00709	0.01495	627	1,321	148.2	314.5	12	20	19		19	10	
20 Tsagaanxuluu	1,912	320	1,592	0.00365	0.01816	322	1,604	76.8	381.9	11	18	16		16	10	
21 Tssetsnuul	2,581	1,220	1,361	0.01391	0.01552	1,229	1,371	292.7	326.5	19	34	28		28	20	
22 Shiluustei	2,783	1,124	1,659	0.01282	0.01892	1,133	1,672	269.6	398.0	19	34	29		29	20	
23 Erenekhairkh	2,361	565	1,796	0.00644	0.02048	569	1,810	135.5	430.9	17	29	21		21	20	
24 Yaruu	3,199	566	2,633	0.00645	0.03003	570	2,653	135.8	631.7	19	33	28		28	20	
						39,122	49,229	9,026	11,721	440	635	771	793	1,101	Incl Aimag/Sum	1,894
						88,351			20,747	916	1,405					

Annex 4.12

Macroscopic Demand Forecast of Internet

UVURKHANGAI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (Except Rural)	Number of HH (Rural)	Number of Sub. (2008) (Except Rural)	Number of Sub. (2008) (Rural)	Number of Sub. (2013) (Except Rural)	Number of Sub. (2013) (Rural)	Number of Sub. (2020) (Except Rural)	Number of Sub. (2020) (Rural)	GRDP Adjust:	
																Sub. (2020) (Sum & Other)	Number of Sub. For (Organization)
1	20,763	18,963	1,820	0.16620	0.01595	22,964	2,204	5,069.2	524.8	562	6	749	10	886	14	50	
2	4,867	515	4,352	0.00451	0.03814	624	5,270	148.5	1,254.8	24	43	41	20	41	20		
3	3,901	528	3,373	0.00463	0.02956	639	4,085	152.2	972.5	22	22	34	20	34	20		
4	5,713	1,880	3,833	0.01648	0.03359	2,277	4,642	542.1	1,105.2	29	29	51	15	58	15		
5	2,934	489	2,445	0.00429	0.02143	592	2,961	141.0	705.0	18	18	32	26	26	20		
6	4,775	684	4,091	0.00598	0.03586	828	4,954	197.2	1,179.5	25	25	44	42	42	21		
7	2,418	639	1,779	0.00580	0.01559	774	2,154	184.2	512.9	17	17	30	20	23	20		
8	3,737	946	2,791	0.00829	0.02446	1,146	3,380	272.8	804.7	23	23	40	22	36	22		
9	3,457	690	2,767	0.00605	0.02425	836	3,351	198.9	797.8	21	21	36	20	32	20		
10	5,431	842	4,589	0.00738	0.04022	1,020	5,557	242.8	1,323.1	26	26	46	18	48	18		
11	5,947	1,178	4,771	0.01031	0.04182	1,424	5,778	339.1	1,375.6	30	30	52	20	54	20		
12	4,335	1,213	3,122	0.01063	0.02736	1,469	3,781	349.7	900.2	24	24	42	18	42	18		
13	4,328	859	3,469	0.00753	0.03040	1,040	4,201	247.7	1,000.2	24	24	42	20	40	20		
14	4,784	678	4,108	0.00592	0.03600	819	4,975	194.9	1,184.4	25	25	43	20	42	20		
15	2,953	509	2,444	0.00446	0.02142	616	2,960	146.8	704.7	19	19	33	20	26	20		
16	7,549	1,354	6,195	0.01187	0.05430	1,640	7,502	390.4	1,786.2	48	48	84	52	68	52		
17	4,105	615	3,490	0.00539	0.03059	745	4,226	177.3	1,006.3	22	22	39	20	36	20		
18	7,814	3,949	3,865	0.03461	0.03387	4,782	4,680	1,138.6	1,114.4	46	46	81	26	90	26		
19	13,814	8,899	5,125	0.07615	0.04492	10,522	6,209	2,505.3	1,477.7	96	96	167	67	172	67		
20	452	200	252	0.00175	0.00221	242	305	57.7	72.7	4	4	7	5	5	5		
						54,997	83,171	12,696	19,803	562	549	749	961	936	1,372	incl AlmagSum	2,309
						138,168		32,499		1,111		1,710					

Annex 4.12

Macroscopic Demand Forecast of Internet

UMNUGOBI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub (2008) (Aimag)	Number of Sub (2008) (Sum & Other)	Number of Sub (2013) (Aimag)	Number of Sub (2013) (Sum & Other)	GRDP Adjust:			
														Number of Sub (2020) (Aimag)	Number of Sub (2020) (Sum & Other)		
1	12,686	11,739	947	0.25362	0.02046	15,347	1,238	3,388.0	294.8	559	5	746	8	882	12	50	
2	2,505	560	1,945	0.01210	0.04202	732	2,543	174.3	605.4	23	23		40		38	20	
3	1,563	366	1,197	0.00791	0.02586	479	1,565	113.9	372.6	17	17		31		24	20	
4	2,480	789	1,671	0.01705	0.03610	1,032	2,185	245.6	820.2	24	24		42		40	20	
5	3,250	960	2,290	0.02074	0.04948	1,255	2,994	298.8	712.8	29	29		50		52	20	
6	2,335	645	1,690	0.01394	0.03651	843	2,209	200.8	526.1	23	23		40		37	20	
7	2,441	529	1,912	0.01143	0.04131	682	2,500	164.7	595.2	23	23		40		36	20	
8	2,932	1,530	1,402	0.03306	0.03028	2,000	1,833	476.3	436.4	30	30		52		55	20	
9	1,616	613	1,003	0.01324	0.02167	801	1,311	190.8	312.2	19	19		33		27	20	
10	2,442	485	1,957	0.01048	0.04228	634	2,559	151.0	609.2	22	22		39		36	20	
11	2,306	467	1,839	0.01009	0.03973	611	2,404	145.4	572.5	22	22		38		34	20	
12	2,752	432	2,320	0.00933	0.05012	565	3,033	134.5	722.2	24	24		41		39	20	
13	2,052	409	1,643	0.00884	0.03550	535	2,148	127.3	511.4	20	20		35		30	20	
14	1,891	346	1,545	0.00748	0.03338	452	2,020	107.7	480.9	19	19		33		27	20	
15	2,189	495	1,694	0.01089	0.03660	647	2,215	154.1	527.3	21	21		37		33	20	
16	866	500	366	0.01080	0.00791	654	479	155.6	113.9	11	11		19		17	10	
						27,279	33,235	6,229	7,913	559	330	746	578	932	826	Incl Aimag/Sum	1,758
							60,514		14,142		890		1,324				

Annex 4.12

Macroscopic Demand Forecast of Internet

SUKHBAATAR

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub (2008) (Aimag)	Number of Sub (2008) (Sum & Other)	Number of Sub (2013) (Aimag)	Number of Sub (2013) (Sum & Other)	GRDP Adjust:			
														Number of Sub (2020) (Aimag)	Number of Sub (2020) (Sum & Other)		
1	14,683	11,873	2,810	0.21312	0.05044	13,643	3,229	3,011.6	768.8	534	13	712	23	840	32	50	
2	2,828	491	2,337	0.00881	0.04195	564	2,685	134.3	639.4		23		41		38	20	
3	1,691	478	1,213	0.00858	0.02177	549	1,394	130.8	331.9		14		25		25	10	
4	3,849	1,472	2,377	0.02842	0.04267	1,691	2,731	402.7	650.3		33		57		62	20	
5	4,788	755	4,033	0.01355	0.07239	868	4,634	206.6	1,103.3		34		59		64	20	
6	1,882	560	1,322	0.01005	0.02373	643	1,519	153.2	361.7		19		34		28	20	
7	3,941	1,489	2,452	0.02673	0.04401	1,711	2,817	407.4	670.8		33		58		63	20	
8	4,699	1,033	3,666	0.01854	0.06580	1,187	4,212	282.6	1,002.9		35		60		66	20	
9	3,305	728	2,577	0.01307	0.04826	836	2,961	199.2	705.0		27		47		47	20	
10	5,858	1,812	4,046	0.03252	0.07262	2,082	4,649	495.7	1,106.9		43		76		89	20	
11	2,774	1,552	1,222	0.02786	0.02193	1,783	1,404	424.6	334.3		28		49		50	20	
12	3,342	600	2,742	0.01077	0.04922	689	3,151	164.1	750.2		26		46		46	20	
13	1,871	551	1,320	0.00989	0.02369	633	1,517	150.7	361.1		19		34		28	20	
14	Taibuleg (uirk)	200	0	0.00359	0.00000	230	0	54.7	0.0		4		7		5	5	
						27,110	36,904	6,218	8,787	534	351	712	614	890	877	Incl AimagSum	1,767
							64,014		15,005		885		1,326				

Annex 4.12

Macroscopic Demand Forecast of Internet

SELENGE

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020) (Total)	HH (Except Rural)	HH (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)	Number of Sub. For (Organization)	GRDP Adjust:		
																		1,105	0,5853	
1 Aimag center	20,513	20,282	231	0.19861	0.00226	25,916	5,720.9	70.3	723	1	964	1	964	1	1,105	2	100			
2 Altanbulag	3,512	2,870	642	0.02810	0.00629	3,667	873.1	195.3		33		57				57	25			
3 Eruu	5,766	2,365	3,401	0.02316	0.03330	3,022	719.5	1,034.7		39		68				72	25			
4 Zuurburen	2,524	1,950	574	0.01909	0.00562	2,492	593.3	174.6		31		54				40	37			
5 Khushaat	1,233	898	335	0.00879	0.00328	1,147	428	273.2		12		20				19	10			
6 Orkhon	2,591	1,497	1,094	0.01466	0.01071	1,913	1,396	332.8		23		39				36	20			
7 Sant	2,050	1,590	460	0.01557	0.00450	2,032	588	483.7		22		39				32	23			
8 Khuder	1,529	1,221	308	0.01196	0.00302	1,560	371.5	93.7		14		24				24	10			
9 Tsagaanuur	4,163	3,107	1,056	0.03042	0.01034	3,970	1,349	945.3		41		71				65	37			
10 Bugant	2,000	2,000	0	0.01958	0.00000	2,566	0	608.5		22		39				36	20			
11 Orkhontuul	3,918	2,743	1,175	0.02686	0.01151	3,505	1,501	834.5		40		70				59	41			
12 Baruunburen	2,935	2,174	761	0.02129	0.00745	2,778	972	661.4		26		46				45	20			
13 Dulankhaan	1,000	1,000	0	0.00879	0.00000	1,278	0	304.2		11		19				18	10			
14 Javkhiant	1,652	930	722	0.00911	0.00707	1,188	923	282.9		17		30				23	20			
15 Shaamar	4,457	3,789	668	0.03710	0.00654	4,842	854	1,152.7		35		62				73	15			
16 Tushig	1,787	1,339	448	0.01311	0.00439	1,711	572	407.4		19		33				28	20			
17 Saikhan	8,690	6,436	2,254	0.06302	0.02207	8,224	2,880	1,958.0		62		108				135	20			
18 Khutul	2,954	2,954	0	0.02893	0.00000	3,775	0	898.7		41		73				53	51			
19 Zuunkharaa	22,403	22,043	360	0.21585	0.00353	28,166	460	6,706.2		236		414				396	195			
20 Bayangol (Baruunharaa)	5,444	3,755	1,689	0.03677	0.01654	4,798	2,158	1,142.4		52		91				82	48			
21 Tunkhel	1,000	200	800	0.00196	0.00783	256	1,022	60.8		15		26				11	26			
						108,794	21,694	25,454		792		964				1,385	1,979			
						130,488		30,619		1,515		2,349				1,205	1,979			
																				3,184

Annex 4.12

Macroscopic Demand Forecast of Internet

TUV

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (Except Rural)	Number of HH (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub (2006) (Aimag)	Number of Sub (2006) (Sum & Other)	Number of Sub (2013) (Aimag)	Number of Sub (2013) (Sum & Other)	Number of Sub (2020) (Aimag)	Number of Sub (2020) (Sum & Other)	GRDP Adjust:	
																		Number of Sub. For (Organization)	Number of Sub. For (Organization)
1 Aimag center	14,771	14,771	0	0.14957	0.00000	17,257	0	3,809.5	0.0	508	0	678	0	797	0	0	50		0.6343
2 Altanbulag	3,452	906	2,546	0.00917	0.02578	1,058	2,975	252.0	708.2	23	41	23	38	41	38	20	20		
3 Argalant	1,929	1,167	762	0.01182	0.00772	1,363	890	324.6	212.0	19	33	19	27	33	27	20	20		
4 Batsumber	6,534	2,319	4,215	0.02348	0.04268	2,709	4,924	645.1	1,172.5	39	69	39	78	69	78	20	20		
5 Bayan	2,309	1,292	1,017	0.01308	0.01030	1,509	1,188	359.4	282.9	21	32	21	32	32	20	20	20		
6 Bayan-Unzuul	2,771	355	2,416	0.00359	0.02446	415	2,823	98.8	672.1	19	33	19	28	33	28	20	20		
7 Bayanjargalan	1,786	484	1,302	0.00490	0.01318	565	1,521	134.6	362.2	16	28	16	20	28	20	20	20		
8 Bayankhangai	1,634	945	689	0.00957	0.00698	1,104	805	262.9	191.7	17	30	17	23	30	23	20	20		
9 Bayantsagaan	2,787	670	2,117	0.00678	0.02144	783	2,473	186.4	588.9	20	35	20	30	35	30	20	20		
10 Bayantsogi	2,323	1,274	1,049	0.01290	0.01062	1,488	1,226	354.4	291.8	21	36	21	32	36	32	20	20		
11 Bonnuur	4,288	2,272	2,016	0.02301	0.02041	2,654	2,355	632.0	560.8	31	55	31	58	55	58	20	20		
12 Buren	3,685	711	2,974	0.00720	0.03011	831	3,475	197.8	827.3	24	41	24	39	41	39	20	20		
13 Delgerkhaan	2,438	688	1,770	0.00676	0.01792	780	2,068	185.8	492.4	19	33	19	27	33	27	20	20		
14 Jargalant	5,921	3,930	1,991	0.03979	0.02016	4,591	2,326	1,093.2	553.8	43	75	43	87	75	87	20	20		
15 Zaamar	6,053	2,214	3,839	0.02242	0.03887	2,587	4,485	615.9	1,067.9	37	65	37	73	65	73	20	20		
16 Lun	3,765	1,623	2,142	0.01643	0.02169	1,896	2,503	451.5	595.8	27	47	27	48	47	48	20	20		
17 Undurshireet	2,553	774	1,779	0.00784	0.01801	904	2,078	215.3	494.9	20	35	20	29	35	29	20	20		
18 Sergelen	2,233	512	1,721	0.00518	0.01743	598	2,011	142.4	478.7	18	31	18	24	31	24	20	20		
19 Sumber	1,980	1,623	357	0.01643	0.00361	1,896	417	451.5	99.3	21	36	21	32	36	32	20	20		
20 Ugtaal	3,389	1,824	1,565	0.01847	0.01585	2,131	1,828	507.4	435.3	26	46	26	46	46	46	20	20		
21 Tseel	3,530	2,242	1,288	0.02270	0.01304	2,619	1,505	623.7	358.3	28	50	28	51	50	51	20	20		
22 Erdene	3,345	908	2,437	0.00919	0.02468	1,081	2,947	252.6	677.9	23	40	23	38	40	38	20	20		
23 Erdenesani	5,605	2,221	3,384	0.02249	0.03427	2,595	3,954	617.8	941.3	36	69	36	69	69	69	20	20		
24 Arkhust	2,063	791	1,272	0.00801	0.01268	924	1,486	220.0	353.8	18	32	18	25	32	25	20	20		
25 Bayanchandmani	3,243	2,599	644	0.02632	0.00652	3,036	752	723.0	179.1	29	50	29	52	50	52	20	20		
26 ZanchiWan	395	100	295	0.00101	0.00299	117	345	27.8	82.1	4	7	4	4	7	4	5	5		
27 Bayandelger	1,801	874	927	0.00885	0.00939	1,021	1,083	243.1	257.9	17	31	17	24	31	24	20	20		
28 Mungunmorit	2,174	1,048	1,126	0.01061	0.01140	1,224	1,316	291.5	313.2	19	34	19	28	34	28	20	20		
						59,721	55,658	13,920	13,252	508	678	508	635	678	1,111	847	1,567	incl Aimag/Sum	2,434
							115,379		27,172	1,143	1,789			1,789					

Annex 4.12

Macroscopic Demand Forecast of Internet

UVS

	Population (2000)			Population (2013)			Population (2020)			HH (2020)			HH (2020)			HH (2020)			GRDP Adjust.					
	(Total)	(Except Rural)	(Rural)	(Total)	(Except Rural)	(Rural)	(Total)	(Except Rural)	(Rural)	(Except Rural)	(Rural)	(Total)	(Except Rural)	(Rural)	(Except Rural)	(Rural)	(Total)	(Except Rural)	(Rural)	(Sum & Other)	(Sum & Other)	(Sum & Other)		
1 Aimag center	24,888	23,217	1,671	0.25807	0.01857	1,571	4,818.8	374.1	4	532	4	710	7	837	10	50							0.5266	
2 Baruunturuun	4,477	2,502	1,975	0.02781	0.02195	2,352	1,857	560.1	24		24				43	20								
3 Bokhmurun	2,435	926	1,509	0.01029	0.01677	871	1,419	207.3	16		16				28	20								
4 Davst	1,918	668	1,250	0.00743	0.01389	628	1,175	149.5	10		10				18	15								
5 Zavkhan	2,533	993	1,540	0.01104	0.01712	934	1,448	222.3	16		16				29	21								
6 Zuungobi	3,001	677	2,324	0.00753	0.02583	637	2,185	151.6	17		17				29	22								
7 Zuunkhangai	3,059	759	2,300	0.00844	0.02557	714	2,163	169.9	17		17				30	23								
8 Malchin	3,106	803	2,303	0.00893	0.02580	755	2,165	179.8	17		17				30	23								
9 Naranbulag	4,759	959	3,800	0.01066	0.04224	902	3,573	214.7	21		21				38	34								
10 Ulgi	2,861	615	2,246	0.00684	0.02497	578	2,112	137.7	16		16				28	20								
11 Urmugobi	4,723	1,038	3,685	0.01154	0.04096	976	3,485	232.4	22		22				38	34								
12 Undurkhangai	3,900	1,660	2,240	0.01845	0.02490	1,561	2,106	371.6	21		21				37	33								
13 Sagil	2,473	878	1,595	0.00976	0.01773	826	1,500	196.6	16		16				28	20								
14 Tarialan	5,193	2,279	2,914	0.02533	0.03239	2,143	2,740	510.2	26		26				45	44								
15 Türgen	2,361	867	1,494	0.00964	0.01661	815	1,405	194.1	16		16				27	19								
16 Tes	6,852	940	5,912	0.01045	0.06572	884	5,559	210.4	26		26				46	46								
17 Kharkhira	2,371	200	2,171	0.00222	0.02413	188	2,041	44.8	14		14				25	15								
18 Khovd	2,804	425	2,379	0.00472	0.02644	400	2,237	95.1	16		16				27	19								
19 Khyrgas	3,076	763	2,313	0.00848	0.02571	717	2,175	170.8	17		17				30	20								
20 Tsagaankhairk	3,173	1,533	1,640	0.01704	0.01823	1,441	1,542	343.2	19		19				33	28								
						40,150	44,436	9,181	10,580	532	351	710	615	887	878	1,325	878	1,325						1,766
						84,586		19,761		884														

Annex 4.12

Macroscopic Demand Forecast of Internet

KHOVD

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (Except Rural)	Number of HH (Rural)	Number of Sub. (2020) (Almag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2008) (Sum & Other)	GRDP Adjust		Number of Sub. For (Organizations)	
													Number of Sub. (2020) (Almag)	Number of Sub. (2020) (Sum & Other)		
1	26,418	26,418	0	0.29575	0.00000	33,213	0	7,331.7	0.0	1,082	0	1,303	0	0	50	
2	3,192	1,026	2,166	0.01149	0.02425	1,290	2,723	307.1	648.4	22	38	22	34	34	20	
3	9,374	3,790	5,584	0.04243	0.06251	4,765	7,020	1,134.5	1,671.5	50	88	50	106	106	20	
4	3,362	1,155	2,207	0.01293	0.02471	1,452	2,775	345.7	660.6	23	39	23	36	36	20	
5	3,061	766	2,295	0.00858	0.02569	963	2,885	229.3	687.0	20	36	20	31	31	20	
6	3,077	810	2,267	0.00907	0.02538	1,018	2,850	242.5	678.6	21	36	21	31	31	20	
7	2,257	526	1,731	0.00589	0.01938	661	2,176	157.4	518.1	17	30	17	22	22	20	
8	3,583	899	2,684	0.01006	0.03005	1,130	3,374	269.1	803.4	22	39	22	36	36	20	
9	5,042	1,490	3,552	0.01668	0.03976	1,873	4,466	446.0	1,063.2	29	51	29	53	53	20	
10	2,673	201	2,472	0.00225	0.02767	253	3,108	60.2	739.9	17	30	17	23	23	20	
11	4,244	1,129	3,115	0.01264	0.03487	1,419	3,916	337.9	932.4	25	44	25	43	43	20	
12	4,015	848	3,167	0.00949	0.03545	1,066	3,982	253.8	948.0	24	41	24	39	39	20	
13	4,604	1,732	2,872	0.01939	0.03215	2,177	3,611	518.4	859.7	28	50	28	51	51	20	
14	4,834	976	3,858	0.01093	0.04319	1,227	4,850	292.1	1,154.8	27	47	27	47	47	20	
15	2,759	1,038	1,721	0.01162	0.01927	1,305	2,164	310.7	515.1	20	35	20	31	31	20	
16	3,417	945	2,472	0.01058	0.02767	1,188	3,108	282.9	739.9	22	39	22	35	35	20	
17	3,414	769	2,645	0.00861	0.02961	967	3,325	230.2	791.7	21	38	21	34	34	20	
						55,968	56,332	12,750	13,412	812	1,082	389	1,353	973	Incl Almag/Sum	2,325
						112,300		26,162		1,201	1,763					

Annex 4.12

Macroscopic Demand Forecast of Internet

KHUVSGUL

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (Except Rural)	Number of HH (Rural)	Number of HH (2006) (Sum & Other)	Number of HH (2013) (Sum & Other)	Number of HH (2020) (Sum & Other)	GRDP Adjust:		
													Number of HH (2006) (Sum & Other)	Number of HH (2020) (Sum & Other)	
1	27,092	27,092	0	0.22811	0.00000	32,405	0	7,153.4	0.0	1,172	0	1,904	0	50	
2	2,959	889	2,070	0.00749	0.01743	1,063	2,476	253.2	589.5	26	45	44	44	20	
3	4,478	1,186	3,292	0.00999	0.02772	1,419	3,938	337.8	937.5	34	60	65	65	20	
4	4,202	872	3,330	0.00734	0.02804	1,043	3,983	248.3	948.3	31	55	58	58	20	
5	4,844	816	4,028	0.00687	0.03391	976	4,818	232.4	1,147.1	34	59	65	65	20	
6	854	200	654	0.00168	0.00551	239	782	57.0	186.3	9	15	12	12	10	
7	5,383	722	4,661	0.00608	0.03924	864	5,575	205.6	1,327.4	36	63	70	70	20	
8	5,205	1,182	4,023	0.00995	0.03387	1,414	4,812	336.6	1,145.7	37	65	73	73	20	
9	3,844	1,328	2,516	0.01118	0.02118	1,588	3,009	378.2	716.5	32	56	59	59	20	
10	3,377	911	2,466	0.00767	0.02076	1,090	2,950	259.4	702.3	28	48	49	49	20	
11	4,376	849	3,527	0.00715	0.02970	1,015	4,219	241.8	1,004.4	32	56	60	60	20	
12	5,938	2,738	3,200	0.02305	0.02694	3,275	3,828	779.7	911.3	48	84	100	100	20	
13	4,064	1,169	2,895	0.00984	0.02438	1,398	3,463	332.9	824.5	32	56	60	60	20	
14	4,171	904	3,267	0.00781	0.02751	1,081	3,908	257.4	930.4	31	55	58	58	20	
15	3,707	857	2,850	0.00722	0.02400	1,025	3,409	244.1	811.6	29	51	52	52	20	
16	3,671	874	2,797	0.00736	0.02355	1,045	3,346	248.9	796.5	29	51	52	52	20	
17	2,205	1,032	1,173	0.00869	0.00988	1,234	1,403	293.9	334.1	23	40	37	37	20	
18	2,544	2,544	0	0.02142	0.00000	3,043	0	724.5	0.0	31	55	58	58	20	
19	1,343	616	727	0.00519	0.00612	737	870	175.4	207.0	13	23	22	22	10	
20	5,816	1,147	4,669	0.00966	0.03931	1,372	5,585	326.7	1,329.7	40	70	80	80	20	
21	2,473	792	1,681	0.00667	0.01415	947	2,011	225.6	478.7	23	40	37	37	20	
22	5,911	1,052	4,859	0.00886	0.04091	1,258	5,812	299.6	1,383.8	40	70	80	80	20	
23	2,940	1,190	1,750	0.01002	0.01473	1,423	2,093	338.9	498.4	27	47	47	47	20	
24	4,494	858	3,636	0.00722	0.03061	1,026	4,349	244.3	1,035.5	33	57	61	61	20	
25	2,877	1,005	1,872	0.00846	0.01576	1,202	2,239	286.2	533.1	26	45	45	45	20	
						63,184	78,875	14,482	18,780	1,172	1,563	1,954	1,808	1,808	incl Aimag/Sum
						142,059			33,262	1,895	2,829			3,762	

Annex 4.12

Macroscopic Demand Forecast of Internet

KHENTI

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020) (Total)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of HH (Rural)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2020) (Sum & Other)	GRDP Adjust:	
															Number of Sub. (2020) (Aimag)	Number of Sub. For (Organization)
1	16,313	13,479	2,834	0.18645	0.03920	15,370	3,232	3,392.9	769.4	575	12	766	22	908	31	50
2	2,710	588	2,122	0.00813	0.02935	670	2,420	159.6	576.1		23		39		36	20
3	2,239	568	1,671	0.00786	0.02311	648	1,905	154.2	453.7		20		36		31	20
4	1,943	634	1,309	0.00877	0.01811	723	1,493	172.1	355.4		19		34		28	20
5	1,765	545	1,220	0.00754	0.01688	621	1,391	148.0	331.2		18		32		25	20
6	3,249	1,719	1,530	0.02378	0.02116	1,960	1,745	466.7	415.4		30		52		55	20
7	2,063	632	1,431	0.00874	0.01978	721	1,632	171.6	388.5		20		35		30	20
8	1,944	673	1,271	0.00931	0.01758	767	1,449	182.7	345.1		20		34		29	20
9	2,370	718	1,652	0.00993	0.02285	819	1,884	194.9	448.5		22		38		34	20
10	5,679	2,756	2,923	0.03812	0.04043	3,143	3,333	748.2	783.6		45		79		93	20
11	2,248	1,140	1,108	0.01577	0.01533	1,300	1,263	309.5	300.8		23		40		37	20
12	3,734	1,978	1,756	0.02736	0.02429	2,255	2,002	537.0	476.7		33		58		63	20
13	2,314	975	1,339	0.01349	0.01852	1,112	1,527	264.7	363.5		22		39		36	20
14	2,997	983	2,014	0.01360	0.02786	1,121	2,296	266.9	546.8		26		45		44	20
15	3,861	3,861	0	0.05341	0.00000	4,403	0	1,048.2	0.0		42		73		85	20
16	1,706	629	1,077	0.00870	0.01490	717	1,228	170.8	282.4		14		25		26	10
17	2,000	2,000	0	0.02767	0.00000	2,281	0	543.0	0.0		26		45		44	20
18	2,871	1,077	1,794	0.01490	0.02482	1,228	2,046	292.4	487.1		25		44		43	20
19	2,717	1,597	1,120	0.02208	0.01549	1,821	1,277	433.6	304.1		27		47		47	20
20	682	200	482	0.00277	0.00667	228	550	54.3	130.9		6		10		10	5
21	1,000	1,000	0	0.01383	0.00000	1,140	0	271.5	0.0		13		22		22	10
22	5,886	5,886	0	0.08142	0.00000	6,712	0	1,598.0	0.0		60		105		130	20
						49,759	32,672	11,581	7,779	575	546	766	955	958	1,364	Incl Aimag/Sum
						82,431		19,360			1,120		1,721			2,322

Annex 4.12

Macroscopic Demand Forecast of Internet

DARKHAN-UUL

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020) (Total)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)	GRDP Adjust. Number of Sub. For (Organization)
1	66,863	66,863	0	0.79300	0.00000	98,270	0	21,693.2	0.0	0.0	2,045	0	2,727	0	3,309	0	100
2	8,619	7,790	829	0.09239	0.00983	11,449	1,218	2,726.0	290.1	290.1	91	159	60	133	66	20	20
3	5,579	2,596	2,983	0.03079	0.03538	3,815	4,384	908.4	1,043.9	446.5	25	44	44	42	42	20	20
4	3,256	1,980	1,276	0.02348	0.01513	116,445	7,478	26,021	1,780	2,045	150	263	2,727	376	3,409	376	3,765
							123,923		27,901		2,196		2,990				

Annex 4.12

Macroscopic Demand Forecast of Internet

ORKHON

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Population (2020)	Number of HH (Except Rural)	Number of HH (2020) (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	GRDP Adjust				
															Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)			
1	68,538	65,266	3,272	0.91171	0.04571	111,812	5,605	5,605	24,682.5	1,334.6	13,628	74	18,170	130	22,613	185	100		
2	3,048	2,208	840	0.03084	0.01173	3,783	1,439	1,439	900.6	342.6	127	201	18,170	352	22,713	298	20		
						115,594	7,045	7,045	25,583	1,677	13,628	201	18,170	352	22,713	503	Incl Aimp/Sum	23,216	
						122,639	122,639	122,639	27,260	27,260	13,829	13,829	18,170	18,522	18,522				

Annex 4.12

Macroscopic Demand Forecast of Internet

GOBISUMBER

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub. (2020) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	GRP Adjust:			
														Number of Sub. (2020) (Aimag)	Number of Sub. For (Organization)		
1 Aimag center	8,759	7,048	1,711	0.58325	0.14159	9,762	2,370	2,154.9	564.2	273	6	365	11	406	16	50	
2 Shiveegobi	2,429	2,153	276	0.17817	0.02284	2,982	382	710.0	91.0		25	44	43		20	20	
3 Bayntal	896	399	497	0.03302	0.04113	553	688	131.6	163.9		9	16	12		10	10	
			13,287			13,287	3,440	2,987	819	273	41	365	71	456	101	101	incl Aimag/Sum
							16,737		3,816		314		435				557

Annex 4.12

Macroscopic Demand Forecast of Internet

NALAIKH

	Population (2006) (Total)	Population (2006) (Except Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (Except Rural)	Number of HH (Rural)	Number of Sub. (2006) (Aimag)	Number of Sub. (2006) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	GRDP Adjust:		
													Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)	
1 Nalaikh city	20,000	20,000	0	0.85470	31,160	0	6,878.5	0.0	1,864	0	2,485	0	3,056	0	50
2 Terej	2,000	2,000	0	0.08547	3,116	0	741.9	0.0	48	0	84	0	100	0	20
3 Shokhol	500	500	0	0.02137	779	0	185.5	0.0	12	0	21	0	25	0	5
4 Arzanchivian	500	500	0	0.02137	779	0	185.5	0.0	12	0	21	0	25	0	5
5 Nisekh	400	400	0	0.01709	623	0	148.4	0.0	10	0	17	0	20	0	5
					36,457	0	8,140	0	1,864	0	2,485	0	3,106	205	205
					36,457	0	8,140	0	1,946	0	2,628	0	3,311	0	3,311

Annex 4.12

Macroscopic Demand Forecast of Internet

BAGANUUR

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	HH (2020) (Except Rural)	HH (2020) (Rural)	Number of Sub. (2008) (Aimag)	Number of Sub. (2008) (Sum & Other)	Number of Sub. (2013) (Aimag)	Number of Sub. (2013) (Sum & Other)	Number of Sub. (2020) (Aimag)	Number of Sub. (2020) (Sum & Other)	GRDP Adjust. Number of Sub. For (Organization)
1	20,671	20,671	0	1.00000	0.00000	32,206	0	7,109.5	0.0	0	1,925	0	2,567	0	3,159	0
						32,206	0	7,109	0	0	1,925	0	2,567	0	3,209	0
						32,206			7,109		1,925		2,567		3,209	1,3464

Annex 4.12

Macroscopic Demand Forecast of Internet

ULAANBAATAR

	Population (2000) (Total)	Population (2000) (Except Rural)	Population (2000) (Rural)	Population Weight (Except Rural)	Population Weight (Rural)	Population (2020) (Except Rural)	Population (2020) (Rural)	Number of HH (2020) (Except Rural)	Number of HH (2020) (Rural)	Number of Sub (2008) (Aimag)	Number of Sub (2008) (Sum & Other)	Number of Sub (2013) (Aimag)	Number of Sub (2013) (Sum & Other)	GRDP Adjust			
														Number of Sub (2020) (Sum & Other)	Number of Sub For (Organization)		
1	719,542	719,542	0	1.00000	0.00000	1,136,637	0	247,095.0	0.0	94,903	0	115,239	0	133,075	0	2,500	
						1,136,637	0	247,095	247,095	94,903	0	115,239	115,239	135,575	0	135,575	
						1,136,637					94,903		115,239			135,575	
																	135,575

ANNEX 5

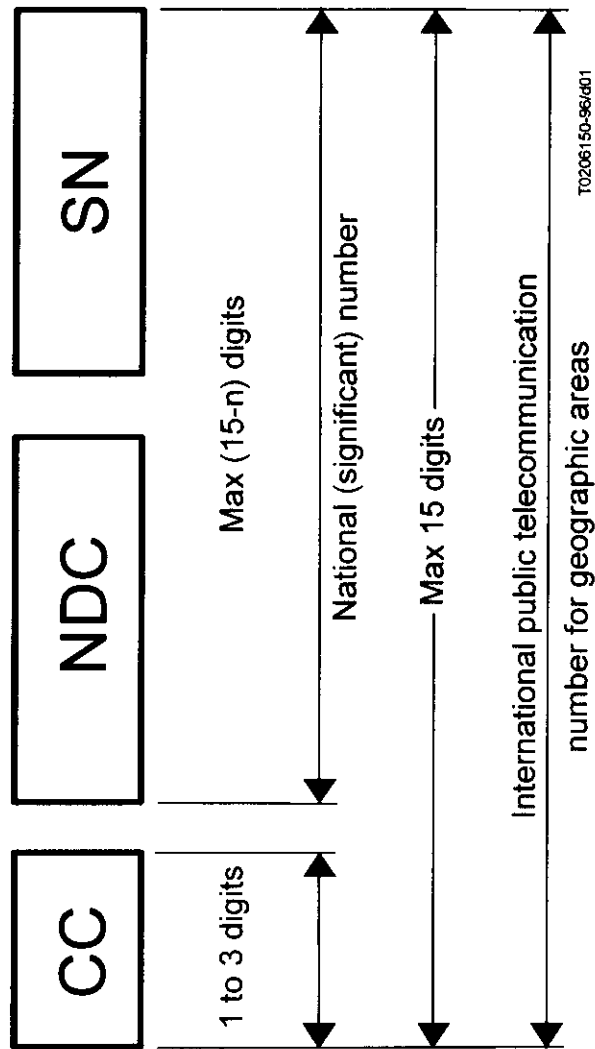
NUMBERING PLAN

Annex 5

Numbering Plan

5.1	Number Structure	2
5.2	Geographic Code Allocation	3
5.3	Allocation of "A" and "B"	4
5.4	Allocation of "B" and "C"	5
5.5	National Significant Number	6
5.6	Access Code	7
5.7	Area Code by Aimag	8
5.8	Area Code by Numerical Order	9
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5.1 Number Structure

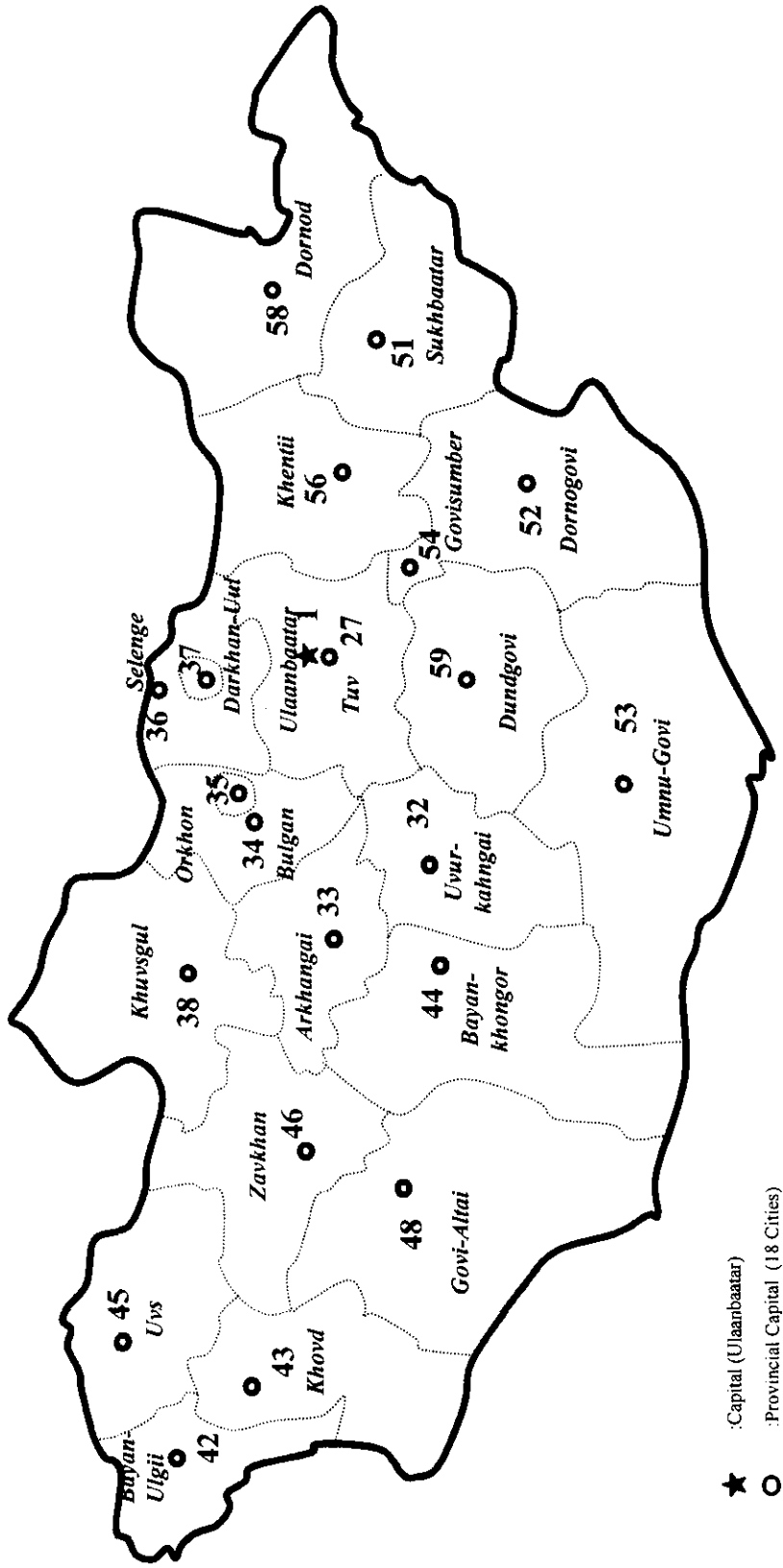


- CC Country Code for geographic areas
- NDC National Destination Code (optional)
- SN Subscriber Number
- n Number of digits in the country code

NOTE – National and international prefixes are not part of the international public telecommunication number for geographic areas.

E.164 – International public telecommunication number structure for geographic areas

5.2 Geographic Code Allocation



★ : Capital (Ulaanbaatar)
 ○ : Provincial Capital (18 Cities)

5.3 Allocation of "A" and "B"

National Significance Number (Ulaanbaatar)

Country Code	AC_1	Ar	C_1	EC_1	EC_2	SN_1	SN_2	SN_3	SN_4
976	A	B	C	D	E	F	G	H	

Allocation of "A" and "B"

B		1	2	3	4	5	6	7	8	9	0
A	1	MT	MT	MT	MT	MT					
	2	MRC	MRC	MRC	MRC	MRC					
	3										
	4										
	5										
	6										
	7										
	8										
	9	Skyte	Government		MRC	Mobicom	Skytel		Civil Aviation	Mobicom	MT
	0										

Numbering_Plan_01/JTEC

5.4 Allocation of "B" and "C"

Allocation of "B" and "C" of "A=1"

		Mongolia Telecom (MT)									
C		1	2	3	4	5	6	7	8	9	0
B	1		UB	UB	UB	UB	UB				
	2							Tuv			
	3		Uvurkhangai	Arkhangai	Bulgan	Orkhon	Selenge	Darhan-Uul	Khuvsugul		
	4		Bayan Ulgii	Khovd	Bayankhongor	Uvs	Zavkhan				
	5	Sukhbaatar	Dornogovi	Umnugovi	Govi Sumber		Khentii		Dornod	Dundgovi	
	6										
	7										
	8										
	9										
	0										

Allocation of "B" and "C" of "A=2"

		Railway Company (MRCC)									
C		1	2	3	4	5	6	7	8	9	0
B	1									UB	
	2							Tuv			
	3		Uvurkhangai	Arkhangai	Bulgan	Orkhon	Selenge	Darhan-Uul	Khuvsugul		
	4		Bayan Ulgii	Khovd	Bayankhongor	Uvs	Zavkhan				
	5	Sukhbaatar	Dornogovi	Umnugovi	Govi Sumber		Khentii		Dornod	Dundgovi	
	6										
	7										
	8										
	9										
	0										

Numbering_Plan_01/JTEC

5.5 National Significant Number (NSN)

Land Line Network (Ulaanbaatar)

AC_1	ArC_1	EC_1	EC_2	SN_1	SN_2	SN_3	SN_4
------	-------	------	------	------	------	------	------

Land Line Network (Aimag Centre)

AC_1	ArC_1	ArC_2	ArC_3	EC_1	SN_1	SN_2	SN_3	SN_4
------	-------	-------	-------	------	------	------	------	------

Land Line Network (Sum Centre, ordinary case)

AC_1	ArC_1	ArC_2	ArC_3	ArC_4	EC_1	SN_1	SN_2	SN_3
------	-------	-------	-------	-------	------	------	------	------

Land Line Network (Sum Centre, the longest case)

AC_1	ArC_1	ArC_2	ArC_3	ArC_4	EC_1	SN_1	SN_2	SN_3	SN_4
------	-------	-------	-------	-------	------	------	------	------	------

AC_1 = 1 -----> Mongolia Telecom

EC_1 = 2, 3 -----> Mongolia Telecom

AC_1 = 2 -----> Mongolian Railway Company

EC_1 = 4 -----> Mongolian Railway Company

Mobile and WLL Network

SIC_1	SIC_2	OSC_1	SN_1	SN_2	SN_3	SN_4	SN_5
-------	-------	-------	------	------	------	------	------

SIC_1	SIC_2	OSC_1	OSC_2	SN_1	SN_2	SN_3	SN_4
-------	-------	-------	-------	------	------	------	------

AC = Access Code

SIC = Service Identification Code, SIC_1 = "9", SIC_2 = "0" to "9"

ArC = Area Code

OSC = Operator Selection Code

EC = Exchange Code

Numbering_Plan_01/JTEC

SN = Subscriber Number

5.6 Access Code (AC)

For International Calls

"0"	OSC	CC	Area Code + Exchange Code + Subscriber Number
-----	-----	----	---

OSC = "1" (MT), "2" (Skytel), "3" (Mobicom), "4" (Micom), "5" (Incomnet), "6" (Railwaycom)

For Trunk Calls (Ulaanbaatar)

"0"	AC_1	ArC_1	EC_1	EC_2	SN_1	SN_2	SN_3	SN_4
-----	------	-------	------	------	------	------	------	------

For Trunk Calls (Aimag Centre)

"0"	AC_1	ArC_1	ArC_2	ArC_3	EC_1	SN_1	SN_2	SN_3	SN_4
-----	------	-------	-------	-------	------	------	------	------	------

For Trunk Calls (Sum Centre, the longest case)

"0"	AC_1	ArC_1	ArC_2	ArC_3	ArC_4	EC_1	SN_1	SN_2	SN_3	SN_4
-----	------	-------	-------	-------	-------	------	------	------	------	------

AC_1 = 1 -----> Mongolia Telecom

AC_1 = 2 -----> Mongolian Railway Company

EC_1 = 2, 3 -----> Mongolia Telecom

EC_1 = 4 -----> Mongolian Railway Company

For Calls to Mobile and WLL Network

Nil	SIC_1	SIC_2	OSC_1	SN_1	SN_2	SN_3	SN_4	SN_5
-----	-------	-------	-------	------	------	------	------	------

Nil	SIC_1	SIC_2	OSC_1	OSC_2	SN_1	SN_2	SN_3	SN_4
-----	-------	-------	-------	-------	------	------	------	------

AC = Access Code

ArC = Area Code

EC = Exchange Code

SN = Subscriber Number

SIC = Service Identification Code, SIC_1 = "9", SIC_2 = "0" to "9"

OSC = Operator Selection Code

Numbering_Plan_01/JTEC

5.7 Area Code by Aimag

Region names	Proposed code	Region names	Proposed code
CAPITAL REGION		KHOVD	43
ULAANBAATAR		Khovd city	43 2
BAGANUUR*		Sumun center	43 AB
BAGAKHANGAI	1	BAYANKHONGOR*	44
NALAIKH*	21	Bayankhongor city	44 2
TUV*	22	Sumun center	44 AB
Zuunmod city	23	UVS	45
Sumun center	27	Ulaangom city	45 2
	27 2	Sumun center	45 AB
	27 AB	ZAVHAN*	46
CENTRAL REGION	3	Uliastai city	46 2
		Sumun center	46 AB
UVURKHANGAI*	32	GOVI ALTAI*	48
Arvaikheer city	32 2	Altai city	48 2
Sumun center	32 AB	Sumun center	48 AB
ARKHANGAI*	33		
Tsetserleg city	33 2	EASTERN REGION	5
Sumun center	33 AB		
BULGAN*	34	SUKHBAATAR	51
Bulgan city	34 2	Baruunu urt city	51 2
Sumun center	34 AB	Sumun center	51 AB
ORKHON	35	DORNOGOVI*	52
Erdenet city	35 2	Sainshand	52 2
Sumun center	35 AB	Sumun center	52 AB
SELENGE*	36	UMNUGOVI	53
Sukhbaatar city	36 2	Dalanzadgad city	53 2
Sumun center	36 AB	Sumun center	53 AB
DARKHAN UUL	37	GOVISUMBER*	54
Darkhan city	37 2	Choir city	54 2
Sumun center	37 AB	Sumun center	54 AB
KHUVSGUL*	38	KHENTII*	56
Murun city	38 2	Undurkhaan city	56 2
Sumun center	38 AB	Sumun center	56 AB
WESTERN REGION		DORNOD*	58
	4	Choibalsan city	58 2
BAYAN ULGII*		Sumun center	58 AB
Ulgii city	42	DUNDGOVI	59
Sumun center	42 2	Mandalgovi city	59 2
	42 AB	Sumun center	59 AB

Note: Codes marked with * were changed under Order No. 159 of 11/May/2000.

5.8 Area Code by Numerical Order (1)

Area code	Region name	Area code	Region name
	CAPITAL REGION		
1	Ulaanabaatar	22	Bagakhangai
21	Baganuur	23	Nalaikh
	Tuv aimag /27/		
272	Zuunmod city	2755	Buren
2741	Altaanbulag	2756	Delgerkhaan
2742	Argalant	2757	Jargalant
2743	Arhust	2758	Zaamar /Khailaast/
2744	Batsumber	2759	Lun
2745	Bayan	2761	Mungunmorit
2746	Bayandelger	2762	Undurshereet
2747	Bayanjargal	2763	Sumber
2748	Bayan Unjuul	2764	Sergelen
2749	Bayankhangai	2765	Ugtaal
2751	Bayantsagaan	2766	Tseel
2752	Bayantsogt	2767	Erdene
2753	Bayanchandmani	2768	Erdenesant
2754	Bornuur		
	Uvurkhangai aimag /32/		
322	Arvaikheer city	3251	Naariin teel
3241	Baruun bayan ulaan	3252	Ulziit
3242	Batulzii	3253	Sant
3243	Bayangol	3254	Taragt
3244	Bayan undur	3255	Tugrug
3245	Bogd	3256	Uyanga
3246	Burd	3257	Hairkhandulaan
3247	Guchin us	3258	Kharkhorin
3248	Zuil	3259	Khujirt
3249	Zuun bayan ulaan		
	Arkhangai aimag /33/		
332	Tsetserleg city (Erdenebulgan)	3351	Khairkhan
3341	Battsengel	3352	Khahgai
3342	Bulgan	3353	Khashaat
3343	Jargalant	3354	Khotont
3344	Ich tamir	3355	Tsakhirt
3345	Ugii nuur	3356	Tsenkher
3346	Ulziit	3357	Tsetserleg
3347	Undur ulaan	3358	Chuluut
3348	Tariat	3359	Erdenemandal
3349	Tuvshruulekh		

5.8 Area Code by Numerical Order (2)

Area code	Region name	Area code	Region name
	Bulgan aimag /34/		
342	Bulgan city	3448	Orkhon
3441	Bayanagt	3449	Rashaant
3442	Bayannuur	3451	Saikhan /Saikhanovoo/
3443	Bugat	3452	Selenge /Khyalganat/
3444	Buregkhangai	3453	Teshig
3445	Gurvanbulag	3454	Khangel
3446	Dashinchilen	3455	Khishig undur
3447	Mogod	3456	Khutag undur
	Orkhon aimag /35/		
352	Erdenet city (Bayan undur)	3541	Jargalant
	Selenge aimag /36/		
362	Sukhbaatar city	3648	Orkhon
3641	Altanbulag	3649	Orkhontuul
3642	Baruunburen	3651	Saikhan /Khutul/
3643	Bayangol	3652	Sant
3644	Yereu /Bugant/	3653	Tushig
3645	Javkhiant	3654	Khuder
3646	Zuunburen	3655	Hushaat
3647	Mandal /Zuunharaa, Tunkhel, Kherkh/	3656	Tsagaannuur
		3657	Shaamar /Dulaankhaan/
	Darkhan uul aimag /37/		
372	Darkhan city	3742	Khongor /Salkhit/
3741	Orkhon	3743	Sharin gol
	Khuvsgul aimag /38/		
382	Murun city	3853	Tumurbulag
3841	Alag erdene /Khatgal/	3854	Tunel
3842	Arbulag	3855	Ulaan uul
3843	Bayanzurkh	3856	Khankh
3844	Burentogtokh	3857	Khatgal
3845	Galt	3858	Tsagaannuur
3846	Jargalant	3859	Tsagaan uul
3847	Ikh uul	3861	Tsagaan uur
3848	Rashaant	3862	Tsetserleg /Mogoin gol/
3849	Renchinlkhumbe	3863	Chaandmani undur
3851	Tarialan	3864	Shine ider
3852	Tosontsengel	3865	Erdenebulgan
	Bayan ulgii aimag /42/		
422	Ulgii khot	4247	Deluun
4241	Altai	4248	Nogoonnuur /Tsagaannuur/
4242	Altantsugts	4249	Sagsai
4243	Bayannuur	4251	Tolbo
4244	Bugat	4252	Ulaankhus
4245	Bulgan	4253	Tsengel
4246	Buyant		

5.8 Area Code by Numerical Order (3)

Area code	Region names	Area code	Region names
432	Khovd aimag /43/ Khovd city (Jargalant)	4349	Munkhkhairkhan
4341	Altai	4351	Must
4342	Bulgan	4352	Myangad
4343	Buyant	4353	Uench
4344	Darvi	4354	Khovd
4345	Durgun	4355	Tsetseg /Khushuut/
4346	Duut	4356	Chandmani
4347	Zereg	4357	Erdeneburen
4348	Mankhan		
442	Bayankhongor aimag /44/ Bayankhongor city	4451	Buutsagaan
4441	Baatsagaan	4452	Galuut
4442	Bayanbulag	4453	Gurvanbulag
4443	Bayangovi	4454	Jargalant
4444	Bayanlig	4455	Jinst
4445	Bayan ovoo	4456	Zag
4446	Bayan undur	4457	Ulziit
4447	Bayantsagaan	4458	Khureemarl
4448	Bogd	4459	Shjnejinst
4449	Bumbugur	4461	Erdenetsogt /Shajgaljuut/
452	Uvs aimag /45/ Ulaangom city	4551	Umnugovi
4541	Baruun turuun	4552	Undurkhangai
4542	Bukhmurun	4553	Sagili
4543	Davst	4554	Tarialan /Khar Tarvagatai/
4544	Zavkhan	4555	Turgen
4545	Zuungovi	4556	Tes
4546	Zuunkhangai	4557	Khovd
4547	Malchin	4558	Khyargas
4548	Naranbulag	4559	Tsagaankhairkhan
4549	Ulgii		

5.8 Area Code by Numerical Order (4)

Area code	Region names	Area code	Region names
	Zavkhan aimag /46/		
462	Uliastal city	4653	Santmargad
4641	Aldarkhaan	4654	Songino
4642	Asgat	4655	Tudevtei
4643	Bayantest	4656	Telmen
4644	Bayankhairkhan	4657	Tes
4645	Bulnai /Tosontsengel/	4658	Urgamal
4646	Durvuljin	4659	Tsegeenkhairkhan
4647	Zavkhanmandal	4661	Tsagaanchuluut
4648	Ider	4662	Tsetsen uul
4649	Ikh uul	4663	Shiluustei
4651	Numrug	4664	Erdenekhajkhan
4652	Otgon	4665	Yaruu
	Govi altai aimag /48/		
482	Altai city (Yesunbulag)	4849	Tonkhil
4841	Altai	4851	Tugrug
4842	Bayan uul	4852	Khaluun
4843	Biger	4853	Khukhmorit
4844	Bugant	4854	Tsogt Bayantooroi/
4845	Darvi	4855	Tseel
4846	Delger /Guulin/	4856	Chandmani /Zeegt/
4847	Jargalan	4857	Sharga
4848	Taishir	4858	Erdene
	Sukhbaatar aimag /51/		
512	Baruun urt city	5147	Sukhbaatar
5141	Asgat	5148	Tuvshin shiree
5142	Bayandelger	5149	Tumentsogt
5143	Dariganga	5151	Uulbayan
5144	Munkhkhaan	5152	Halzan
5145	Naran	5153	Erdenetsagaan
5146	Ongon		
	Dornogovi aimag /52/		
522	Sainshand city	5247	Mandakh
5241	Airag	5248	Urgun
5242	Altanshiree	5249	Saikhandulaan
5243	Dalanjargalan	5251	Ulaanbadrakh
5244	Delgerekh	5252	Khatanbulag
5245	Zamiin uud	5253	Huvsgul
5246	Ikh khet /Zulegtei, Hajuu ulaan/	5254	Erdene

5.8 Area Code by Numerical Order (5)

Area code	Region names	Area code	Region names
532	Umnugovi aimag /53/ Dalanzadgad	5348	Nomgon
5341	Bayandalai	5349	Savrai
5342	Bayan ovoo	5351	Khanbogd
5343	Bulgan	5352	Khankhongor
5344	Gurvan tes	5353	Khurmen
5345	Mandal ovoo	5354	Tsogt ovoo
5346	Manlai	5355	Tsogt tsetsii /Tavantolgoi/
5347	Noyon		
542	Govisumber aimag /54/ Choir city (Sumber)	5442	Shivee govi
5441	Bayantal		
562	Khentii aimag /56/ Undurkhaan city	5649	Dadal
5641	Batnorov /Berkh/	5651	Darkhan /Bor undur/
5642	Batshireet	5652	Delgerkhaan
5643	Bayan adraga	5653	Jargalt khaan
5644	Bayanmunkh	5654	Murun /Chandgana tal/
5645	Bayan ovoo	5655	Norovlin
5646	Bayankhutagt	5656	Umnudelger
5647	Binder	5657	Tsenkhermandal
5648	Galshir		
582	Dornod aimag /58/ Choibalsan city	5847	Matad
5841	Bayandun	5848	Sereglen
5842	Bayantumen	5849	Khalkh gol
5843	Bayan uul /Ereen/	5851	Khulunbuyir
5844	Bulgan	5852	Tsagaan ovoo
5845	Gurvanzagal	5853	Choibalsan
5846	Dashbalbar /Erdes/	5854	Chuluunkhoroot
592	Dundgovi aimag /59/ Mandalgovi city	5948	Luus
5941	Adaatsag	5949	Ulziit
5942	Bayanjargalan	5951	Undurshil
5943	Govi ugtaal	5952	Saikhan ovoo
5944	Gurvansaikhan	5953	Khuld
5945	Delgerkhangai	5954	Tsagaandelger
5946	Delgertsogt	5955	Erdenedalai
5947	Deren		

5.9 Short Code List (1)

Service type	Number	Allocated services	Remarks
Emergency services	100	Infectious Ambulance	
	101	Fire	
	102	Police	
	103	Ambulance	
	133	Police of Songino Khairkhan district	
	134	Police of Khan Uul district	
	135	Police of Bayanzurkh district	
	136	Police of Bayangol district	
	137	Police of Sukhbaatar district	
	138	Police of Chingeltei district	
Mobicom network	139	Traffic Police	
	110	Prepaid Enquiry	
	111	Prepaid SAN	
	112	Voice Mail Service	
	113	WLL Fault Reporting	
	114	WLL Service Inquiry	
	115	Home direct service	
Skytel network	199	Fault complaint	
	1960	Emergency disconnection	
	1961	Enquiry for subscription	
	1962	Enquiry for additional service	
	1965	Billing Inquiry	
Paging service	1966	Complaint	
	191	"Home vision " Co Ltd.,	
Internet	195	"MonCom "Co Ltd.,	
	163X -	Micom Co Ltd., (X = 0-9)	
	162X	MSC Co Ltd., (X = 0-4)	2001.04.18, 2\1174
	1620	MSC Co Ltd., Internet	
	1621	MSC Co Ltd., Internet	
	164X -	Bodicomputer Co Ltd., (X = 0-9)	
	1641	Internet	
	1644	Internet connection	
	165X -	DataCom Co Ltd., (X = 0-9)	
	1651	E-Mail	
	1652	Internet connection	
	1653	Prepaid internet connection	
	1654	Internet	
	1656	Internet	
	166X	Erdemnet Co Ltd., (X = 0-9)	
167X	Skytel Co Ltd., (X = 0-9)		
168X	Tel Cable Co Ltd., X = 0-9)	2001.2.28	

5.9 Short Code List (2)

Service type	Number	Allocated services	Remarks
	169X	MobiCom corporation (X = 0-9)	
	1691	Mobinet internet	
	1693	Mobinet internet	
	1908	New Com Tel Co Ltd., Co Ltd., (X = 0-9)	
	1960	SkyTel internet	
	1962		
	1965		
Information services	1610	"Speed "Information Agency of Mongolian Radio	
	1611	Mongolian National TV	
	1613	Mongolian Post Company	
	1612	Montel Co Ltd., Consulting service	
	1614	Counselor for abuse to children	
	1615	Children's phone /Mongolian National centre for children	
	1616	MBS Co Ltd., Information inquiry service	
	1617	Tugs Uchrakhui Co Ltd., Ulaanbaatar inquiry	
	1618	Government news, inquiry	
	1619	Mongol news Co Ltd.,	
	1625-6	Mongolian post bank/e-bank	
	1206	Democratic Association, information	
	1921	Inspection Authority	
	1929	CTS Co Ltd.,	
	194	Railway inquiry	
	191,5	Paging service	
198	Civil aviation inquiry		

ANNEX 6

TRAFFIC FORECAST

Annex 6

Traffic Forecast

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6.1 Fixed Line Traffic and Circuits

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	5,540	6,870	9,430	609.4	755.7	1037.3	609.4	755.7	1037.3	---	---	---	---	---	---
2	Battsengel	260	260	260	28.6	28.6	28.6	19.7	19.7	19.7	30	30	30	30	30	30
3	Bulgan	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	17	17	17	17	17	17
4	Jargalant	160	160	160	17.6	17.6	17.6	12.1	12.1	12.1	21	21	21	21	21	21
5	Ikhtamir	240	240	240	26.4	26.4	26.4	18.2	18.2	18.2	28	28	28	28	28	28
6	Ugiinuur	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	17	17	17	17	17	17
7	Ulzeit	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	22	22	22	22	22	22
8	Undur-Ulaan	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	24	24	24	24	24	24
9	Tariat	220	220	220	24.2	24.2	24.2	16.6	16.6	16.6	26	26	26	26	26	26
10	Tuvshruuleh	330	330	330	36.3	36.3	36.3	25.0	25.0	25.0	36	36	36	36	36	36
11	Tsakhir	0	100	100	0.0	11.0	11.0	0.0	7.6	7.6	0	15	15	15	15	15
12	Tsenkher	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	22	22	22	22	22	22
13	Tsetserleg	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	22	22	22	22	22	22
14	Chuluut	48	130	130	5.3	14.3	14.3	3.6	9.8	9.8	9	18	18	18	18	18
15	Khairkhan	250	250	250	27.5	27.5	27.5	18.9	18.9	18.9	29	29	29	29	29	29
16	Khangai	20	130	130	2.2	14.3	14.3	1.5	9.8	9.8	6	18	18	18	18	18
17	Khashaata	0	90	90	0.0	9.9	9.9	0.0	6.8	6.8	0	14	14	14	14	14
18	Khotont	270	270	270	29.7	29.7	29.7	20.4	20.4	20.4	31	31	31	31	31	31
19	Erdenemandal	250	250	250	27.5	27.5	27.5	18.9	18.9	18.9	29	29	29	29	29	29
	Total	8,558	10,270	12,830	941.4	1,129.7	1,411.3	837.6	1,012.8	1,294.4	---	---	---	---	---	---

Arkhangai

Bayan-Ulgii

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	4,050	5,030	6,890	445.5	553.3	757.9	445.5	553.3	757.9	445.5	553.3	757.9	---	---	---
2	Altai	48	90	90	5.3	9.9	9.9	3.6	6.8	6.8	3.6	6.8	6.8	9	14	14
3	Altantsuugs	48	48	90	5.3	5.3	9.9	3.6	3.6	6.8	3.6	3.6	6.8	9	9	14
4	Bayannuur	48	180	180	5.3	19.8	19.8	3.6	13.6	13.6	3.6	13.6	13.6	9	22	22
5	Bugat	0	100	100	0.0	11.0	11.0	0.0	7.6	7.6	0.0	7.6	7.6	0	15	15
6	Bulgan	0	120	120	0.0	13.2	13.2	0.0	9.1	9.1	0.0	9.1	9.1	0	17	17
7	Buyant	0	0	80	0.0	0.0	8.8	0.0	0.0	6.1	0.0	0.0	6.1	0	0	13
8	Deluun	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	10.6	19	19	19
9	Nogoonnuur	16	170	170	1.8	18.7	18.7	1.2	12.9	12.9	1.2	12.9	12.9	5	22	22
10	Tolbo	32	110	110	3.5	12.1	12.1	2.4	8.3	8.3	2.4	8.3	8.3	7	16	16
11	Ulaankhus	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20
12	Sagsai	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20
13	Tsengel	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20
14	Khotgor	0	80	80	0.0	8.8	8.8	0.0	6.1	6.1	0.0	6.1	6.1	0	13	13
15	Tsagaannuur	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	13.6	13.6	13.6	22	22	22
	Total	5,012	6,698	8,680	551.3	736.8	954.8	518.3	679.4	893.3	518.3	679.4	893.3	---	---	---

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	4,570	5,660	7,770	502.7	622.6	854.7	502.7	622.6	854.7	502.7	622.6	854.7	---	---	---
2	Shargaljuut	0	50	50	0.0	5.5	5.5	0.0	0.0	0.0	0.0	3.8	3.8	0	9	9
3	Ulziit	240	240	240	26.4	26.4	26.4	26.4	26.4	26.4	18.2	18.2	18.2	28	28	28
4	Jinst	0	120	120	0.0	13.2	13.2	0.0	0.0	0.0	0.0	9.1	9.1	0	17	17
5	Bogd	220	220	220	24.2	24.2	24.2	24.2	24.2	24.2	16.6	16.6	16.6	26	26	26
6	Bayanlig	190	190	190	20.9	20.9	20.9	14.4	14.4	14.4	14.4	14.4	14.4	23	23	23
7	Bayangobi	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	10.6	19	19	19
8	Baantsagaan	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
9	Bayantsagaan	300	300	300	33.0	33.0	33.0	22.7	22.7	22.7	22.7	22.7	22.7	33	33	33
10	Bayan-Undur	48	100	100	5.3	11.0	11.0	3.6	3.6	3.6	7.6	7.6	7.6	9	15	15
11	Shinejinst	0	90	90	0.0	9.9	9.9	0.0	0.0	0.0	6.8	6.8	6.8	0	14	14
12	Bumbugur	0	110	110	0.0	12.1	12.1	0.0	0.0	0.0	8.3	8.3	8.3	0	16	16
13	Buutsagaan	340	340	340	37.4	37.4	37.4	25.7	25.7	25.7	25.7	25.7	25.7	37	37	37
14	Khureemara	48	300	300	5.3	33.0	33.0	3.6	3.6	3.6	22.7	22.7	22.7	9	33	33
15	Bayanbulag	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
16	Gurbanbulag	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
17	Zag	0	140	140	0.0	15.4	15.4	0.0	0.0	0.0	10.6	10.6	10.6	0	19	19
18	Jargalant	340	340	340	37.4	37.4	37.4	25.7	25.7	25.7	25.7	25.7	25.7	37	37	37
19	Galut	0	180	180	0.0	19.8	19.8	0.0	0.0	0.0	13.6	13.6	13.6	0	22	22
20	Bayan-Oboo	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	10.6	19	19	19
21	Erdenetsogt	190	190	190	20.9	20.9	20.9	14.4	14.4	14.4	14.4	14.4	14.4	23	23	23
	Total	7,126	9,210	11,320	783.9	1,013.1	1,245.2	696.0	891.1	1,123.2	696.0	891.1	1,123.2	---	---	---

Bayankhongor

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	1,970	2,440	3,350	216.7	268.4	368.5	216.7	268.4	368.5	216.7	268.4	368.5	---	---	---
2	Bayan-Agt	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	13.6	13.6	13.6	22	22	22
3	Bayannuur	190	190	190	20.9	20.9	20.9	14.4	14.4	14.4	14.4	14.4	14.4	23	23	23
4	Bugat	50	100	100	5.5	11.0	11.0	3.8	7.6	7.6	3.8	7.6	7.6	9	15	15
5	Buregkhangai	190	190	190	20.9	20.9	20.9	14.4	14.4	14.4	14.4	14.4	14.4	23	23	23
6	Gurbanbulag	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22
7	Dashinchilen	270	270	270	29.7	29.7	29.7	20.4	20.4	20.4	20.4	20.4	20.4	31	31	31
8	Mogod	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	9.8	9.8	9.8	18	18	18
9	Orkhon	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20
10	Rashaant	310	310	310	34.1	34.1	34.1	23.4	23.4	23.4	23.4	23.4	23.4	34	34	34
11	Saikhhan	300	300	300	33.0	33.0	33.0	22.7	22.7	22.7	22.7	22.7	22.7	33	33	33
12	Selenge	280	280	280	30.8	30.8	30.8	21.2	21.2	21.2	21.2	21.2	21.2	31	31	31
13	Teshig	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	13.6	13.6	13.6	22	22	22
14	Khangaal	410	410	410	45.1	45.1	45.1	31.0	31.0	31.0	31.0	31.0	31.0	43	43	43
15	Khishi-Undur	300	300	300	33.0	33.0	33.0	22.7	22.7	22.7	22.7	22.7	22.7	33	33	33
16	Khutag	420	420	420	46.2	46.2	46.2	31.8	31.8	31.8	31.8	31.8	31.8	44	44	44
17	Khyalganant	390	390	390	42.9	42.9	42.9	29.5	29.5	29.5	29.5	29.5	29.5	41	41	41
	Total	5,890	6,410	7,320	647.9	705.1	805.2	513.2	568.6	668.7	513.2	568.6	668.7	---	---	---

Bulgan

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,250	2,780	3,820	247.5	305.8	420.2	247.5	305.8	420.2	247.5	305.8	420.2	---	---	---
2	Altai	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
3	Bayan-Uul	250	250	250	27.5	27.5	27.5	18.9	18.9	18.9	18.9	18.9	18.9	29	29	29
4	Bayantooroi	0	40	40	0.0	4.4	4.4	0.0	3.0	3.0	3.0	3.0	3.0	0	8	8
5	Biger	220	220	220	24.2	24.2	24.2	16.6	16.6	16.6	16.6	16.6	16.6	26	26	26
6	Bugat	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
7	Darvi	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	9.8	9.8	9.8	18	18	18
8	Delger	48	230	230	5.3	25.3	25.3	3.6	17.4	17.4	3.6	17.4	17.4	9	27	27
9	Jargalan	50	90	90	5.5	9.9	9.9	3.8	6.8	6.8	3.8	6.8	6.8	9	14	14
10	Taishir	0	0	40	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	3.0	0	8	8
11	Tonkhil	240	240	240	26.4	26.4	26.4	18.2	18.2	18.2	18.2	18.2	18.2	28	28	28
12	Tugrug	110	110	110	12.1	12.1	12.1	8.3	8.3	8.3	8.3	8.3	8.3	16	16	16
13	Khaliun	48	48	80	5.3	5.3	8.8	3.6	3.6	3.6	3.6	3.6	6.1	9	13	13
14	Khukhmort	48	140	140	5.3	15.4	15.4	3.6	10.6	10.6	3.6	10.6	10.6	9	19	19
15	Tsogt	360	360	360	39.6	39.6	39.6	27.2	27.2	27.2	27.2	27.2	27.2	38	38	38
16	Tseel	0	90	90	0.0	9.9	9.9	0.0	6.8	6.8	0.0	6.8	6.8	0	14	14
17	Chandmani	48	130	130	5.3	14.3	14.3	3.6	9.8	9.8	3.6	9.8	9.8	9	18	18
18	Sharga	16	16	60	1.8	1.8	6.6	1.2	1.2	1.2	1.2	1.2	4.5	5	11	11
19	Erdene	16	120	120	1.8	13.2	13.2	1.2	9.1	9.1	1.2	9.1	9.1	5	17	17
20	Guulin	100	240	240	11.0	26.4	26.4	7.6	18.2	18.2	7.6	18.2	18.2	15	28	28
	Total	4,174	5,474	6,630	459.1	602.1	729.3	383.0	481.1	600.9	383.0	481.1	600.9	---	---	---

Govi-Altai

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	1,970	2,440	3,350	216.7	268.4	368.5	216.7	268.4	368.5	216.7	268.4	368.5	---	---	---
2	Airag	240	240	240	26.4	26.4	26.4	18.2	18.2	18.2	18.2	18.2	18.2	28	28	28
3	Altanshiree	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	13.6	13.6	13.6	22	22	22
4	Dalanjargalan	48	80	80	5.3	8.8	8.8	3.6	6.1	6.1	3.6	6.1	6.1	9	13	13
5	Delgerekh	0	50	50	0.0	5.5	5.5	0.0	3.8	3.8	0.0	3.8	3.8	0	9	9
6	Ikhheth	0	180	180	0.0	19.8	19.8	0.0	13.6	13.6	0.0	13.6	13.6	0	22	22
7	Mandakh	0	50	50	0.0	5.5	5.5	0.0	3.8	3.8	0.0	3.8	3.8	0	9	9
8	Urgun	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
9	Saikhandulaan	0	30	30	0.0	3.3	3.3	0.0	2.3	2.3	0.0	2.3	2.3	0	7	7
10	Ulaanbadrakh	0	50	50	0.0	5.5	5.5	0.0	3.8	3.8	0.0	3.8	3.8	0	9	9
11	Khatanbulag	50	80	80	5.5	8.8	8.8	3.8	6.1	6.1	3.8	6.1	6.1	9	13	13
12	Khuvsgul	0	0	40	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	3.0	0	0	8
13	Erdene	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22
14	Zuunbayan	440	440	440	48.4	48.4	48.4	33.3	33.3	33.3	33.3	33.3	33.3	45	45	45
15	Zamiin-Uud	640	1,040	1,040	70.4	114.4	114.4	48.4	78.7	78.7	48.4	78.7	78.7	62	95	95
16	Zulegt	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	3.8	3.8	3.8	9	9	9
17	Khajuuulaan	0	0	90	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	6.8	0	0	14
18	Suulinkheer	0	0	30	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	2.3	0	0	7
	Total	3,908	5,200	6,270	429.9	572.0	689.7	363.3	477.1	587.1	363.3	477.1	587.1	---	---	---

Dornogovi

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum			Dornod
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	
1	Aimag center	2,227	2,490	3,410	245.0	273.9	375.1	245.0	273.9	375.1	---	---	---	---	---	---	
2	Khalhghol	0	80	80	0.0	8.8	8.8	0.0	6.1	6.1	0	13	13	0	13	13	
3	Matad	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	9	9	9	9	9	9	
4	Khulunbuir	32	60	60	3.5	6.6	6.6	2.4	4.5	4.5	7	11	11	7	11	11	
5	Bayantumen	0	0	40	0.0	0.0	4.4	0.0	0.0	3.0	0	0	0	0	0	8	
6	Tsagaan-Ovoo	0	0	50	0.0	0.0	5.5	0.0	0.0	3.8	0	0	0	0	0	9	
7	Bayan-uul	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	19	19	19	19	19	19	
8	Bayandun	0	0	50	0.0	0.0	5.5	0.0	0.0	3.8	0	0	0	0	0	9	
9	Dashbaibar	48	70	70	5.3	7.7	7.7	3.6	5.3	5.3	9	12	12	9	12	12	
10	Gurbanzagal	48	48	50	5.3	5.3	5.5	3.6	3.6	3.8	9	9	9	9	9	9	
11	Choibalsan	48	100	100	5.3	11.0	11.0	3.6	7.6	7.6	9	15	15	9	15	15	
12	Ereentsav	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	24	24	24	24	24	24	
13	Bulgan	32	32	70	3.5	3.5	7.7	2.4	2.4	5.3	7	7	7	7	7	12	
14	Sergelen	16	16	50	1.8	1.8	5.5	1.2	1.2	3.8	5	5	5	5	5	9	
15	Sumber	0	10	10	0.0	1.1	1.1	0.0	0.8	0.8	0	4	4	0	4	4	
	Total	2,841	3,296	4,430	312.5	362.6	487.3	291.4	334.1	451.5	---	---	---	---	---	---	

Dundgovi

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	1,500	1,570	2,150	165.0	172.7	236.5	165.0	172.7	236.5	236.5	---	---	---	---	---
2	Adaatsag	48	100	100	5.3	11.0	11.0	3.6	7.6	7.6	7.6	9	15	15	15	15
3	Delgertsogt	100	100	100	11.0	11.0	11.0	7.6	7.6	7.6	7.6	15	15	15	15	15
4	Deren	160	160	160	17.6	17.6	17.6	12.1	12.1	12.1	12.1	21	21	21	21	21
5	Gobi-Ugtaal	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	20	20	20	20	20
6	Gurbansaikhan	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	6.8	14	14	14	14	14
7	Tsagaandelger	48	48	80	5.3	5.3	8.8	3.6	3.6	6.1	6.1	9	9	9	13	13
8	Bayanjargalan	20	20	40	2.2	2.2	4.4	1.5	1.5	3.0	3.0	6	6	6	8	8
9	Undurshil	48	50	50	5.3	5.5	5.5	3.6	3.8	3.8	3.8	9	9	9	9	9
10	Ulzit	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	3.8	9	9	9	9	9
11	Khuld	48	48	90	5.3	5.3	9.9	3.6	3.6	6.8	6.8	9	9	9	14	14
12	Luus	48	100	100	5.3	11.0	11.0	3.6	7.6	7.6	7.6	9	15	15	15	15
13	Saikhan-Ovoo	48	80	80	5.3	8.8	8.8	3.6	6.1	6.1	6.1	9	13	13	13	13
14	Delgerkhangai	48	100	100	5.3	11.0	11.0	3.6	7.6	7.6	7.6	9	15	15	15	15
15	Erdenedalai	360	360	360	39.6	39.6	39.6	27.2	27.2	27.2	27.2	38	38	38	38	38
	Total	2,766	3,026	3,700	304.3	332.9	407.0	233.5	255.6	326.5	326.5	---	---	---	---	---

No.	Aimag/Sum	Switch capacity			Traffic		Per-line= 0.11		Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2008	2013	2008	2013	2020	2008	2013	2020
1	Aimag center	1,880	2,330	3,200	206.8	256.3	352.0	206.8	256.3	352.0	0.01	0.01	0.01	
2	Aldarkhaan	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	22	22	22	
3	Asgat	0	0	50	0.0	0.0	5.5	0.0	0.0	3.8	0	0	9	
4	Bayantes	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	14	14	14	
5	Bayankhairkhan	0	0	60	0.0	0.0	6.6	0.0	0.0	4.5	0	0	11	
6	Bulnai	680	680	680	74.8	74.8	74.8	51.4	51.4	51.4	65	65	65	
7	Durvulzin	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0	11	11	
8	Zavkhanmandal	80	80	80	8.8	8.8	8.8	6.1	6.1	6.1	13	13	13	
9	Ider	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	18	18	18	
10	Ikh-Uul	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0	11	11	
11	Numrug	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0	11	11	
12	Otgon	16	80	80	1.8	8.8	8.8	1.2	6.1	6.1	5	13	13	
13	Santmargaz	0	0	60	0.0	0.0	6.6	0.0	0.0	4.5	0	0	11	
14	Songino	440	440	440	48.4	48.4	48.4	33.3	33.3	33.3	45	45	45	
15	Tudevtei	220	220	220	24.2	24.2	24.2	16.6	16.6	16.6	26	26	26	
16	Tes	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	24	24	24	
17	Telmen	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0	11	11	
18	Urgamal	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0	11	11	
19	Tsagaanarkharkhan	0	0	70	0.0	0.0	7.7	0.0	0.0	5.3	0	0	12	
20	Tsagaanachuluut	0	0	40	0.0	0.0	4.4	0.0	0.0	3.0	0	0	8	
21	Tsetsenuul	0	130	130	0.0	14.3	14.3	0.0	9.8	9.8	0	18	18	
22	Shiluuste	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	18	18	18	
23	Erdenekhairkhan	0	80	80	0.0	8.8	8.8	0.0	6.1	6.1	0	13	13	
24	Yaruu	0	0	50	0.0	0.0	5.5	0.0	0.0	3.8	0	0	9	
	Total	4,046	5,070	6,270	445.1	557.7	689.7	370.6	463.5	584.2	—	—	—	

Zavkhan

Uvrukhangai

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,300	2,840	3,900	253.0	312.4	429.0	253.0	312.4	429.0	312.4	429.0	---	---	---	
2	Bayan-Undur	48	50	50	5.3	5.5	5.5	3.6	3.8	3.8	3.8	3.8	9	9	9	
3	Burd	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	6.8	6.8	14	14	14	
4	Bat-Ulzii	210	210	210	23.1	23.1	23.1	15.9	15.9	15.9	15.9	15.9	25	25	25	
5	BB-Ulaan	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	3.8	3.8	9	9	9	
6	Bayangol	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	9.8	9.8	18	18	18	
7	Guchin-Uс	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	17	17	17	
8	Zyil	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	13.6	13.6	22	22	22	
9	Ulziit	40	70	70	4.4	7.7	7.7	3.0	5.3	5.3	5.3	5.3	8	12	12	
10	ZB Ulaan	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	9.8	9.8	18	18	18	
11	Bogd	110	110	110	12.1	12.1	12.1	8.3	8.3	8.3	8.3	8.3	16	16	16	
12	Nariinteel	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	19	19	19	
13	Sant	100	100	100	11.0	11.0	11.0	7.6	7.6	7.6	7.6	7.6	15	15	15	
14	Taragt	50	100	100	5.5	11.0	11.0	3.8	7.6	7.6	7.6	7.6	9	15	15	
15	Tugrug	48	80	80	5.3	8.8	8.8	3.6	6.1	6.1	6.1	6.1	9	13	13	
16	Yanga	320	320	320	35.2	35.2	35.2	24.2	24.2	24.2	24.2	24.2	35	35	35	
17	Kharkhandulaan	50	50	60	5.5	5.5	6.6	3.8	3.8	4.5	3.8	4.5	9	9	11	
18	Khuzirt	660	660	660	72.6	72.6	72.6	49.9	49.9	49.9	49.9	49.9	64	64	64	
19	Kharkhorin	1,160	1,880	1,880	127.6	206.8	206.8	87.7	142.2	142.2	142.2	142.2	104	162	162	
20	Bayanteeg	48	48	50	5.3	5.3	5.5	3.6	3.6	3.8	3.6	3.8	9	9	9	
	Total	5,984	7,358	8,430	658.2	809.4	927.3	531.6	654.1	771.6	654.1	771.6	---	---	---	

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,410	2,990	4,100	265.1	328.9	451.0	265.1	328.9	451.0	0.01	0.01	0.01	0.01	0.01	0.01
2	Bayandalai	0	80	80	0.0	8.8	8.8	0.0	6.1	6.1	0	13	13	0	13	13
3	Bayan-Ovoo	0	50	50	0.0	5.5	5.5	0.0	3.8	3.8	0	9	9	0	9	9
4	Bulgan	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	18	18	18	18	18	18
5	Gurbantes	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	18	18	18	18	18	18
6	Mandal-Ovoo	48	130	130	5.3	14.3	14.3	3.6	9.8	9.8	9	18	18	9	18	18
7	Manlai	0	0	80	0.0	0.0	8.8	0.0	0.0	6.1	0	0	0	0	0	13
8	Nomgon	210	210	210	23.1	23.1	23.1	15.9	15.9	15.9	25	25	25	25	25	25
9	Noyon	0	90	90	0.0	9.9	9.9	0.0	6.8	6.8	0	14	14	0	14	14
10	Sevrei	70	70	70	7.7	7.7	7.7	5.3	5.3	5.3	12	12	12	12	12	12
11	Khanbogd	0	70	70	0.0	7.7	7.7	0.0	5.3	5.3	0	12	12	0	12	12
12	Khankhongor	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	17	17	17	17	17	17
13	Khurimen	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0	11	11	0	11	11
14	Tsogt-Ovoo	0	50	50	0.0	5.5	5.5	0.0	3.8	3.8	0	9	9	0	9	9
15	Tsogtsetsii	0	70	70	0.0	7.7	7.7	0.0	5.3	5.3	0	12	12	0	12	12
16	Tavantolgoi	70	70	70	7.7	7.7	7.7	5.3	5.3	5.3	12	12	12	12	12	12
	Total	3,188	4,320	5,510	350.7	475.2	606.1	323.9	429.5	557.6	---	---	---	---	---	---

Umnogovi

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,410	3,000	4,100	265.1	330.0	451.0	265.1	330.0	451.0	265.1	330.0	451.0	---	---	---
2	Dariganga	50	70	70	5.5	7.7	7.7	3.8	5.3	5.3	3.8	5.3	5.3	9	12	12
3	Naran	0	0	80	0.0	0.0	8.8	0.0	0.0	8.8	0.0	0.0	6.1	0	0	13
4	Ongon	220	220	220	24.2	24.2	24.2	16.6	16.6	16.6	16.6	16.6	16.6	26	26	26
5	Bayandelger	160	160	160	17.6	17.6	17.6	12.1	12.1	12.1	12.1	12.1	12.1	21	21	21
6	Khalzan	48	100	100	5.3	11.0	11.0	3.6	7.6	7.6	3.6	7.6	7.6	9	15	15
7	Uulbayan	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	15.1	15.1	15.1	24	24	24
8	Munkhhaan	200	250	250	22.0	27.5	27.5	15.1	18.9	18.9	15.1	18.9	18.9	24	29	29
9	Sukhbaatar	50	110	110	5.5	12.1	12.1	3.8	8.3	8.3	3.8	8.3	8.3	9	16	16
10	Erdenetsagaan	290	290	290	31.9	31.9	31.9	21.9	21.9	21.9	21.9	21.9	21.9	32	32	32
11	Tumentsogt	410	410	410	45.1	45.1	45.1	31.0	31.0	31.0	31.0	31.0	31.0	43	43	43
12	Tuvsinshiree	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	6.8	6.8	6.8	14	14	14
13	Asgat	110	110	110	12.1	12.1	12.1	8.3	8.3	8.3	8.3	8.3	8.3	16	16	16
14	Talbulag (uurkhai)	0	0	40	0.0	0.0	4.4	0.0	0.0	4.4	0.0	0.0	3.0	0	0	8
	Total	4,238	5,010	6,230	466.2	551.1	685.3	403.3	482.0	612.1	403.3	482.0	612.1	---	---	---

Sukhbaatar

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	1,880	2,010	2,750	206.8	221.1	302.5	206.8	221.1	302.5	206.8	221.1	302.5	---	---	---
2	Altanbulag	280	280	280	30.8	30.8	30.8	21.2	21.2	21.2	21.2	21.2	21.2	31	31	31
3	Eruu	230	230	230	25.3	25.3	25.3	17.4	17.4	17.4	17.4	17.4	17.4	27	27	27
4	Zuunburen	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
5	Khushaat	50	50	70	5.5	5.5	7.7	3.8	3.8	5.3	3.8	3.8	5.3	9	9	12
6	Orkhon	48	100	100	5.3	11.0	11.0	3.6	7.6	7.6	3.6	7.6	7.6	9	15	15
7	Sant	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	9.8	9.8	9.8	18	18	18
8	Khuder	50	50	80	5.5	5.5	8.8	3.8	3.8	6.1	3.8	3.8	6.1	9	9	13
9	Tsagaannuur	230	230	230	25.3	25.3	25.3	17.4	17.4	17.4	17.4	17.4	17.4	27	27	27
10	Bugant	100	170	170	11.0	18.7	18.7	7.6	12.9	12.9	7.6	12.9	12.9	15	22	22
11	Orkhontuul	190	190	190	20.9	20.9	20.9	14.4	14.4	14.4	14.4	14.4	14.4	23	23	23
12	Baruunburen	190	190	190	20.9	20.9	20.9	14.4	14.4	14.4	14.4	14.4	14.4	23	23	23
13	Dulaankhaan	100	100	70	11.0	11.0	7.7	7.6	7.6	5.3	7.6	7.6	5.3	15	15	12
14	Javkhiant	50	50	80	5.5	5.5	8.8	3.8	3.8	6.1	3.8	3.8	6.1	9	9	13
15	Shaamar	300	300	300	33.0	33.0	33.0	22.7	22.7	22.7	22.7	22.7	22.7	33	33	33
16	Tushig	50	50	90	5.5	5.5	9.9	3.8	3.8	6.8	3.8	3.8	6.8	9	9	14
17	Saikhan	370	370	370	40.7	40.7	40.7	28.0	28.0	28.0	28.0	28.0	28.0	39	39	39
18	Khutul	690	690	890	75.9	75.9	97.9	52.2	52.2	67.3	52.2	52.2	67.3	66	66	83
19	Zuunkharaa (Mandal)	1,260	1,570	2,040	138.6	172.7	224.4	95.3	118.7	154.3	95.3	118.7	154.3	112	137	174
20	Bayangol (Baruunharaa)	400	400	400	44.0	44.0	44.0	30.3	30.3	30.3	30.3	30.3	30.3	42	42	42
21	Tunkhel	100	100	100	11.0	11.0	11.0	7.6	7.6	7.6	7.6	7.6	7.6	15	15	15
	Total	6,818	7,380	8,880	750.0	811.8	976.8	580.2	627.2	766.1	580.2	627.2	766.1	---	---	---

Selenge

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,300	2,850	3,920	253.0	313.5	431.2	253.0	313.5	431.2	---	---	---	---	---	---
2	Altanbulag	16	90	90	1.8	9.9	9.9	1.2	6.8	6.8	5	14	14	5	14	14
3	Argalant	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	18	18	18	18	18	18
4	Batsumber	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	24	24	24	24	24	24
5	Bayan	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	22	22	22	22	22	22
6	Bayan-Unzuul	0	0	40	0.0	0.0	4.4	0.0	0.0	3.0	0	0	0	0	0	8
7	Bayanjargalan	50	50	80	5.5	5.5	8.8	3.8	3.8	6.1	9	9	9	9	9	13
8	Bayankhangai	110	110	110	12.1	12.1	12.1	8.3	8.3	8.3	16	16	16	16	16	16
9	Bayantsagaan	50	50	90	5.5	5.5	9.9	3.8	3.8	6.8	9	9	9	9	9	14
10	Bayantsogt	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	22	22	22	22	22	22
11	Bornuur	260	260	260	28.6	28.6	28.6	19.7	19.7	19.7	30	30	30	30	30	30
12	Buren	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	14	14	14	14	14	14
13	Delgerkhaan	16	100	100	1.8	11.0	11.0	1.2	7.6	7.6	5	15	15	5	15	15
14	Jargalant	460	460	460	50.6	50.6	50.6	34.8	34.8	34.8	47	47	47	47	47	47
15	Zaamar	270	270	270	29.7	29.7	29.7	20.4	20.4	20.4	31	31	31	31	31	31
16	Lun	340	340	340	37.4	37.4	37.4	25.7	25.7	25.7	37	37	37	37	37	37
17	Undurshireet	48	48	80	5.3	5.3	8.8	3.6	3.6	6.1	9	9	9	9	9	13
18	Sergelen	20	70	70	2.2	7.7	7.7	1.5	5.3	5.3	6	12	12	6	12	12
19	Sumber	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	19	19	19	19	19	19
20	Ugtaal	240	240	240	26.4	26.4	26.4	18.2	18.2	18.2	28	28	28	28	28	28
21	Tseel	270	270	270	29.7	29.7	29.7	20.4	20.4	20.4	31	31	31	31	31	31
22	Erdene	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	17	17	17	17	17	17
23	Erdenesant	330	330	330	36.3	36.3	36.3	25.0	25.0	25.0	36	36	36	36	36	36
24	Arkhuut	48	90	90	5.3	9.9	9.9	3.6	6.8	6.8	9	14	14	9	14	14
25	Bayanchandmani	350	350	350	38.5	38.5	38.5	26.5	26.5	26.5	38	38	38	38	38	38
26	Zanchivlan	48	20	20	5.3	2.2	2.2	3.6	1.5	1.5	9	6	6	9	6	6
27	Bayandelger	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	20	20	20	20	20	20
28	Mungunmorit	24	90	90	2.6	9.9	9.9	1.8	6.8	6.8	6	14	14	6	14	14
	Total	6,430	7,268	8,480	707.3	799.5	932.8	565.3	647.6	776.1	---	---	---	---	---	---

Tuv

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,260	2,800	3,840	248.6	308.0	422.4	248.6	308.0	422.4	248.6	308.0	422.4	0.01	0.01	0.01
2	Baruunturuun	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22
3	Bokhmurun	60	60	60	6.6	6.6	6.6	4.5	4.5	4.5	4.5	4.5	4.5	11	11	11
4	Davst	0	0	50	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	3.8	0	0	9
5	Zavkhan	70	70	70	7.7	7.7	7.7	5.3	5.3	5.3	5.3	5.3	5.3	12	12	12
6	Zuungobi	0	50	50	0.0	5.5	5.5	0.0	3.8	3.8	3.8	3.8	3.8	0	9	9
7	Zuunkhangai	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	3.8	3.8	3.8	9	9	9
8	Malchin	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	3.8	3.8	3.8	9	9	9
9	Naranbulag	48	48	60	5.3	5.3	6.6	3.6	3.6	3.6	3.6	3.6	4.5	9	9	11
10	Ulgii	0	0	40	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	3.0	0	0	8
11	Ummugobi	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	6.8	6.8	6.8	14	14	14
12	Undurkhangai	110	110	110	12.1	12.1	12.1	8.3	8.3	8.3	8.3	8.3	8.3	16	16	16
13	Sagil	50	50	60	5.5	5.5	6.6	3.8	3.8	3.8	3.8	3.8	4.5	9	9	11
14	Tarialan	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	10.6	19	19	19
15	Turgen	0	0	60	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	4.5	0	0	11
16	Tes	60	60	60	6.6	6.6	6.6	4.5	4.5	4.5	4.5	4.5	4.5	11	11	11
17	Kharkhira	50	50	20	5.5	5.5	2.2	3.8	3.8	3.8	3.8	3.8	1.5	9	9	6
18	Khovd	0	0	30	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	2.3	0	0	7
19	Khyargas	50	50	50	5.5	5.5	5.5	3.8	3.8	3.8	3.8	3.8	3.8	9	9	9
20	Tsagaankhairkhan	48	100	100	5.3	11.0	11.0	3.6	3.6	3.6	3.6	3.6	7.6	9	15	15
	Total	3,306	3,948	5,160	363.7	434.3	567.6	327.7	394.8	522.2	327.7	394.8	522.2	---	---	---

Uvus

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,890	3,580	4,910	317.9	393.8	540.1	317.9	393.8	540.1	317.9	393.8	540.1	---	---	---
2	Altai	0	90	90	0.0	9.9	9.9	0.0	6.8	6.8	0.0	6.8	6.8	0	14	14
3	Bulgan	390	390	390	42.9	42.9	42.9	29.5	29.5	29.5	29.5	29.5	29.5	41	41	41
4	Buyant	130	130	130	14.3	14.3	14.3	9.8	9.8	9.8	9.8	9.8	9.8	18	18	18
5	Darvi	160	160	160	17.6	17.6	17.6	12.1	12.1	12.1	12.1	12.1	12.1	21	21	21
6	Durgun	48	120	120	5.3	13.2	13.2	3.6	9.1	9.1	3.6	9.1	9.1	9	17	17
7	Duut	0	0	50	0.0	0.0	5.5	0.0	0.0	5.5	0.0	0.0	3.8	0	0	9
8	Zereg	16	100	100	1.8	11.0	11.0	1.2	7.6	7.6	1.2	7.6	7.6	5	15	15
9	Mankhan	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20
10	Munkhkhagan	50	50	30	5.5	5.5	3.3	3.8	3.8	2.3	3.8	3.8	2.3	9	9	7
11	Must	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	10.6	19	19	19
12	Myngad	50	90	90	5.5	9.9	9.9	3.8	6.8	6.8	3.8	6.8	6.8	9	14	14
13	Uench	250	250	250	27.5	27.5	27.5	18.9	18.9	18.9	18.9	18.9	18.9	29	29	29
14	Khovd	0	0	80	0.0	0.0	8.8	0.0	0.0	6.1	0.0	0.0	6.1	0	0	13
15	Tsetseg	110	110	110	12.1	12.1	12.1	8.3	8.3	8.3	8.3	8.3	8.3	16	16	16
16	Chandman	48	80	80	5.3	8.8	8.8	3.6	6.1	6.1	3.6	6.1	6.1	9	13	13
17	Erdeneburen	50	90	90	5.5	9.9	9.9	3.8	6.8	6.8	3.8	6.8	6.8	9	14	14
	Total	4,482	5,530	6,970	493.0	608.3	766.7	438.3	541.3	695.9	438.3	541.3	695.9	---	---	---

Khovd

No.	Aimags/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum			Khuvs gul
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	
1	Aimag center	4,980	6,180	8,470	547.8	679.8	931.7	547.8	679.8	931.7	547.8	679.8	931.7	---	---	---	---
2	Alag-Erdene	0	130	130	0.0	14.3	14.3	0.0	9.8	9.8	0.0	9.8	9.8	0	18	18	18
3	Arbulag	0	200	200	0.0	22.0	22.0	0.0	15.1	15.1	0.0	15.1	15.1	0	24	24	24
4	Bayanzurkh	0	160	160	0.0	17.6	17.6	0.0	12.1	12.1	0.0	12.1	12.1	0	21	21	21
5	Burentogtokh	250	250	250	27.5	27.5	27.5	18.9	18.9	18.9	18.9	18.9	18.9	29	29	29	29
6	Burenkhaan	0	0	40	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	3.0	0	0	8	8
7	Galt	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17	17
8	Jargalant	220	220	220	24.2	24.2	24.2	16.6	16.6	16.6	16.6	16.6	16.6	26	26	26	26
9	Ikh-Uul	260	260	260	28.6	28.6	28.6	19.7	19.7	19.7	19.7	19.7	19.7	30	30	30	30
10	Rashaant	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22	22
11	Renchinkhumbе	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22	22
12	Tarialan	600	600	600	66.0	66.0	66.0	45.4	45.4	45.4	45.4	45.4	45.4	59	59	59	59
13	Tosontsengel	48	170	170	5.3	18.7	18.7	3.6	12.9	12.9	3.6	12.9	12.9	9	22	22	22
14	Tumurbulag	40	160	160	4.4	17.6	17.6	3.0	12.1	12.1	3.0	12.1	12.1	8	21	21	21
15	Tunel	0	140	140	0.0	15.4	15.4	0.0	10.6	10.6	0.0	10.6	10.6	0	19	19	19
16	Ulaan-Uul	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22	22
17	Khankh	160	160	160	17.6	17.6	17.6	12.1	12.1	12.1	12.1	12.1	12.1	21	21	21	21
18	Khatgal	380	380	380	41.8	41.8	41.8	28.7	28.7	28.7	28.7	28.7	28.7	40	40	40	40
19	Tsagaannuur	0	100	100	0.0	11.0	11.0	0.0	7.6	7.6	0.0	7.6	7.6	0	15	15	15
20	Tsagaan	300	300	300	33.0	33.0	33.0	22.7	22.7	22.7	22.7	22.7	22.7	33	33	33	33
21	Tsagaan-Uur	140	140	140	15.4	15.4	15.4	10.6	10.6	10.6	10.6	10.6	10.6	19	19	19	19
22	Tsetserleg	170	170	170	18.7	18.7	18.7	12.9	12.9	12.9	12.9	12.9	12.9	22	22	22	22
23	Chandman Undur	48	180	180	5.3	19.8	19.8	3.6	13.6	13.6	3.6	13.6	13.6	9	22	22	22
24	Shine-Ider	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20	20
25	Erdenebulgan	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20	20
	Total	8,526	10,830	13,160	938	1,191	1,448	816	1,031	1,286	816	1,031	1,286	---	---	---	---

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	2,080	2,570	3,530	228.8	282.7	388.3	228.8	282.7	388.3	228.8	282.7	388.3	---	---	---
2	Galshar	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0.0	4.5	4.5	0	11	11
3	Bayankhutagt	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
4	Darkhan	60	60	60	6.6	6.6	6.6	4.5	4.5	4.5	4.5	4.5	4.5	11	11	11
5	Bayanmunkh	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	6.8	6.8	6.8	14	14	14
6	Delgerkhaan	160	160	160	17.6	17.6	17.6	12.1	12.1	12.1	12.1	12.1	12.1	21	21	21
7	Jargaltkhaan	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	15.1	15.1	15.1	24	24	24
8	Tsenkhermandal	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	15.1	15.1	15.1	24	24	24
9	Murun	200	200	200	22.0	22.0	22.0	15.1	15.1	15.1	15.1	15.1	15.1	24	24	24
10	Umnudelger	290	290	290	31.9	31.9	31.9	21.9	21.9	21.9	21.9	21.9	21.9	32	32	32
10		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11	Bayanadraga	0	110	110	0.0	12.1	12.1	0.0	8.3	8.3	0.0	8.3	8.3	0	16	16
12	Binder	180	180	180	19.8	19.8	19.8	13.6	13.6	13.6	13.6	13.6	13.6	22	22	22
13	Batshireet	0	0	90	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	6.8	0	0	14
14	Batnorov	90	90	90	9.9	9.9	9.9	6.8	6.8	6.8	6.8	6.8	6.8	14	14	14
15	Berkh	350	350	350	38.5	38.5	38.5	26.5	26.5	26.5	26.5	26.5	26.5	38	38	38
16	Bayan-Ovoo	0	60	60	0.0	6.6	6.6	0.0	4.5	4.5	0.0	4.5	4.5	0	11	11
17	Khajuu-Ulaan	0	180	180	0.0	19.8	19.8	0.0	13.6	13.6	0.0	13.6	13.6	0	22	22
18	Norovlin	100	100	100	11.0	11.0	11.0	7.6	7.6	7.6	7.6	7.6	7.6	15	15	15
19	Dadal	150	150	150	16.5	16.5	16.5	11.3	11.3	11.3	11.3	11.3	11.3	20	20	20
20	Uziit	120	120	120	13.2	13.2	13.2	9.1	9.1	9.1	9.1	9.1	9.1	17	17	17
21	Gurbanbulag	50	100	100	5.5	11.0	11.0	3.8	7.6	7.6	3.8	7.6	7.6	9	15	15
22	Bor-Undur	980	1,590	1,590	107.8	174.9	174.9	74.1	120.2	120.2	74.1	120.2	120.2	90	139	139
	Total	5,420	6,980	8,030	596.2	767.8	883.3	481	616	729	481	616	729	---	---	---

Khenti

Darkhan-Uul

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	7,710	9,420	12,730	848.1	1036.2	1400.3	848.1	1036.2	1400.3	---	---	---	---	---	---
2	Shariin gol	770	1,220	1,220	84.7	134.2	134.2	58.2	92.3	92.3	73	109	109	36	36	36
3	Khongor	330	330	330	36.3	36.3	36.3	25.0	25.0	25.0	36	36	36	26	26	26
4	Orkhon	150	220	220	16.5	24.2	24.2	11.3	16.6	16.6	20	26	26	---	---	---
5	Salkhit	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	8,960	11,190	14,500	985.6	1,230.9	1,595.0	942.6	1,170.1	1,534.2	---	---	---	---	---	---

Note: Salkhit is to be merged to Orkhon.

Orkhon

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center (Erdenet)	19,990	24,790	34,010	2198.9	2726.9	3741.1	2198.9	2726.9	3741.1	---	---	---	---	---	---
2	Jargalant	2,950	3,680	4,790	324.5	404.8	526.9	223.1	278.3	362.2	245	302	387	---	---	---
3	Ulaantolgoi	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total	22,940	28,470	38,800	2,523.4	3,131.7	4,268.0	2,422.0	3,005.2	4,103.3	---	---	---	---	---	---

Note: Ulaantolgoi is to be merged to Jargalant.

Govisumber

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Aimag center	620	580	790	68.2	63.8	86.9	68.2	63.8	86.9	68.2	63.8	86.9	---	---	---
2	Shiveegobi	270	270	270	29.7	29.7	29.7	20.4	20.4	20.4	20.4	20.4	20.4	31	31	31
3	Bayntal	48	50	50	5.3	5.5	5.5	3.6	3.8	3.8	3.6	3.8	3.8	9	9	9
	Total	938	900	1,110	103.2	99.0	122.1	92.2	88.0	111.1	92.2	88.0	111.1	---	---	---

Nalaikh

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Nalaikh city	3,020	3,750	5,140	332.2	412.5	565.4	332.2	412.5	565.4	332.2	412.5	565.4	---	---	---
2	Terej	48	280	280	5.3	30.8	30.8	3.6	21.2	21.2	3.6	21.2	21.2	9	31	31
3	Shokhoi	0	0	70	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0	5.3	0	0	12
4	Arjanchivlian	0	0	70	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0	5.3	0	0	12
5	Nisekh/GORDOK/	0	0	60	0.0	0.0	6.6	0.0	0.0	6.6	0.0	0.0	4.5	0	0	11
	Total	3,068	4,030	5,620	337.5	443.3	618.2	335.8	433.7	601.7	335.8	433.7	601.7	---	---	---

Baganuur

No.	Aimag/Sum	Switch capacity			Traffic			Per-line= 0.11			Traffic to/from Aimag			Circuits between Aimag and Sum		
		2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020	2008	2013	2020
1	Baganuur city	3,130	3,610	4,950	344.3	397.1	544.5	344.3	397.1	544.5	344.3	397.1	544.5	369	423	572
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	Total	3,130	3,610	4,950	344.3	397.1	544.5	344.3	397.1	544.5	344.3	397.1	544.5	---	---	---