



## INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

## PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX_REST_DEP	POR_IN_LLA_NO_EX_EBTS_REST_DEP	EXITOS_CANAL SENALIZA REST DEP	INTENT_CANAL SENALIZA REST DEP	EXITOS_CANAL TRAFICO RESTO DEP	INTENT_CANAL TRAFICO RESTO DEP
2017	6	68	2	1	10	0,3966		112220	112500	151022	151246
2017	6	8	2	1	10	0,2449		35044	35092	47962	48014
2017	6	76	2	1	10	0,3545		88137	88336	118000	118153
2017	6	99	2	1	10	0,2773	2,1638	1595	1598	3339	3342
2017	6	85	2	1	18	5,147		66392	67261	98124	102112
2017	6	88	2	1	18	6,8966		33	33	135	145
2017	6	81	2	1	18	10,2671		37593	38759	63924	69095
2017	6	25	2	1	18	1,055		284468	286026	400222	402286
2017	6	15	2	1	18	0,4252		206927	207377	272071	272640
2017	6	41	2	1	19	0,9735		98306	98940	132132	132576
2017	6	19	2	1	19	0,8959	4,7747	88668	89042	121611	122195
2017	6	47	2	1	19	0,3564		57103	57208	80138	80277
2017	6	73	2	1	19	1,1218		122641	123602	169723	170314
2017	6	23	2	1	19	0,5894		150625	151112	198741	199275
2017	6	20	2	1	19	0,3182		51125	51230	73944	74028
2017	6	27	2	1	19	2,8851	5,2256	32713	32880	53109	54409
2017	6	17	2	1	19	0,471	2,6316	103605	103850	136317	136639
2017	6	50	2	1	19	0,8062	0	80424	80776	118625	119068
2017	6	63	2	1	19	0,2913		45940	45999	60535	60634
2017	6	54	2	1	19	1,7893		58902	59316	84049	84983
2017	6	13	2	1	19	0,6009		88352	88527	115360	115828
2017	6	66	2	1	19	0,4187		47726	47830	62343	62469
2017	6	44	2	1	19	0,3521		16832	16866	25157	25195
2017	6	5	2	1	19	0,6988		378045	379470	497882	499503
2017	6	70	2	1	19	0,4031		71494	71669	92734	92882
2017	6	86	2	1	20	0,3602		32759	32833	49524	49591
2017	6	95	2	1	20	0	0,5747	570	570	994	994
2017	6	52	2	1	20	0,3285		61517	61646	82785	82884
2017	6	18	2	1	20	3,8239	2,3256	23818	24007	38228	39435
2017	6	68	2	2	9	0,3751		115908	116174	155470	155698
2017	6	8	2	2	10	9,1661		37233	39653	50618	52325
2017	6	76	2	2	10	0,3098		90250	90408	121070	121234
2017	6	88	2	2	15	2,1834		101	101	224	229
2017	6	15	2	2	18	0,4759		213800	214275	279531	280245
2017	6	99	2	2	18	0,4822	3,3897	1996	2001	4284	4294
2017	6	25	2	2	18	1,2957		300366	302714	423986	426220
2017	6	81	2	2	18	4,3435		43053	44171	80590	82117
2017	6	85	2	2	18	0,6566		70023	70312	101939	102191
2017	6	19	2	2	19	0,9189	7,5091	96010	96350	130408	131153
2017	6	5	2	2	19	0,6907		403557	405116	531900	533538
2017	6	73	2	2	19	0,5941		125586	126037	173799	174212
2017	6	47	2	2	19	0,3497		60774	60913	86131	86236
2017	6	41	2	2	19	0,9248		101900	102502	136526	136991
2017	6	20	2	2	19	0,2972		52871	52972	76713	76795
2017	6	23	2	2	19	0,5598		162164	162688	213740	214251
2017	6	50	2	2	19	1,081	0,9804	90003	90659	132309	132787
2017	6	44	2	2	19	0,3677		18247	18278	27667	27722
2017	6	18	2	2	19	1,8198	3,3333	27905	28120	47916	48431
2017	6	66	2	2	19	0,2902		51041	51119	65926	66017
2017	6	70	2	2	19	0,3932		76789	76955	99340	99517
2017	6	54	2	2	19	1,2934		61646	62070	88308	88854
2017	6	17	2	2	19	0,5006	9,0977	109415	109664	142925	143318
2017	6	63	2	2	19	0,2565		48272	48321	63019	63117
2017	6	13	2	2	19	0,6024		96085	96281	124608	125108
2017	6	52	2	2	19	0,468		77864	78089	102397	102582
2017	6	86	2	2	20	0,4511		32320	32402	48766	48863
2017	6	95	2	2	20	0,3247	1,6129	500	501	797	798
2017	6	27	2	2	20	1,4188	6,0914	28858	28975	47785	48277
2017	6	41	2	3	10	0,5249		109636	110034	144494	144731
2017	6	15	2	3	10	0,381		200436	200884	262874	263291
2017	6	76	2	3	10	0,3319		90327	90522	119837	119977
2017	6	17	2	3	10	0,3821	3,8462	114942	115169	148645	148921
2017	6	63	2	3	10	0,2602		48047	48094	62625	62727
2017	6	25	2	3	10	0,6127		279611	280540	390087	391192
2017	6	5	2	3	10	0,3176		386038	386780	500068	500699
2017	6	68	2	3	10	0,3893		104484	104754	140127	140312
2017	6	19	2	3	10	0,8123	5,9495	101705	102284	135330	135666
2017	6	8	2	3	10	10,1437		34359	37200	46388	47682
2017	6	73	2	3	10	0,5627		130337	130716	176463	176947
2017	6	66	2	3	10	0,2568		50979	51054	65341	65413
2017	6	99	2	3	18	1,0244	1,6102	1709	1718	3757	3776
2017	6	23	2	3	19	0,4296		158650	159006	208173	208603
2017	6	50	2	3	19	0,583	0	77526	77791	114026	114304
2017	6	81	2	3	19	1,5658		30583	30977	53255	53414
2017	6	86	2	3	19	0,4184		36567	36665	54698	54781
2017	6	27	2	3	19	1,3897	2,1945	32634	32777	53056	53569
2017	6	54	2	3	19	0,8853		59638	59819	84189	84684
2017	6	47	2	3	19	0,383		56902	57015	79782	79930
2017	6	52	2	3	19	0,4435		71988	72191	94442	94596



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AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX_REST_DEP	POR_IN_LLA_NO_EX_EBTS_REST_DEP	EXITOS_CANAL SENALIZA REST DEP	INTENT_CANAL SENALIZA REST DEP	EXITOS_CANAL TRAFICO RESTO DEP	INTENT_CANAL TRAFICO RESTO DEP
2017	6	20	2	3	19	0,2763		50030	50113	71199	71278
2017	6	95	2	3	19	0,0884	4,769	691	691	1130	1131
2017	6	18	2	3	19	1,8374	2,7778	29089	29440	45798	46099
2017	6	13	2	3	19	0,5609		90529	90718	117059	117474
2017	6	85	2	3	19	0,4888		55006	55161	81409	81579
2017	6	70	2	3	20	0,4477		62161	62300	81133	81316
2017	6	44	2	3	20	0,408		14473	14496	21971	22026
2017	6	88	2	3	21	1,2903		54	54	153	155
2017	6	99	2	4	18	0,2895	2,1866	1485	1488	3405	3408
2017	6	18	2	4	18	1,9729	7,1429	35193	35563	54874	55396
2017	6	85	2	4	18	0,6541		53826	54027	78902	79126
2017	6	5	2	4	19	0,5702		363869	364788	475421	476943
2017	6	63	2	4	19	0,3848		42311	42394	55347	55452
2017	6	17	2	4	19	0,4521	14,5161	94756	94977	123396	123668
2017	6	50	2	4	19	1,0055	0	72923	73336	108545	109030
2017	6	68	2	4	19	0,4935		89998	90244	122084	122355
2017	6	25	2	4	19	0,9333		228184	229356	322795	324171
2017	6	15	2	4	19	0,5619		161301	161891	213053	213476
2017	6	81	2	4	19	1,5372		27787	28106	47002	47194
2017	6	20	2	4	19	0,2673		45763	45855	65811	65855
2017	6	19	2	4	19	0,7669	6,7114	89451	89720	121957	122531
2017	6	73	2	4	19	0,6588		111618	112060	152936	153343
2017	6	41	2	4	20	0,6464		80597	80979	109221	109413
2017	6	44	2	4	20	0,3054		13515	13534	20540	20574
2017	6	54	2	4	20	1,0932		47262	47441	67562	68051
2017	6	13	2	4	20	0,7213		72679	72833	95213	95702
2017	6	95	2	4	20	0,1227	0,7634	489	489	814	815
2017	6	27	2	4	20	2,1761	8,2473	28537	28685	47551	48358
2017	6	52	2	4	20	0,5104		62254	62456	83009	83165
2017	6	70	2	4	20	0,8534		58168	58491	76705	76938
2017	6	86	2	4	20	0,3814		29799	29866	45031	45102
2017	6	76	2	4	20	0,2683		68300	68426	91260	91337
2017	6	47	2	4	20	0,3874		42971	43077	61301	61388
2017	6	66	2	4	20	0,2203		39339	39385	51117	51170
2017	6	23	2	4	20	0,4663		125606	125914	168377	168752
2017	6	8	2	4	20	9,4403		24742	26564	33258	34206
2017	6	88	2	4	21	3,4247		52	52	141	146
2017	6	76	2	5	10	0,3072		94737	94929	125360	125492
2017	6	25	2	5	10	0,7424		283479	284495	394992	396525
2017	6	8	2	5	10	8,0526		35984	38243	49238	50387
2017	6	88	2	5	11	5,1429		49	49	166	175
2017	6	15	2	5	18	0,3935		211789	212201	276350	276903
2017	6	50	2	5	19	0,7477	3,5373	87136	87545	128428	128791
2017	6	52	2	5	19	0,388		75339	75518	98959	99109
2017	6	54	2	5	19	2,0187		57829	58403	82572	83445
2017	6	23	2	5	19	0,6318		155396	156028	204628	205095
2017	6	17	2	5	19	0,4778	3,4483	105372	105623	137192	137523
2017	6	86	2	5	19	1,0121		40056	40232	60288	60638
2017	6	41	2	5	19	1,0474		100875	101613	135895	136336
2017	6	73	2	5	19	0,5282		124343	124681	171792	172236
2017	6	99	2	5	19	1,1268	2,7976	1429	1444	3369	3372
2017	6	27	2	5	19	3,896	3,7186	37621	37877	60196	62213
2017	6	68	2	5	19	0,4316		100379	100642	137438	137673
2017	6	44	2	5	19	0,4201		17400	17433	26320	26381
2017	6	66	2	5	19	0,3533		49436	49520	64004	64122
2017	6	81	2	5	19	2,1487		31066	31595	52805	53061
2017	6	18	2	5	19	1,7252	2,1505	32246	32572	51556	51936
2017	6	13	2	5	19	0,6852		91403	91613	118715	119260
2017	6	85	2	5	19	0,8892		59807	60143	88450	88745
2017	6	19	2	5	19	0,636	6,6273	91435	91729	125023	125420
2017	6	70	2	5	19	0,3574		72208	72340	93410	93574
2017	6	5	2	5	19	0,727		396800	398158	519887	521908
2017	6	95	2	5	19	0,2213	0,5	712	713	1231	1232
2017	6	47	2	5	19	0,4467		58206	58348	81763	81930
2017	6	20	2	5	19	0,2517		49972	50053	72106	72171
2017	6	63	2	5	19	0,3294		46689	46748	60821	60945
2017	6	68	2	6	9	0,3866		113037	113312	151642	151861
2017	6	76	2	6	10	0,3009		91567	91748	123178	123306
2017	6	25	2	6	10	0,472		264959	265634	369015	369823
2017	6	8	2	6	10	0,1875		34976	35014	48041	48079
2017	6	18	2	6	18	3,9341	2,5974	34285	35007	53584	54628
2017	6	95	2	6	18	0,6973	2,027	803	808	1266	1267
2017	6	15	2	6	18	0,3438		207634	208030	272134	272553
2017	6	66	2	6	19	0,2502		48180	48243	62551	62626
2017	6	20	2	6	19	0,3073		50257	50354	73050	73134
2017	6	44	2	6	19	0,4394		17049	17073	25658	25735
2017	6	5	2	6	19	0,7416		383310	384606	505343	507403
2017	6	52	2	6	19	0,4883		74414	74641	98315	98497
2017	6	73	2	6	19	0,4793		121258	121585	168941	169298



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AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO EX_REST_DEP	POR_IN_LLA_NO_EX EBT_REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP
2017	6	13	2	6	19	0,7332		89850	90060	117733	118326
2017	6	50	2	6	19	0,8045	0	80569	80974	119604	119971
2017	6	54	2	6	19	1,8333		58807	59289	83608	84477
2017	6	63	2	6	19	0,342		45495	45555	59713	59839
2017	6	47	2	6	19	0,3726		56833	56953	80615	80746
2017	6	27	2	6	19	1,5576	5,8561	34556	34677	56687	57383
2017	6	99	2	6	19	0,381	1,92	1373	1377	3302	3305
2017	6	41	2	6	19	1,121		97951	98723	132125	132578
2017	6	19	2	6	19	0,8137	4,6845	91310	91664	125052	125591
2017	6	17	2	6	19	0,4414	4,8193	103087	103312	134874	135177
2017	6	81	2	6	19	1,4258		31609	31942	53753	53962
2017	6	23	2	6	19	0,6398		154246	154723	204737	205420
2017	6	70	2	6	19	0,3693		71071	71196	92584	92764
2017	6	85	2	6	19	0,8214		57839	58122	85995	86285
2017	6	86	2	6	20	0,4144		31903	31984	48188	48266
2017	6	88	2	6	21	0,7874		61	61	126	127
2017	6	8	2	7	10	0,2218		33986	34024	47104	47156
2017	6	68	2	7	10	0,4049		108226	108485	145031	145273
2017	6	76	2	7	10	0,5363		87298	87595	115959	116189
2017	6	47	2	7	10	0,3631		59990	60122	86072	86196
2017	6	99	2	7	18	0,6337	2,1105	1774	1784	4076	4079
2017	6	5	2	7	18	0,6389		389827	391400	507735	508946
2017	6	25	2	7	18	1,046		268399	270119	379594	381164
2017	6	85	2	7	18	0,858		66967	67341	96983	97279
2017	6	15	2	7	18	0,3471		201198	201622	263681	264043
2017	6	20	2	7	19	0,3931		45352	45465	66133	66229
2017	6	86	2	7	19	0,4964		35872	35977	53999	54110
2017	6	23	2	7	19	0,4477		148000	148374	194389	194771
2017	6	70	2	7	19	0,3722		66574	66717	86465	86602
2017	6	73	2	7	19	0,4169		113084	113370	156109	156367
2017	6	81	2	7	19	1,4421		29847	30166	50996	51195
2017	6	18	2	7	19	3,3643	0	28466	28746	44997	46110
2017	6	13	2	7	19	0,7793		84143	84321	109305	109931
2017	6	95	2	7	19	0,1639	5,9824	609	610	1074	1074
2017	6	63	2	7	19	0,3415		42429	42482	54705	54824
2017	6	17	2	7	19	0,4763	3,4091	93112	93351	121973	122243
2017	6	66	2	7	19	0,2903		43205	43275	55845	55917
2017	6	52	2	7	19	0,5505		67630	67863	89275	89461
2017	6	44	2	7	19	0,3735		16251	16280	24473	24521
2017	6	50	2	7	19	0,793	0	77306	77675	113904	114269
2017	6	54	2	7	19	1,9177		57222	57583	79939	80991
2017	6	41	2	7	19	0,7161		89835	90259	120927	121227
2017	6	19	2	7	19	0,6328	5,7074	80998	81250	110245	110603
2017	6	27	2	7	20	3,5649	5,7589	26262	26469	42901	44139
2017	6	88	2	7	20	1,3793		64	64	143	145
2017	6	76	2	8	10	0,3488		87373	87578	116431	116565
2017	6	88	2	8	10	6,4076		55	56	162	170
2017	6	15	2	8	18	0,3442		193302	193688	253764	254133
2017	6	85	2	8	18	0,9789		65300	65714	93670	94000
2017	6	25	2	8	18	1,1976		270444	272307	382181	384167
2017	6	17	2	8	19	0,4178	4,1056	96563	96788	126293	126528
2017	6	63	2	8	19	0,3494		43698	43747	57097	57233
2017	6	44	2	8	19	0,3086		16002	16035	24252	24277
2017	6	50	2	8	19	0,8465	0	80272	80692	118015	118403
2017	6	13	2	8	19	0,8179		82636	82846	107899	108513
2017	6	19	2	8	19	0,7059	2,9578	86419	86764	118550	118918
2017	6	70	2	8	19	0,3993		67969	68107	88632	88807
2017	6	5	2	8	19	0,6685		348675	349837	458106	459657
2017	6	52	2	8	19	0,4424		73359	73561	97303	97467
2017	6	23	2	8	19	0,5422		142772	143131	189439	189994
2017	6	20	2	8	19	0,2595		48289	48373	69741	69801
2017	6	73	2	8	19	0,783		118068	118707	164605	165011
2017	6	86	2	8	19	0,5027		38419	38514	57116	57263
2017	6	81	2	8	19	2,2636		29046	29544	49546	49839
2017	6	66	2	8	19	0,346		45264	45356	58463	58547
2017	6	99	2	8	19	0,7948	1,3509	1396	1405	3217	3222
2017	6	41	2	8	19	1,2389		95088	95810	128612	129244
2017	6	27	2	8	19	2,5379	5,2793	35923	36150	58120	59259
2017	6	54	2	8	19	1,5942		56916	57112	79684	80697
2017	6	68	2	8	19	0,4427		90486	90707	124066	124314
2017	6	8	2	8	19	0,2084		29312	29345	39514	39552
2017	6	47	2	8	19	0,377		51588	51711	73027	73129
2017	6	18	2	8	19	2,8191	2,5641	29198	29586	47312	48046
2017	6	95	2	8	20	0	4,6429	593	593	942	942
2017	6	68	2	9	10	0,4166		112154	112463	149569	149782
2017	6	25	2	9	10	0,4486		272828	273453	377694	378529
2017	6	76	2	9	10	0,3561		89298	89509	119221	119365
2017	6	99	2	9	10	0,624	2,1834	1715	1721	3609	3619
2017	6	15	2	9	18	0,4396		211446	212002	276202	276694



INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX_REST_DEP	POR_IN_LLA_NO_EX_EBTS_REST_DEP	EXITOS_CANAL SENALIZA REST DEP	INTENT_CANAL SENALIZA REST DEP	EXITOS_CANAL TRAFICO RESTO DEP	INTENT_CANAL TRAFICO RESTO DEP
2017	6	81	2	9	18	2,0412		36976	37532	60720	61067
2017	6	70	2	9	19	0,3723		72556	72729	94143	94270
2017	6	85	2	9	19	0,9074		56510	56784	82795	83150
2017	6	19	2	9	19	0,6251	3,9178	97573	97877	132402	132821
2017	6	18	2	9	19	2,6471	1,2195	33049	33451	51999	52771
2017	6	47	2	9	19	0,3641		56194	56331	79122	79218
2017	6	54	2	9	19	1,304		59895	60060	84674	85557
2017	6	73	2	9	19	0,5861		125255	125739	171949	172297
2017	6	44	2	9	19	0,2593		16574	16604	25381	25401
2017	6	20	2	9	19	0,329		49458	49572	72481	72553
2017	6	8	2	9	19	0,2188		30611	30641	41285	41335
2017	6	66	2	9	19	0,3166		50960	51053	65997	66086
2017	6	13	2	9	19	0,6546		87843	88042	114973	115469
2017	6	50	2	9	19	0,6488	1,0204	85340	85637	124707	125086
2017	6	88	2	9	19	0		31	31	141	141
2017	6	23	2	9	19	0,7704		156422	157194	205696	206275
2017	6	5	2	9	19	0,5234		390314	391402	511431	512693
2017	6	95	2	9	19	0,4044	0	693	694	1148	1151
2017	6	27	2	9	19	3,0126	4,2028	35600	35890	57280	58582
2017	6	86	2	9	19	0,3919		38417	38493	56850	56961
2017	6	63	2	9	19	0,4177		47713	47790	62870	63032
2017	6	41	2	9	19	0,8461		104188	104770	138892	139299
2017	6	17	2	9	19	0,4719	3,1632	106539	106796	138585	138907
2017	6	52	2	9	20	0,3819		62761	62911	83995	84116
2017	6	25	2	10	10	0,4855		276267	277033	382330	383133
2017	6	68	2	10	10	0,3597		106273	106515	142178	142367
2017	6	63	2	10	10	0,2971		48750	48799	63857	63983
2017	6	5	2	10	10	0,2999		375843	376569	486863	487386
2017	6	76	2	10	10	0,329		90671	90857	119513	119662
2017	6	66	2	10	10	0,2214		49945	50012	63907	63963
2017	6	15	2	10	10	0,3011		198136	198477	258402	258737
2017	6	8	2	10	10	0,2097		31728	31763	43108	43151
2017	6	19	2	10	19	0,6187	4,9261	102075	102347	138250	138741
2017	6	85	2	10	19	0,538		57484	57682	83780	83944
2017	6	13	2	10	19	0,6308		87184	87387	112959	113412
2017	6	70	2	10	19	0,4252		71036	71202	91788	91965
2017	6	23	2	10	19	0,6259		151915	152438	202388	202964
2017	6	18	2	10	19	2,0539	5,2632	31961	32351	50224	50659
2017	6	50	2	10	19	0,6579	0	84059	84375	123065	123416
2017	6	81	2	10	19	1,3333		32401	32730	54128	54308
2017	6	41	2	10	19	0,6345		107466	107946	143930	144205
2017	6	20	2	10	19	0,2851		49755	49843	71641	71719
2017	6	54	2	10	19	0,874		61660	61836	86443	86957
2017	6	47	2	10	19	0,3581		56389	56518	79029	79132
2017	6	73	2	10	19	0,4372		126671	127020	172806	173088
2017	6	99	2	10	19	0,3159	2,3219	1502	1504	3269	3275
2017	6	88	2	10	19	2,9412		33	34	112	112
2017	6	17	2	10	19	0,4766	2,4801	108872	109127	141354	141699
2017	6	27	2	10	20	2,4949	6,8687	31775	31925	52001	53081
2017	6	52	2	10	20	0,4305		65973	66150	89215	89361
2017	6	95	2	10	20	0,3442	2,8121	579	581	1036	1036
2017	6	44	2	10	20	0,3183		14333	14367	21980	21998
2017	6	86	2	10	20	0,5167		35056	35168	52183	52287
2017	6	76	2	11	11	0,3098		81356	81512	107777	107905
2017	6	99	2	11	19	0,5017	2,8384	1166	1170	2490	2494
2017	6	23	2	11	19	0,5436		133991	134434	177914	178297
2017	6	5	2	11	19	0,8429		342734	344434	448515	450095
2017	6	73	2	11	19	0,6472		108727	109167	149342	149709
2017	6	63	2	11	19	0,3696		41854	41914	54547	54671
2017	6	54	2	11	19	1,5828		52854	53066	74353	75247
2017	6	13	2	11	19	0,5876		77324	77482	101046	101436
2017	6	15	2	11	19	0,3312		159410	159696	210272	210593
2017	6	8	2	11	19	0,2119		27008	27043	36303	36333
2017	6	95	2	11	19	0	0,5348	661	661	1082	1082
2017	6	20	2	11	19	0,2906		42078	42162	61096	61152
2017	6	70	2	11	19	0,325		61778	61887	81018	81139
2017	6	66	2	11	19	0,3412		43429	43519	56361	56437
2017	6	50	2	11	19	0,5308	1,9608	68458	68662	101301	101539
2017	6	68	2	11	19	0,4202		86579	86786	117827	118042
2017	6	25	2	11	19	0,61		220792	221558	312586	313417
2017	6	85	2	11	19	0,63		49790	49969	73132	73332
2017	6	19	2	11	19	0,5698	3,4581	90644	90890	123657	124029
2017	6	41	2	11	19	0,551		94627	94977	126981	127214
2017	6	27	2	11	19	2,7422	4,8915	32199	32385	51997	53156
2017	6	81	2	11	19	1,3588		27367	27632	46139	46326
2017	6	17	2	11	19	0,4274	2,5316	93479	93698	120850	121085
2017	6	47	2	11	19	0,3348		48689	48783	68747	68845
2017	6	86	2	11	20	0,5525		30827	30891	46364	46525
2017	6	18	2	11	20	1,5895	2,5641	22860	23043	36627	36923



INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO EX_REST_DEP	POR_IN_LLA_NO EX EBT_REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP	
2017	6	44	2	11	11	20	0,2695	11858	11875	18160	18183	
2017	6	52	2	11	11	20	0,4245	59978	60129	80391	80531	
2017	6	88	2	11	21	21	1,2195	27	27	81	82	
2017	6	68	2	12	10	10	0,3518	116339	116583	155204	155426	
2017	6	15	2	12	10	10	0,7155	212668	213127	276717	278111	
2017	6	25	2	12	10	10	0,4906	280987	281686	389017	389965	
2017	6	76	2	12	11	11	0,3107	88782	88938	118595	118756	
2017	6	88	2	12	11	11	1,9802	59	59	198	202	
2017	6	66	2	12	19	19	0,3489	48565	48655	63214	63318	
2017	6	13	2	12	19	19	0,8517	84713	84990	111066	111655	
2017	6	19	2	12	19	19	0,8263	4,0485	88386	88705	120914	121483
2017	6	50	2	12	19	19	0,7293	0	78589	78906	115763	116145
2017	6	81	2	12	19	19	1,3656	31711	32040	52696	52877	
2017	6	54	2	12	19	19	1,2982	55027	55250	78009	78716	
2017	6	63	2	12	19	19	0,3868	45953	45992	59695	59876	
2017	6	8	2	12	19	19	0,6707	29397	29479	40740	40901	
2017	6	41	2	12	19	19	1,0948	96479	97177	130808	131306	
2017	6	99	2	12	19	19	0,5141	2,0249	1339	1345	2924	2926
2017	6	23	2	12	19	19	0,675	145598	146106	194818	195460	
2017	6	47	2	12	19	19	0,4261	52694	52838	73915	74029	
2017	6	17	2	12	19	19	0,4057	5,4945	100917	101144	131340	131579
2017	6	27	2	12	19	19	1,958	8,0499	37021	37163	59540	60497
2017	6	18	2	12	19	19	1,3202	7,3171	29519	29679	47122	47495
2017	6	44	2	12	19	19	0,2778	16801	16831	25044	25069	
2017	6	85	2	12	19	19	0,6484	56832	57008	84813	85103	
2017	6	20	2	12	19	19	0,2944	47318	47400	68189	68272	
2017	6	70	2	12	19	19	0,3635	69175	69320	89719	89858	
2017	6	5	2	12	19	19	1,3735	373965	376756	491334	494486	
2017	6	73	2	12	19	19	0,7285	118498	119040	163539	163989	
2017	6	52	2	12	20	20	0,683	56287	56505	77188	77419	
2017	6	86	2	12	20	20	0,4073	31722	31794	47909	47996	
2017	6	95	2	12	20	20	0	1,7857	590	590	967	967
2017	6	76	2	13	10	10	0,2748	87045	87185	116116	116249	
2017	6	5	2	13	10	10	0,3391	373312	374118	489316	489923	
2017	6	15	2	13	18	18	0,3304	198744	199119	261066	261438	
2017	6	95	2	13	18	18	0,1706	0,6667	710	710	1170	1172
2017	6	99	2	13	18	18	0,6065	0,7541	1517	1524	3376	3381
2017	6	23	2	13	19	19	0,5153	152501	152953	200957	201401	
2017	6	25	2	13	19	19	0,9203	237354	238661	339562	340839	
2017	6	19	2	13	19	19	0,778	4,2553	88823	89173	121733	122206
2017	6	13	2	13	19	19	0,6466	85111	85272	110034	110541	
2017	6	73	2	13	19	19	4,2078	117942	121753	162042	163865	
2017	6	18	2	13	19	19	2,0983	5,8824	29645	29918	47307	47880
2017	6	68	2	13	19	19	0,4742	93145	93395	127217	127481	
2017	6	20	2	13	19	19	0,5186	47055	47157	68782	68991	
2017	6	70	2	13	19	19	0,3433	70671	70809	91335	91471	
2017	6	63	2	13	19	19	0,3044	44958	45002	58392	58513	
2017	6	47	2	13	19	19	0,4253	52146	52265	74083	74230	
2017	6	52	2	13	19	19	0,4788	73133	73334	97222	97422	
2017	6	85	2	13	19	19	0,9549	56740	57080	83538	83841	
2017	6	41	2	13	19	19	1,6649	99509	100666	135031	135739	
2017	6	66	2	13	19	19	0,3101	47026	47098	61516	61613	
2017	6	50	2	13	19	19	0,7689	1,7857	81970	82352	120362	120732
2017	6	54	2	13	19	19	3,7415	53728	54253	77212	79437	
2017	6	27	2	13	19	19	3,4117	4,6914	36736	37142	58947	60362
2017	6	8	2	13	19	19	0,2673	27880	27913	37467	37523	
2017	6	17	2	13	19	19	0,4208	10,7843	101428	101651	132478	132746
2017	6	81	2	13	19	19	1,5704	30037	30377	51056	51290	
2017	6	44	2	13	19	19	0,2021	16256	16277	24595	24613	
2017	6	86	2	13	20	20	0,4341	29221	29288	44135	44226	
2017	6	88	2	13	20	20	5,8333	30	30	113	120	
2017	6	68	2	14	10	10	0,3964	110874	111127	148146	148397	
2017	6	8	2	14	10	10	0,238	35794	35832	49158	49223	
2017	6	66	2	14	10	10	0,2678	47194	47273	61437	61499	
2017	6	44	2	14	10	10	0,2696	18473	18501	27822	27855	
2017	6	5	2	14	10	10	0,5806	360978	362426	473962	474825	
2017	6	76	2	14	10	10	0,5901	87364	87656	116837	117139	
2017	6	25	2	14	18	18	0,9641	277693	279264	389635	391215	
2017	6	50	2	14	18	18	0,7118	1,0989	93477	93839	136722	137171
2017	6	15	2	14	18	18	0,3189	207053	207450	271265	271612	
2017	6	86	2	14	18	18	0,3402	43385	43466	63468	63566	
2017	6	81	2	14	18	18	1,5958	37720	38157	62692	62979	
2017	6	17	2	14	19	19	0,3903	3,8462	98996	99216	128788	129006
2017	6	85	2	14	19	19	1,2368	59785	60239	87691	88120	
2017	6	23	2	14	19	19	0,7657	146384	147096	192378	192924	
2017	6	63	2	14	19	19	0,3598	42586	42651	55725	55841	
2017	6	41	2	14	19	19	0,7349	98762	99237	132894	133237	
2017	6	70	2	14	19	19	0,7188	70766	70949	90915	91337	
2017	6	99	2	14	19	19	0,3374	0,3503	1439	1442	3082	3086



INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX_REST_DEP	POR_IN_LLA_NO_EX EBTB_REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP
2017	6	73	2	14	19	0,451		117696	118004	161398	161706
2017	6	47	2	14	19	0,3649		53250	53379	75184	75277
2017	6	18	2	14	19	2,045	0	29752	30096	46588	47017
2017	6	27	2	14	19	1,6779	3,9654	33345	33463	54754	55492
2017	6	19	2	14	19	0,8141	4,0456	86144	86456	117081	117616
2017	6	13	2	14	19	1,2775		85076	85341	110970	112057
2017	6	54	2	14	19	1,043		57300	57477	81050	81652
2017	6	95	2	14	20	0	0,8333	520	520	1021	1021
2017	6	20	2	14	20	0,2718		38533	38601	56296	56350
2017	6	52	2	14	20	0,6107		59928	60154	79937	80126
2017	6	88	2	14	21	2,0202		14	14	97	99
2017	6	8	2	15	10	0,19		33780	33816	47770	47810
2017	6	68	2	15	10	0,5166		108010	108352	150017	150320
2017	6	76	2	15	10	0,3259		90098	90281	121404	121554
2017	6	99	2	15	17	0,1216	1,8613	1536	1536	3286	3290
2017	6	15	2	15	18	0,9719		201217	201910	267762	269462
2017	6	47	2	15	19	0,3475		57100	57211	80496	80620
2017	6	66	2	15	19	0,2709		45548	45618	59435	59505
2017	6	54	2	15	19	1,1849		55797	55977	81609	82322
2017	6	85	2	15	19	0,6753		56763	56974	85669	85932
2017	6	73	2	15	19	0,5485		120295	120709	168431	168779
2017	6	5	2	15	19	1,0409		385220	387062	509868	512779
2017	6	13	2	15	19	0,8474		88077	88410	115203	115750
2017	6	70	2	15	19	0,4244		71293	71461	92575	92751
2017	6	44	2	15	19	0,5005		17155	17201	25612	25672
2017	6	17	2	15	19	0,3837	2,6667	100566	100776	131827	132059
2017	6	20	2	15	19	0,3096		46255	46348	67705	67779
2017	6	95	2	15	19	0,5848	3,746	680	684	1161	1161
2017	6	23	2	15	19	0,4579		149273	149660	197798	198194
2017	6	25	2	15	19	1,5321		241992	244156	351612	353918
2017	6	27	2	15	19	2,2761	4,7553	33495	33647	55119	56148
2017	6	50	2	15	19	1,2295	0	79894	80523	120502	121049
2017	6	63	2	15	19	0,4199		43983	44059	57970	58114
2017	6	18	2	15	19	1,8467	1,7241	30025	30287	47896	48375
2017	6	19	2	15	19	0,6633	4,1749	94279	94580	129281	129730
2017	6	41	2	15	19	1,0428		102491	103166	140332	140883
2017	6	81	2	15	19	1,8936		32486	32952	55051	55320
2017	6	86	2	15	20	0,4576		33133	33201	49616	49742
2017	6	88	2	15	20	1,6807		33	33	117	119
2017	6	52	2	15	20	0,5832		64672	64883	86318	86542
2017	6	88	2	16	9	5,4422		38	38	139	147
2017	6	68	2	16	9	0,4557		117625	117972	157717	157973
2017	6	8	2	16	10	0,1782		38272	38304	51682	51731
2017	6	76	2	16	10	0,2709		94216	94369	124736	124872
2017	6	15	2	16	18	0,4228		219962	220521	288152	288642
2017	6	99	2	16	18	0,3675	2,2796	1683	1686	3679	3686
2017	6	20	2	16	19	0,2791		54192	54300	77121	77183
2017	6	5	2	16	19	0,6935		421817	423252	550185	552149
2017	6	18	2	16	19	1,8113	0	32253	32579	50145	50559
2017	6	73	2	16	19	0,4286		134056	134366	184624	184991
2017	6	41	2	16	19	0,7931		108838	109364	146821	147283
2017	6	23	2	16	19	0,5737		160197	160688	208738	209301
2017	6	25	2	16	19	4,2504		279723	287509	400301	406749
2017	6	66	2	16	19	0,2906		52076	52164	67099	67181
2017	6	63	2	16	19	0,3869		48710	48782	64110	64264
2017	6	52	2	16	19	0,5289		84027	84289	110367	110609
2017	6	54	2	16	19	0,8128		59739	59889	85020	85502
2017	6	13	2	16	19	1,0099		95909	96274	123978	124768
2017	6	50	2	16	19	1,1771	0	93132	93673	136471	137299
2017	6	95	2	16	19	0,4334	0	755	757	1177	1179
2017	6	17	2	16	19	0,4573	0,9434	115677	115940	151158	151508
2017	6	81	2	16	19	2,5266		32599	33252	55251	55570
2017	6	70	2	16	19	0,4348		77564	77725	99267	99494
2017	6	44	2	16	19	0,2676		16238	16269	24590	24609
2017	6	19	2	16	19	0,6058	3,082	100365	100667	136500	136920
2017	6	47	2	16	19	0,4252		62280	62439	86399	86547
2017	6	85	2	16	19	1,1764		65332	65800	96251	96704
2017	6	27	2	16	19	1,9138	5,7888	33780	33918	55457	56309
2017	6	86	2	16	20	0,3914		36402	36493	53988	54065
2017	6	68	2	17	10	0,375		109338	109569	146878	147120
2017	6	76	2	17	10	0,2904		96150	96302	126355	126523
2017	6	54	2	17	10	0,3241		63030	63145	88482	88608
2017	6	25	2	17	10	5,8401		296014	309118	413700	420734
2017	6	17	2	17	10	0,3585	5,1948	119698	119927	155848	156110
2017	6	41	2	17	10	1,6148		114156	115605	151908	152466
2017	6	8	2	17	10	0,201		36342	36387	49012	49050
2017	6	66	2	17	10	0,2119		52206	52274	67096	67151
2017	6	63	2	17	10	0,4052		51827	51888	68547	68745
2017	6	15	2	17	10	0,3657		206060	206500	270987	271402



## INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

## PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX_REST_DEP	POR_IN_LLA_NO_EX EBTS_REST_DEP	EXITOS_CANAL SENALIZA REST DEP	INTENT_CANAL SENALIZA REST DEP	EXITOS_CANAL TRAFICO RESTO DEP	INTENT_CANAL TRAFICO RESTO DEP
2017	6	5	2	17	10	0,3067		390649	391376	505959	506573
2017	6	88	2	17	16	1,8519		32	32	159	162
2017	6	85	2	17	19	0,7098		58346	58586	85343	85601
2017	6	50	2	17	19	1,3873	0,5236	88422	89151	130891	131647
2017	6	47	2	17	19	0,3514		58171	58294	81639	81754
2017	6	99	2	17	19	0,4569	2,5129	1273	1278	3032	3034
2017	6	70	2	17	19	0,4452		77805	77986	100901	101117
2017	6	81	2	17	19	2,2559		30558	31070	53047	53377
2017	6	73	2	17	19	0,5908		141666	142111	196946	197496
2017	6	19	2	17	19	0,7285	4,3089	102967	103386	140685	141143
2017	6	13	2	17	19	1,1898		91968	92377	120365	121275
2017	6	20	2	17	19	0,3356		49599	49704	71348	71437
2017	6	23	2	17	19	0,4729		160036	160435	209954	210427
2017	6	44	2	17	19	0,2572		17697	17724	26620	26648
2017	6	18	2	17	20	1,4334	1,2821	27550	27706	44282	44673
2017	6	86	2	17	20	0,456		36665	36760	54404	54512
2017	6	27	2	17	20	1,3504	5,2398	33545	33678	55546	56084
2017	6	95	2	17	20	0,5556	0,4545	537	540	960	960
2017	6	52	2	17	20	0,5055		73639	73865	99227	99426
2017	6	15	2	19	10	0,3652		191507	191927	253266	253638
2017	6	99	2	19	18	0,5603	0,8457	1482	1489	3309	3312
2017	6	8	2	19	19	0,1895		29339	29368	39593	39629
2017	6	54	2	19	19	1,8781		50159	50386	72376	73429
2017	6	95	2	19	19	0,3817	0	522	524	923	923
2017	6	50	2	19	19	0,7587	0,6993	71793	72059	108013	108437
2017	6	76	2	19	19	0,3152		82290	82429	109463	109624
2017	6	20	2	19	19	0,2666		46810	46888	66648	66715
2017	6	85	2	19	19	0,7896		51557	51728	76084	76436
2017	6	81	2	19	19	3,0783		29643	30383	50970	51308
2017	6	19	2	19	19	0,7041	5,5717	87525	87804	121042	121513
2017	6	13	2	19	19	1,0239		86622	86990	113825	114516
2017	6	44	2	19	19	0,3771		15317	15343	23028	23076
2017	6	5	2	19	19	0,5521		355305	356270	466004	467322
2017	6	25	2	19	19	2,0516		231081	233958	335112	337924
2017	6	68	2	19	19	0,4699		87449	87688	121050	121290
2017	6	73	2	19	19	0,5671		113524	113853	158040	158482
2017	6	23	2	19	19	0,4967		144804	145173	189932	190395
2017	6	41	2	19	19	0,941		93643	94214	126862	127291
2017	6	63	2	19	19	0,3887		43262	43316	56972	57123
2017	6	17	2	19	19	0,4148	3,6145	96075	96289	125693	125936
2017	6	47	2	19	19	0,3999		54061	54203	75091	75195
2017	6	27	2	19	19	2,2044	6,5751	33890	34054	54893	55860
2017	6	66	2	19	19	0,3358		45037	45105	58715	58824
2017	6	70	2	19	20	0,3665		57627	57741	76022	76151
2017	6	18	2	19	20	1,6199	0	23474	23645	37959	38305
2017	6	52	2	19	20	0,5985		60916	61135	81916	82114
2017	6	88	2	19	20	0		15	15	86	86
2017	6	86	2	19	20	0,4752		30045	30132	45368	45453
2017	6	76	2	20	10	0,2845		94441	94602	125630	125774
2017	6	25	2	20	10	5,7931		293398	306255	408085	414994
2017	6	8	2	20	10	0,2144		37628	37670	51399	51452
2017	6	15	2	20	10	0,4491		217222	217763	284763	285337
2017	6	68	2	20	10	0,6231		122770	123239	164728	165130
2017	6	66	2	20	10	0,209		49453	49510	63779	63839
2017	6	99	2	20	15	0,3572	2,4859	1796	1801	3755	3758
2017	6	54	2	20	19	0,9154		54663	54861	78978	79420
2017	6	73	2	20	19	0,8154		125710	126400	173680	174152
2017	6	41	2	20	19	0,7262		100718	101185	136162	136525
2017	6	85	2	20	19	0,7336		56558	56780	82861	83147
2017	6	17	2	20	19	0,4025	1,6529	102984	103213	135103	135348
2017	6	47	2	20	19	0,3919		60097	60250	84503	84620
2017	6	95	2	20	19	0,2551	0	664	664	1173	1176
2017	6	63	2	20	19	0,3845		44847	44915	58968	59106
2017	6	50	2	20	19	1,5206	0	83704	84445	123424	124230
2017	6	88	2	20	19	6,6409		37	38	163	170
2017	6	44	2	20	19	0,2778		17301	17330	26183	26212
2017	6	5	2	20	19	0,9906		395041	397618	515789	517573
2017	6	81	2	20	19	1,8649		31719	32148	54394	54688
2017	6	19	2	20	19	0,7676	6,4069	87717	88058	120548	121010
2017	6	27	2	20	19	3,0201	5,8986	33558	33803	55350	56660
2017	6	13	2	20	19	0,8817		92126	92407	120286	120987
2017	6	23	2	20	19	0,429		159205	159554	208860	209301
2017	6	20	2	20	19	0,3598		52277	52383	75322	75441
2017	6	70	2	20	19	0,3716		75996	76156	98088	98247
2017	6	18	2	20	20	1,9598	0	23090	23226	37454	37979
2017	6	86	2	20	20	0,3944		30485	30547	46304	46393
2017	6	52	2	20	20	1,1999		57088	57497	78461	78849
2017	6	8	2	21	10	0,2202		37576	37619	50900	50954
2017	6	76	2	21	10	0,2763		91225	91384	121877	122002



## INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

## PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX REST_DEP	POR_IN_LLA_NO_EX EBT REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP
2017	6	25	2	21	10	0,5921		280410	281338	390807	391838
2017	6	15	2	21	18	0,3847		217678	218168	284326	284783
2017	6	99	2	21	18	1,3812	1,1852	1798	1815	3771	3788
2017	6	13	2	21	19	0,8314		93476	93756	122114	122770
2017	6	44	2	21	19	0,7779		16104	16136	24481	24624
2017	6	66	2	21	19	0,2351		48778	48842	63289	63355
2017	6	47	2	21	19	0,3116		59742	59855	83638	83741
2017	6	63	2	21	19	0,3428		47589	47661	62358	62478
2017	6	18	2	21	19	2,0825	0	31534	31891	49517	50004
2017	6	20	2	21	19	0,2356		53611	53693	77025	77089
2017	6	5	2	21	19	0,9206		369539	370819	484905	487721
2017	6	68	2	21	19	0,4666		105759	106029	144655	144963
2017	6	73	2	21	19	1,5204		127038	128234	175942	176992
2017	6	81	2	21	19	1,7063		33486	33902	56810	57087
2017	6	17	2	21	19	0,4624	10,5263	105754	105989	138157	138491
2017	6	70	2	21	19	0,3635		76182	76341	98840	98994
2017	6	95	2	21	19	0,083	0	693	693	1204	1205
2017	6	54	2	21	19	0,9346		54918	55074	78632	79149
2017	6	85	2	21	19	0,866		60863	61188	90310	90615
2017	6	50	2	21	19	0,981	2,0833	89348	89827	131373	131967
2017	6	41	2	21	19	0,5291		105296	105630	141557	141860
2017	6	23	2	21	19	1,5754		153262	154403	203933	205666
2017	6	19	2	21	19	0,9471	4,3707	94702	95060	129176	129920
2017	6	27	2	21	20	4,3991	5,6647	28990	29185	47917	49787
2017	6	86	2	21	20	0,407		34311	34395	50795	50878
2017	6	88	2	21	20	5,4848		85	87	267	276
2017	6	52	2	21	20	0,6353		63986	64225	85332	85558
2017	6	66	2	22	10	0,2488		48588	48662	62902	62963
2017	6	76	2	22	10	0,342		90262	90454	120618	120775
2017	6	8	2	22	10	0,2481		36785	36828	50118	50184
2017	6	25	2	22	10	0,4663		284477	285162	395293	396191
2017	6	63	2	22	10	0,3252		47757	47807	63240	63380
2017	6	68	2	22	10	0,5521		118596	119020	159469	159783
2017	6	85	2	22	18	0,672		69425	69690	100098	100392
2017	6	15	2	22	18	0,3653		212859	213297	279070	279518
2017	6	99	2	22	18	0,5838	2,0641	1761	1769	3778	3783
2017	6	23	2	22	19	1,313		156612	158104	205486	206255
2017	6	5	2	22	19	0,6354		388064	389355	509477	511035
2017	6	44	2	22	19	0,2892		16928	16953	26029	26066
2017	6	13	2	22	19	0,8194		90004	90267	117202	117826
2017	6	47	2	22	19	0,3253		58599	58721	83133	83231
2017	6	88	2	22	19	8,8596		59	62	204	213
2017	6	27	2	22	19	3,5384	4,8975	33252	33480	53541	55127
2017	6	70	2	22	19	0,3602		73710	73857	95819	95974
2017	6	18	2	22	19	2,0531	11,1111	31423	31771	49189	49670
2017	6	50	2	22	19	0,7445	3,1612	89554	89963	130444	130825
2017	6	41	2	22	19	0,6922		105617	106051	141786	142190
2017	6	17	2	22	19	0,4121	8,5579	101160	101384	132834	133089
2017	6	54	2	22	19	0,8995		54433	54604	78079	78541
2017	6	81	2	22	19	1,1673		31051	31319	52659	52825
2017	6	73	2	22	19	0,5677		129815	130221	180660	181125
2017	6	19	2	22	19	1,1238	7,9223	90123	90693	122168	122780
2017	6	20	2	22	19	0,2659		52122	52214	75620	75688
2017	6	95	2	22	20	0	0	694	694	1094	1094
2017	6	52	2	22	20	0,6806		64087	64378	84736	84931
2017	6	86	2	22	20	0,4113		33141	33202	49459	49572
2017	6	8	2	23	10	0,2188		38100	38143	51764	51819
2017	6	88	2	23	10	7,7909		81	85	269	278
2017	6	68	2	23	10	0,4562		122026	122368	163376	163666
2017	6	76	2	23	10	0,2993		91650	91803	121787	121949
2017	6	15	2	23	18	0,354		225727	226145	295692	296194
2017	6	23	2	23	19	0,5198		162974	163389	215194	215769
2017	6	18	2	23	19	3,2333	0	33481	34142	53481	54198
2017	6	25	2	23	19	0,6512		287125	288026	412566	413971
2017	6	5	2	23	19	0,5061		413570	414591	542107	543523
2017	6	63	2	23	19	0,3621		48706	48786	63880	64007
2017	6	95	2	23	19	0,2168	1,6216	716	717	1291	1292
2017	6	47	2	23	19	0,3677		61738	61875	86494	86621
2017	6	20	2	23	19	0,2455		53037	53113	76975	77054
2017	6	52	2	23	19	0,384		79275	79462	103839	103994
2017	6	73	2	23	19	0,5773		135684	136083	188628	189167
2017	6	81	2	23	19	0,7893		34417	34605	58078	58222
2017	6	41	2	23	19	0,978		113096	113684	152786	153497
2017	6	17	2	23	19	0,4538	6,4103	110727	110958	145477	145836
2017	6	86	2	23	19	0,4494		39466	39559	58518	58644
2017	6	54	2	23	19	0,6645		56510	56654	81834	82172
2017	6	44	2	23	19	0,2828		18729	18764	27959	27986
2017	6	85	2	23	19	0,3814		64142	64272	93957	94126
2017	6	50	2	23	19	1,9823	1,3514	91859	93051	134730	135694





## INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

## PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO EX_REST_DEP	POR_IN_LLA_NO EX EBT_REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP
2017	6	19	2	23	19	1,1647	4,1625	99821	100382	135237	136066
2017	6	99	2	23	19	0,3059	2,6943	1565	1567	3355	3361
2017	6	70	2	23	19	0,3832		77263	77423	100411	100589
2017	6	27	2	23	19	0,9166	1,7556	36091	36185	58376	58763
2017	6	13	2	23	19	0,613		93723	93909	121684	122192
2017	6	66	2	23	19	0,308		51769	51854	67116	67213
2017	6	41	2	24	10	0,5154		122261	122659	162018	162329
2017	6	25	2	24	10	0,5095		305643	306478	428548	429569
2017	6	8	2	24	10	0,2521		35483	35526	48694	48758
2017	6	17	2	24	10	0,3303	5,4512	114043	114262	148865	149072
2017	6	68	2	24	10	0,5		119403	119769	160688	161002
2017	6	76	2	24	10	0,2938		95127	95290	125909	126064
2017	6	15	2	24	10	0,3471		213040	213475	278853	279254
2017	6	5	2	24	10	0,3117		397338	398114	518254	518861
2017	6	66	2	24	10	0,243		52200	52272	67274	67345
2017	6	52	2	24	19	0,4266		83259	83471	109021	109210
2017	6	85	2	24	19	0,3811		52140	52236	77233	77386
2017	6	50	2	24	19	0,5819	0	86509	86811	126578	126876
2017	6	23	2	24	19	1,4666		165399	166492	217968	219760
2017	6	63	2	24	19	0,407		54216	54298	71200	71383
2017	6	95	2	24	19	0,2263	0	719	720	1141	1142
2017	6	81	2	24	19	1,1197		28865	29089	48638	48810
2017	6	47	2	24	19	0,3561		60701	60842	85723	85830
2017	6	73	2	24	19	0,927		145406	146115	203836	204745
2017	6	70	2	24	19	0,4238		79164	79337	103591	103805
2017	6	19	2	24	19	1,2584	4,8403	102248	102725	138270	139382
2017	6	99	2	24	19	2,3067	1,8996	1156	1170	2640	2670
2017	6	13	2	24	19	0,6143		91149	91367	118761	119210
2017	6	20	2	24	19	0,2733		51819	51911	74716	74788
2017	6	54	2	24	19	0,6703		57765	57905	83907	84269
2017	6	18	2	24	19	2,4481	2,2727	31813	32319	50301	50756
2017	6	86	2	24	20	0,7515		34619	34749	51806	52003
2017	6	44	2	24	20	0,2835		16023	16053	24778	24802
2017	6	27	2	24	20	1,0995	4,2904	30371	30466	51853	52266
2017	6	88	2	24	21	1,5385		31	31	128	130
2017	6	15	2	25	10	0,3731		202556	202980	269353	269797
2017	6	88	2	25	13	6,9364		42	42	161	173
2017	6	95	2	25	18	0,3899	0	731	732	1180	1183
2017	6	68	2	25	19	0,6831		99707	100078	141167	141611
2017	6	76	2	25	19	0,4835		87897	88107	122196	122497
2017	6	47	2	25	19	0,4005		50314	50427	71720	71847
2017	6	70	2	25	19	0,4039		73813	73976	97652	97832
2017	6	99	2	25	19	0,3324	2,461	1342	1343	3091	3099
2017	6	17	2	25	19	0,469	2,7778	103100	103339	136507	136833
2017	6	23	2	25	19	1,4916		149207	150077	199840	201690
2017	6	50	2	25	19	0,4458	0,8475	85147	85354	125378	125634
2017	6	41	2	25	19	0,6369		105299	105734	144072	144399
2017	6	63	2	25	19	0,4865		49467	49546	65733	65949
2017	6	25	2	25	19	2,2441		278600	281560	411583	416605
2017	6	19	2	25	19	0,6715	5,9316	94310	94638	129613	130037
2017	6	5	2	25	19	4,1301		412880	418736	555118	570935
2017	6	18	2	25	19	2,2019	0	32653	32953	51946	52632
2017	6	13	2	25	19	0,6234		79948	80138	105974	106386
2017	6	66	2	25	19	0,3832		51012	51093	67851	68004
2017	6	85	2	25	19	0,4341		52957	53082	79198	79356
2017	6	8	2	25	19	0,1848		28426	28450	38762	38801
2017	6	73	2	25	19	0,7396		129793	130304	183135	183776
2017	6	27	2	25	19	1,1559	4,3231	35386	35498	57165	57651
2017	6	81	2	25	20	1,1503		24244	24462	41965	42075
2017	6	54	2	25	20	1,0233		42844	43022	64136	64531
2017	6	20	2	25	20	0,2387		37303	37362	54324	54368
2017	6	44	2	25	20	0,3717		12029	12057	19284	19311
2017	6	52	2	25	20	0,8847		67520	67930	91326	91585
2017	6	86	2	25	20	0,4281		30707	30776	46401	46496
2017	6	63	2	26	10	0,3372		43348	43408	57111	57225
2017	6	88	2	26	10	1,8605		50	50	211	215
2017	6	15	2	26	10	0,3866		196812	197245	261717	262156
2017	6	99	2	26	18	0,369	1,9043	1350	1355	2828	2828
2017	6	95	2	26	18	0,1021	0,5464	637	637	978	979
2017	6	70	2	26	19	0,3902		70197	70351	91871	92029
2017	6	85	2	26	19	0,4384		48972	49079	73201	73363
2017	6	81	2	26	19	0,5396		28756	28859	49538	49629
2017	6	19	2	26	19	0,7991	3,3534	84494	84948	115823	116132
2017	6	23	2	26	19	0,6263		144377	144873	191417	191964
2017	6	47	2	26	19	0,4108		52736	52870	74669	74787
2017	6	73	2	26	19	0,66		114317	114756	159311	159756
2017	6	5	2	26	19	0,6141		345801	346805	456777	458269
2017	6	17	2	26	19	0,4389	0	93447	93658	123950	124216
2017	6	8	2	26	19	0,182		27323	27350	37168	37199



INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA MEDICION RESTO_DEPTO	POR IN LLA_NO EX REST_DEP	POR IN LLA_NO EX EBTS_REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP
2017	6	25	2	26	19	0,8225		227690	228788	332375	333523
2017	6	68	2	26	19	0,5034		87705	87949	121979	122256
2017	6	18	2	26	19	3,0174	9,8039	27054	27470	43167	43836
2017	6	27	2	26	19	1,3786	3,4422	33774	33871	55259	55871
2017	6	13	2	26	19	0,5886		82399	82585	108894	109292
2017	6	66	2	26	19	0,3448		45644	45713	59617	59733
2017	6	54	2	26	19	1,2577		46994	47333	68022	68395
2017	6	20	2	26	19	0,301		46224	46310	67457	67535
2017	6	76	2	26	19	0,2992		77242	77373	104366	104502
2017	6	41	2	26	19	0,8333		94768	95259	130704	131123
2017	6	50	2	26	19	0,4594	1,0989	71398	71580	106263	106482
2017	6	44	2	26	19	0,325		14830	14859	23032	23062
2017	6	86	2	26	20	0,3815		28776	28844	43757	43821
2017	6	52	2	26	20	0,6884		61677	61954	83963	84167
2017	6	8	2	27	10	0,1466		37741	37769	51001	51038
2017	6	25	2	27	10	0,4385		300248	300934	421287	422178
2017	6	5	2	27	10	0,3154		391551	392296	510926	511569
2017	6	68	2	27	10	1,2836		126748	127465	170711	171958
2017	6	76	2	27	10	0,2391		93957	94096	124428	124542
2017	6	15	2	27	10	0,3275		229041	229470	299303	299725
2017	6	99	2	27	18	0,4249	1,8868	1716	1720	3624	3631
2017	6	88	2	27	18	4,184		45	46	143	146
2017	6	85	2	27	19	0,5051		62047	62189	91669	91924
2017	6	50	2	27	19	0,4755	3,094	90171	90381	130145	130463
2017	6	73	2	27	19	0,4586		128722	129040	178724	179105
2017	6	63	2	27	19	0,3191		47613	47671	62602	62726
2017	6	81	2	27	19	0,8256		33714	33885	56548	56731
2017	6	17	2	27	19	0,3713	0	103141	103355	134634	134856
2017	6	13	2	27	19	0,7265		91130	91351	119841	120426
2017	6	41	2	27	19	1,0759		109858	110649	147974	148514
2017	6	70	2	27	19	0,4067		77685	77838	100956	101169
2017	6	19	2	27	19	2,0384	5,1949	91973	93294	125274	126070
2017	6	54	2	27	19	0,7112		54622	54736	78973	79373
2017	6	66	2	27	19	0,2573		48091	48159	62722	62795
2017	6	23	2	27	19	0,9346		157380	158082	206810	207834
2017	6	47	2	27	19	0,3744		61032	61171	85964	86091
2017	6	44	2	27	19	0,332		17504	17539	26348	26383
2017	6	86	2	27	20	0,4612		34551	34645	51912	52011
2017	6	27	2	27	20	2,1149	5,4248	29716	29843	49658	50515
2017	6	18	2	27	20	2,3526	3,3333	26063	26358	41959	42489
2017	6	95	2	27	20	0,1799	2,8428	555	556	926	926
2017	6	20	2	27	20	0,376		43648	43754	64795	64882
2017	6	52	2	27	20	0,6855		65860	66143	87503	87730
2017	6	8	2	28	10	0,2343		37362	37416	51002	51048
2017	6	66	2	28	10	0,1799		49098	49155	63959	64000
2017	6	25	2	28	10	0,4747		291685	292438	408303	409194
2017	6	63	2	28	10	0,2938		49597	49651	65721	65843
2017	6	15	2	28	10	0,2725		226218	226567	297273	297626
2017	6	5	2	28	10	0,371		379734	380507	502176	503022
2017	6	99	2	28	10	0,3163	2,0558	1676	1677	3495	3504
2017	6	76	2	28	10	0,2832		93372	93518	124025	124183
2017	6	88	2	28	18	1,2097		55	55	245	248
2017	6	95	2	28	18	0,3043	0,4367	723	724	1200	1202
2017	6	81	2	28	19	1,5459		33402	33739	57955	58277
2017	6	19	2	28	19	4,0657	5,059	93609	96528	129300	130704
2017	6	20	2	28	19	0,3093		52804	52901	77578	77676
2017	6	23	2	28	19	0,5994		158012	158454	210628	211307
2017	6	85	2	28	19	0,402		61918	62026	91777	91987
2017	6	68	2	28	19	0,4971		109815	110108	152038	152391
2017	6	50	2	28	19	0,524	0	90519	90820	134325	134585
2017	6	44	2	28	19	0,2711		18147	18176	27723	27754
2017	6	47	2	28	19	0,4189		61217	61360	87870	88034
2017	6	18	2	28	19	1,3448	0	32140	32388	51109	51409
2017	6	41	2	28	19	0,9999		109127	109883	149810	150282
2017	6	73	2	28	19	1,3332		128471	129532	180613	181554
2017	6	13	2	28	19	0,6342		89952	90153	118881	119373
2017	6	54	2	28	19	0,4323		55515	55629	80570	80754
2017	6	17	2	28	19	0,7108	5,4945	106104	106501	141586	142068
2017	6	52	2	28	20	1,2664		63338	63829	86388	86823
2017	6	27	2	28	20	1,5499	5,922	29418	29535	51197	51797
2017	6	86	2	28	20	0,3455		32122	32180	49452	49534
2017	6	70	2	28	20	0,3654		62688	62803	83613	83766
2017	6	88	2	29	9	6,2733		80	82	220	229
2017	6	76	2	29	10	0,2917		93283	93458	123094	123223
2017	6	68	2	29	10	0,5301		129066	129483	174519	174884
2017	6	63	2	29	10	0,2618		50828	50879	67300	67409
2017	6	25	2	29	10	1,0457		292228	293548	409597	412064
2017	6	5	2	29	10	0,3956		386307	387098	505279	506249
2017	6	66	2	29	10	0,2308		49620	49693	64223	64277



## INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

## PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX_REST_DEP	POR_IN_LLA_NO_EX EBTS_REST_DEP	EXITOS CANAL SENALIZA REST DEP	INTENT CANAL SENALIZA REST DEP	EXITOS CANAL TRAFICO RESTO DEP	INTENT CANAL TRAFICO RESTO DEP
2017	6	8	2	29	10	0,2434		37944	37991	51687	51749
2017	6	15	2	29	10	0,3144		223374	223758	291919	292337
2017	6	99	2	29	10	0,3038	1,6897	1626	1629	3333	3337
2017	6	20	2	29	19	0,301		52964	53073	77171	77245
2017	6	85	2	29	19	0,4024		57853	57972	85897	86067
2017	6	13	2	29	19	0,6492		95800	96013	125768	126309
2017	6	17	2	29	19	0,4657	4,3478	105738	105969	138208	138552
2017	6	47	2	29	19	5,2137		62622	64756	87410	89179
2017	6	19	2	29	19	1,6077	4,4362	94965	95989	128781	129489
2017	6	86	2	29	19	0,3671		37687	37766	56767	56857
2017	6	18	2	29	19	1,9541	2	29480	29686	46605	47204
2017	6	23	2	29	19	0,5808		157737	158131	208061	208755
2017	6	81	2	29	19	0,8438		32838	33043	55486	55611
2017	6	41	2	29	19	2,0671		119058	120595	163234	164555
2017	6	95	2	29	19	0,0824	1,4286	739	739	1212	1213
2017	6	73	2	29	19	0,6968		133658	134213	184767	185294
2017	6	54	2	29	19	0,5035		56721	56884	82086	82265
2017	6	50	2	29	19	0,4837	1,9367	88475	88719	129711	129983
2017	6	52	2	29	20	0,5489		67667	67905	89717	89896
2017	6	44	2	29	20	0,2944		15415	15448	23456	23475
2017	6	70	2	29	20	0,3737		63914	64034	84514	84672
2017	6	27	2	29	20	1,4682	5,3956	28903	29016	47954	48479
2017	6	68	2	30	10	1,4714		128529	129882	175192	175956
2017	6	25	2	30	10	0,4608		300194	300920	416614	417533
2017	6	76	2	30	10	0,2532		96950	97106	128286	128405
2017	6	8	2	30	10	0,1916		38633	38671	52426	52475
2017	6	85	2	30	18	0,3819		69313	69445	99716	99908
2017	6	15	2	30	18	0,3508		235343	235779	309373	309888
2017	6	66	2	30	19	0,2751		54095	54171	69551	69645
2017	6	19	2	30	19	1,3549	4,6925	105519	106112	142499	143649
2017	6	81	2	30	19	1,2038		32501	32802	55591	55752
2017	6	54	2	30	19	0,7193		59917	60047	85896	86331
2017	6	13	2	30	19	0,8624		97648	98013	127450	128080
2017	6	73	2	30	19	0,5958		140830	141313	195652	196152
2017	6	52	2	30	19	0,4988		87259	87579	114119	114272
2017	6	41	2	30	19	1,0076		124111	124938	170388	170983
2017	6	63	2	30	19	0,2992		54874	54935	72081	72217
2017	6	47	2	30	19	0,4204		64138	64310	90514	90653
2017	6	27	2	30	19	1,0321	5,6255	39766	39878	64155	64642
2017	6	99	2	30	19	0,45	1,0204	1654	1660	3373	3376
2017	6	50	2	30	19	0,6863	6,9307	93738	94073	136554	137008
2017	6	70	2	30	19	0,3609		81336	81483	104867	105057
2017	6	44	2	30	19	0,2424		19081	19110	28604	28630
2017	6	5	2	30	19	0,7608		446716	448299	582558	584951
2017	6	95	2	30	19	0,2223	1,0417	704	705	1240	1241
2017	6	20	2	30	19	0,3184		56127	56246	80224	80310
2017	6	23	2	30	19	0,5361		176866	177251	233007	233754
2017	6	17	2	30	19	1,2179	2,5	124233	124801	163044	164303
2017	6	86	2	30	19	0,4339		42845	42951	63312	63431
2017	6	18	2	30	19	1,8969	2,6316	31537	31841	48837	49306
2017	6	88	2	30	20	4,3478		22	23	157	157
2017	6	97	2	11	19		3,8095				
2017	6	97	2	29	19		3,3036				
2017	6	94	2	21	10		3,1998				
2017	6	91	2	27	21		3,81				
2017	6	94	2	13	18		0				
2017	6	91	2	26	19		6,1268				
2017	6	94	2	4	9		1,9231				
2017	6	97	2	9	13		3,787				
2017	6	91	2	23	19		8,9231				
2017	6	91	2	19	20		4,8577				
2017	6	94	2	29	9		0				
2017	6	97	2	15	19		4,1502				
2017	6	94	2	11	19		1,8868				
2017	6	97	2	26	20		1,8919				
2017	6	94	2	25	20		0				
2017	6	97	2	16	19		6,5647				
2017	6	97	2	12	21		2,1794				
2017	6	94	2	23	10		0				
2017	6	97	2	19	10		1,3745				
2017	6	91	2	1	20		7,4955				
2017	6	91	2	12	20		3,4252				
2017	6	94	2	1	19		0				
2017	6	97	2	7	19		7,5227				
2017	6	94	2	27	19		0,6993				
2017	6	91	2	24	19		8,3619				
2017	6	97	2	30	9		1,737				
2017	6	94	2	10	19		0				
2017	6	91	2	21	20		4,9148				



INDICADORES DE CALIDAD PARA COMUNICACIONES VOZ MOVIL - JUNIO 2017

PORC\_LLAMADA\_NO\_EXITOSA\_3G

AÑO	MES	ID DPTO	ID ZONA	DIA MEDICION	HORA_MEDICION RESTO_DEPTO	POR_IN_LLA_NO_EX REST_DEP	POR_IN_LLA_NO_EX EBTS_REST_DEP	EXITOS_CANAL SENALIZA REST DEP	INTENT_CANAL SENALIZA REST DEP	EXITOS_CANAL TRAFICO RESTO DEP	INTENT_CANAL TRAFICO RESTO DEP
2017	6	97	2	1	20		3,2584				
2017	6	97	2	14	17		4,9799				
2017	6	97	2	28	11		2,9938				
2017	6	97	2	3	10		2,2635				
2017	6	97	2	6	18		5,8793				
2017	6	97	2	20	19		4,7829				
2017	6	94	2	7	16		0,5882				
2017	6	94	2	19	19		0				
2017	6	91	2	29	19		3,8777				
2017	6	91	2	9	20		5,8075				
2017	6	91	2	20	19		4,3712				
2017	6	91	2	4	20		5,0592				
2017	6	94	2	17	20		2,2727				
2017	6	91	2	5	19		2,8766				
2017	6	94	2	5	20		0				
2017	6	97	2	25	19		3,2289				
2017	6	97	2	4	19		3,7073				
2017	6	97	2	22	10		2,6701				
2017	6	91	2	13	19		17,1894				
2017	6	97	2	24	20		4,1771				
2017	6	94	2	22	16		0				
2017	6	91	2	14	18		4,8112				
2017	6	94	2	15	19		0				
2017	6	91	2	8	20		3,0856				
2017	6	94	2	8	19		0				
2017	6	97	2	27	20		3,4229				
2017	6	97	2	10	11		6,0822				
2017	6	91	2	7	19		2,9203				
2017	6	94	2	3	20		0				
2017	6	94	2	9	18		0				
2017	6	94	2	26	19		0				
2017	6	94	2	28	9		0				
2017	6	91	2	6	19		3,5492				
2017	6	91	2	11	20		4,4581				
2017	6	91	2	2	20		3,8519				
2017	6	97	2	21	20		3,5806				
2017	6	97	2	17	11		2,7884				
2017	6	94	2	16	11		0				
2017	6	94	2	12	19		0				
2017	6	94	2	2	19		0,5682				
2017	6	91	2	15	20		10,5816				
2017	6	91	2	3	20		4,3466				
2017	6	91	2	17	20		6,1023				
2017	6	91	2	16	20		3,27				
2017	6	94	2	20	19		2,063				
2017	6	97	2	2	15		5,0483				
2017	6	97	2	13	19		3,3901				
2017	6	91	2	28	20		5,5929				
2017	6	91	2	30	20		4,7645				
2017	6	91	2	25	20		6,1887				
2017	6	94	2	6	15		2,5219				
2017	6	94	2	30	18		2,439				
2017	6	91	2	10	19		5,8058				
2017	6	94	2	14	19		2,6316				
2017	6	91	2	22	19		7,4292				
2017	6	97	2	5	18		1,6004				
2017	6	97	2	23	10		1,7041				
2017	6	94	2	24	20		0				
2017	6	97	2	8	19		4,1403				