

#### WIRELESS TELEGRAPHY ACT, 1926 WIRELESS TELEGRAPHY (THIRD GENERATION AND GSM MOBILE TELEPHONY LICENCE) (AMENDMENT) REGULATIONS, 2003

Amended Licence under Section 5 of the Wireless Telegraphy Act, 1926, to keep and have possession of apparatus for wireless telegraphy for the purpose of providing 3G and GSM mobile telephony.

The Comission for Communication Regulation, in exercise of the powers conferred on it by section 5 (as substituted by section 182 of the Broadcasting Act 2009 (No. 18 of 2009)) of the Wireless Telegraphy Act, 1926 (No. 45 of 1926), hereby grants to **Vodafone Ireland Ltd of Mountain View, Leopardstown Dublin 18**, ("the Licensee") authorisation to keep, have possession of, install, maintain, work and use the apparatus as specified in the Schedule 2 of this Licence, in the places specified in Schedule 1 of this Licence and subject to the terms and conditions as set out in the Wireless Telegraphy (Third Generation and GSM Mobile Telephony Licence) (Amendment) Regulations, 2003 (S.I. No. 340 of 2003), including but not limited to, the following:

- 1. The Licensee shall ensure that it complies with the geographical and technical conditions contained within Schedules 1 to 3 to this licence;
- 2. The Licensee will ensure that it makes payments of the spectrum access fees as outlined in the Regulations;
- 3. The Licensee shall ensure that it complies with all the commitments contained within Schedule 5 of the licence which were made by the Licensee in the course of a comparative evaluation selection procedure, prior to the granting of the Original Licence.

This Licence amends the licence which came into effect 16 October 2013 (the "Licence Commencement Date") and all amendments thereafter and, subject to revocation, suspension or withdrawal, expires on 15 October 2014 ("the Licence Expiry Date").

GIVEN under the official seal of the Commission for Communications Regulation, this day

For and on behalf of the Commission for Communications Regulation

 $\frac{Schedule\ 1}{Places\ at\ which\ the\ Licensee\ is\ authorised\ by\ this\ Licence\ to\ keep\ and\ have\ possession\ of\ 3G\ apparatus.}$ 

No.	Site I.D.	Easting	Northing
1	CE015	144931	160831
2	CE019	133675	177104
3	CE028	147902	160362
4	CE031	106187	181934
5	CE036	133801	179524
6	CE037	141844	163964
7	CE038	135034	173783
8	CE039	139073	161193
9	CE046	151323	159761
10	CE047	164201	184431
11	CE056	148930	167641
12	CE058	155132	172459
13	CE059	137864	160441
14	CE061	86173	157480
15	CE067	140753	162170
16	CE070	138307	171258
17	CE072	147515	165680
18	CE082	170122	172880
19	CE083	139675	162393
20	CE084	136987	179118
21	CE085	106011	179258
22	CE089	133178	175955
23	CE092	109652	187560
24	CEENR	133971	177770
25	CEKNN	114467	188878
26	CEKRH	99308	155434
27	CK005	129908	89832
28	CK013	162572	70621
29	CK021	161702	77081
30	CK022	171640	63339
31	CK027	173121	76123
32	CK030	122320	38127
33	CK034	156558	59340
34	CK039	130867	108953
35	CK044	145321	44314

No.	Site I.D.	Easting	Northing
36	CK047	178946	73411
37	CK048	166819	56777
38	CK052	170869	74490
39	CK053	167002	72074
40	CK054	167670	71550
41	CK055	167474	72051
42	CK056	164073	63310
43	CK057	165079	69517
44	CK073	151955	57955
45	CK082	155617	69632
46	CK083	180428	106125
47	CK090	181590	99215
48	CK099	190482	68949
49	CK103	168030	72265
50	CK106	188023	73222
51	CK107	68620	45813
52	CK111	167542	69192
53	CK112	196249	73704
54	CK115	179092	61175
55	CK117	176581	68560
56	CK126	155159	98605
57	CK129	167614	69838
58	CK141	149580	54470
59	CK143	160635	46936
60	CK144	170910	72456
61	CK145	178454	69323
62	CK146	171110	67432
63	CK147	181415	72761
64	CK154	159820	74140
65	CK163	164459	67202
66	CK165	209941	75984
67	CK169	167737	73862
68	CK171	115449	65516
69	CK173	92738	31571
70	CK176	199736	63896
71	CK179	159857	70734
72	CK184	183526	62578
73	CK188	172608	70100
74	CK195	141400	121110
75	CK196	104734	26353

No.	Site I.D.	Easting	Northing
76	CK198	146732	73598
77	CK199	167668	71818
78	CK204	168887	68421
79	CK213	199759	67391
80	CK216	175991	71744
81	CK219	166911	71622
82	CK221	168075	71597
83	CK222	166431	69193
84	CK224	167406	71654
85	CK227	172960	62788
86	CK229	166722	66438
87	CK235	167388	72338
88	CK236	171845	70539
89	CK245	139802	43822
90	CK253	154078	104061
91	CK255	188845	71597
92	CK257	164766	72936
93	CK259	168441	72616
94	CK263	168428	70492
95	CK264	169463	71816
96	CK265	176187	63987
97	CK266	173101	67388
98	CK268	174608	72054
99	CK269	170022	69638
100	CK272	166404	70222
101	CK274	153908	108023
102	CK278	155041	46461
103	CK294	139528	37855
104	CK298	169737	68567
105	CK299	171217	71181
106	CK302	162178	69404
107	CK306	167787	72511
108	CK307	172232	70764
109	CK311	168274	73199
110	CK312	168755	76343
111	CK320	169766	73384
112	CK323	166880	72282
113	CK324	167205	72830
114	CK327	163297	70456
115	CK329	169691	67425

No.	Site I.D.	Easting	Northing
116	CK330	168495	72348
117	CK332	166308	71037
118	CK333	166483	70943
119	CK334	166573	69584
120	CK335	169270	70186
121	CK336	168729	71050
122	CK340	172626	68593
123	CK342	164427	69784
124	CK349	168378	73744
125	CK352	153532	122869
126	CK353	188112	73788
127	CK354	148937	54948
128	CK355	163709	50509
129	CK356	138500	41688
130	CK357	112498	33561
131	CK358	165808	72430
132	CK359	157524	69562
133	CK362	165322	70776
134	CK365	167143	68201
135	CK369	128541	36559
136	CK371	181171	98456
137	CK375	210865	77280
138	CK376	174399	62938
139	CK377	178380	66911
140	CK379	155550	97582
141	CK380	138100	103140
142	CK384	176339	66589
143	CK385	163823	51057
144	CK392	168987	72504
145	CK393	154173	108771
146	CK394	67531	45766
147	CK395	169887	71106
148	CK397	164770	72433
149	CK401	175899	84064
150	CK402	155578	66306
151	CK403	173391	73599
152	CK449	166726	71603
153	CK604	165616	71287
154	CK605	175885	69423
155	CK607	120174	34296

No.	Site I.D.	Easting	Northing
156	CK610	93046	56708
157	CK614	169344	71396
158	СКАНА	150498	67051
159	CKBAI	161505	75584
160	CKCHF	166297	73450
161	CKCKA	168338	66296
162	CKDGS	170064	69323
163	CKDYX	165117	71016
164	CKE01	179678	66930
165	CKE28	122919	53269
166	CKE38	153750	122500
167	CKE45	139012	103690
168	CKE53	133903	72130
169	CKE78	210258	77424
170	CKGHS	197249	91404
171	CKICA	158632	72289
172	CKKDR	171085	110518
173	CKKLH	200281	76634
174	CKLQY	167983	71848
175	СКМАН	172095	71081
176	CKMLW	155915	98627
177	CKMSE	181466	112015
178	CKQKR	167710	71001
179	CKRIS	178730	63993
180	CKSRN	100270	46929
181	CKWGL	176558	84551
182	CKWHP	164858	70154
183	CN003	244375	304432
184	CN005	241983	305081
185	CN008	277970	295866
186	CN009	253900	291786
187	CN015	242187	304421
188	CN018	225822	320029
189	CN021	228995	316489
190	CN033	230453	307466
191	CN050	239148	300285
192	CN051	234436	316780
193	CN054	260365	289545
194	CN055	267941	296467
195	CN057	251656	290349

No.	Site I.D.	Easting	Northing
196	CN058	208124	338098
197	CN066	239431	305949
198	CN070	260209	315083
199	CNSGA	246387	300734
200	CW002	286563	173230
201	CW014	289047	161455
202	CW015	272588	177686
203	CW018	297084	180375
204	CW035	272096	161333
205	CW037	273558	151473
206	CW040	272729	176991
207	CW045	278004	176339
208	CW047	271215	177726
209	CW048	273659	177303
210	CW049	271683	177273
211	CW051	275203	178662
212	CW052	270419	161703
213	CW053	272223	177118
214	CW055	273055	175913
215	CW056	274583	175008
216	CW500	272045	176603
217	DL017	213925	434690
218	DL020	245338	445363
219	DL024	217180	414473
220	DL025	187708	379144
221	DL063	262515	441991
222	DL066	188761	432359
223	DL103	192876	378416
224	DL105	218324	412172
225	DL108	176915	376090
226	DL109	214028	394574
227	DL111	221413	399906
228	DL112	182242	359076
229	DL119	187644	361528
230	DL120	213294	412883
231	DL123	219311	426659
232	DL124	260319	438632
233	DL126	226066	403740
234	DL127	181998	394227
235	DL128	201674	437328

No.	Site I.D.	Easting	Northing
236	DL129	236526	433866
237	DL131	216400	410524
238	DL132	216972	411950
239	DL134	173655	390247
240	DL2LD	231866	398545
241	DLBEG	181680	424465
242	DLBTA	192063	369969
243	DLDLO	176800	411828
244	DLE12	234725	432317
245	DLFCA	193506	432216
246	DLKBS	171750	376701
247	DLLKY	217001	411522
248	DLMHL	223558	404846
249	DLSOR	216110	393793
250	DN002	316204	245214
251	DN011	313156	239650
252	DN029	315542	231456
253	DN030	316483	237643
254	DN033	317635	233164
255	DN036	312453	229942
256	DN040	314159	233747
257	DN041	326569	227307
258	DN047	319248	237188
259	DN050	314168	235343
260	DN051	316506	230813
261	DN055	316622	230060
262	DN058	312299	227129
263	DN067	315358	232708
264	DN073	319025	231933
265	DN077	318303	247443
266	DN083	315284	234010
267	DN089	310685	226961
268	DN090	322798	226894
269	DN091	316737	232554
270	DN094	319141	229897
271	DN097	328616	239329
272	DN099	320512	224443
273	DN101	315065	225521
274	DN103	322501	243500
275	DN104	306467	235103

No.	Site I.D.	Easting	Northing
276	DN105	324301	226940
277	DN110	319835	252033
278	DN111	317304	225705
279	DN112	310748	228986
280	DN113	313134	240951
281	DN115	318346	240635
282	DN116	309547	232651
283	DN117	305935	240232
284	DN119	316087	232801
285	DN121	308418	240738
286	DN124	316284	234145
287	DN126	309005	225809
288	DN128	313153	228199
289	DN129	306042	226832
290	DN132	318077	226462
291	DN133	309985	227587
292	DN138	313782	234275
293	DN144	308229	228236
294	DN145	317998	263740
295	DN146	324588	228244
296	DN148	311151	232058
297	DN152	315715	233110
298	DN153	313379	235074
299	DN160	314418	233304
300	DN163	322976	240397
301	DN164	309957	234311
302	DN165	315186	237750
303	DN167	307807	226989
304	DN168	319230	238397
305	DN171	306488	229978
306	DN172	315012	234355
307	DN173	309870	226338
308	DN175	315345	235386
309	DN176	323956	224316
310	DN177	317279	227700
311	DN178	317360	227647
312	DN179	320625	227705
313	DN189	316792	235289
314	DN191	308038	236898
315	DN192	307894	231076

No.	Site I.D.	Easting	Northing
316	DN195	315210	233888
317	DN198	313397	225788
318	DN199	314432	230517
319	DN1AR	316517	234763
320	DN1FN	311604	233668
321	DN200	312261	227858
322	DN201	308249	226432
323	DN204	311802	233085
324	DN211	302073	226700
325	DN214	309753	227341
326	DN215	303569	232144
327	DN217	308881	233510
328	DN218	309676	230738
329	DN220	326558	226868
330	DN227	323719	227804
331	DN235	318048	228386
332	DN237	323775	220260
333	DN240	321680	227877
334	DN242	318557	227920
335	DN246	325219	227913
336	DN247	321397	228711
337	DN249	325240	224167
338	DN250	307996	238582
339	DN251	315536	229549
340	DN252	319215	224017
341	DN253	316512	231799
342	DN256	323764	228789
343	DN257	319726	226054
344	DN258	318910	232808
345	DN261	318081	232571
346	DN265	311959	228924
347	DN270	317308	231847
348	DN273	321150	224889
349	DN274	317603	228963
350	DN276	310928	233577
351	DN278	320330	230107
352	DN279	323316	228634
353	DN280	318361	232888
354	DN281	324164	228525
355	DN282	319261	231265

No.	Site I.D.	Easting	Northing
356	DN284	316808	225653
357	DN286	323460	224927
358	DN287	323427	222667
359	DN288	316164	228619
360	DN291	322004	223560
361	DN292	320972	227042
362	DN293	315279	226829
363	DN294C	320022	226124
364	DN294H	319988	226114
365	DN294L	319940	226104
366	DN295	320015	226084
367	DN296	315666	231463
368	DN297	325007	225530
369	DN300	303633	227316
370	DN301	313199	231099
371	DN302	310378	230554
372	DN303	310831	225167
373	DN304	312214	231775
374	DN305	307201	230375
375	DN307	317155	229425
376	DN310	313207	228881
377	DN311	323268	227403
378	DN313	318987	220515
379	DN314	319390	226689
380	DN316	325042	227298
381	DN317	325948	225977
382	DN318	324285	228850
383	DN319	317775	229696
384	DN320	318796	224846
385	DN322	319657	229772
386	DN323	324238	223199
387	DN324	315078	230419
388	DN327	320058	227903
389	DN328	319273	228822
390	DN330	318730	226974
391	DN332	316829	226502
392	DN334	318474	233461
393	DN335	318320	232052
394	DN338	320493	225443
395	DN340	318156	225647

No.	Site I.D.	Easting	Northing
396	DN341	315514	229099
397	DN343	307201	225421
398	DN344	315495	232088
399	DN348	321796	228367
400	DN349	319882	230613
401	DN352	326117	219497
402	DN353	320329	226943
403	DN354	317656	230738
404	DN356	321360	229428
405	DN358	308142	228620
406	DN360	308741	227522
407	DN362	312788	233597
408	DN365	303100	234198
409	DN366	302327	235005
410	DN368	309660	233744
411	DN369	307671	232418
412	DN370	314742	231145
413	DN371	302562	232213
414	DN372	307229	234874
415	DN373	311440	231680
416	DN374	311266	227839
417	DN376	304649	228000
418	DN377	305115	234180
419	DN378	312163	230780
420	DN379	313187	230323
421	DN380	303336	235317
422	DN382	309291	228571
423	DN384	314696	227860
424	DN385	312543	233049
425	DN386	309405	231859
426	DN387	305616	227672
427	DN389	301709	228335
428	DN390	308442	223422
429	DN392	311225	230520
430	DN393	305743	234293
431	DN394	305806	228623
432	DN395	314418	230081
433	DN396	306996	231684
434	DN397	314807	231752
435	DN400	310095	228503

No.	Site I.D.	Easting	Northing
436	DN401	313041	235469
437	DN404	298320	231120
438	DN406	325797	239222
439	DN407	309881	232325
440	DN409	315004	232720
441	DN413	312816	243485
442	DN416	313083	248356
443	DN417	304545	228775
444	DN419	316874	234903
445	DN420	315553	234522
446	DN421	310737	226361
447	DN422	303921	230932
448	DN423	308306	235247
449	DN427	304317	232909
450	DN429	322794	239522
451	DN430	316210	235569
452	DN432	309424	233966
453	DN433	309921	241394
454	DN434	317054	247821
455	DN435	315751	235723
456	DN436	322903	250215
457	DN441	315456	242163
458	DN442	321305	238050
459	DN447	313870	233916
460	DN451	313844	232804
461	DN453	315827	233569
462	DN454	315572	235366
463	DN459	304485	233384
464	DN461	314557	234625
465	DN463	318068	235718
466	DN470	316791	234518
467	DN471	322521	246182
468	DN472	315791	234187
469	DN475	315423	257882
470	DN477	317631	238720
471	DN478	317246	236551
472	DN479	315297	236674
473	DN480	316152	236636
474	DN481	308310	232625
475	DN483	307955	236271

No.	Site I.D.	Easting	Northing
476	DN484	315462	235864
477	DN485	312719	236295
478	DN488	324600	243750
479	DN491	318883	239869
480	DN492	318288	237722
481	DN493	315709	232503
482	DN498	320984	254770
483	DN499	326352	254154
484	DN501	313619	237318
485	DN504	317066	242090
486	DN506	316039	235533
487	DN509	305032	242471
488	DN510	317746	243946
489	DN511	323151	246093
490	DN513	316306	237239
491	DN514	312048	239853
492	DN515	317097	238261
493	DN517	319750	239256
494	DN518	308976	237098
495	DN519	316140	233022
496	DN522	318596	234762
497	DN524	315848	233752
498	DN531	318702	238641
499	DN532	322275	239855
500	DN533	309050	236024
501	DN535	319438	236438
502	DN536	318445	241670
503	DN537	320803	240929
504	DN540	313871	236088
505	DN541	317789	243346
506	DN542	309214	241617
507	DN544	320340	263659
508	DN546	303646	241195
509	DN555	318243	246652
510	DN556	303609	236499
511	DN565	315360	234260
512	DN569	315704	235513
513	DN570	315958	234317
514	DN572	314943	234720
515	DN573	317473	233447

No.	Site I.D.	Easting	Northing
516	DN575	316557	233771
517	DN576	314636	232493
518	DN577	316218	233160
519	DN578	316849	233647
520	DN579	315612	232848
521	DN580	310351	237733
522	DN583	312122	240576
523	DN584	312396	238456
524	DN585	308964	237986
525	DN588	313603	240035
526	DN589	314711	238213
527	DN590	316560	239372
528	DN591	315868	238648
529	DN596	318711	237269
530	DN599	322000	239150
531	DN600	322766	238875
532	DN617	316233	234330
533	DN618	314077	235540
534	DN619	313174	237166
535	DN620	324620	240240
536	DN623	316736	237797
537	DN624	321369	238320
538	DN625	325115	255388
539	DN627	303099	237993
540	DN629	324576	259924
541	DN630	315472	235165
542	DN634	315646	234197
543	DN635	317040	234511
544	DN636	318330	246896
545	DN637	311527	242834
546	DN641	314838	234112
547	DN642	323702	244192
548	DN644	310845	235840
549	DN647	317025	233974
550	DN648	315849	233532
551	DN649	313387	233081
552	DN650	315841	234277
553	DN654	315175	246378
554	DN655	318954	248997
555	DN656	308575	241429

No.	Site I.D.	Easting	Northing
556	DN657	314752	234479
557	DN658	303600	239928
558	DN659	316131	234722
559	DN660	317474	239411
560	DN661	311031	237123
561	DN663	318236	246360
562	DN664	315775	235269
563	DN665	315245	234750
564	DN671	305489	241595
565	DN673	305045	238041
566	DN675	309365	240632
567	DN677	314187	251518
568	DN678	316324	235941
569	DN680	317990	240535
570	DN681	317206	235808
571	DN684	313195	239169
572	DN685	306397	238330
573	DN686	303874	239448
574	DN687	314735	233836
575	DN704	315432	233520
576	DN707	316091	235260
577	DN708	312009	235708
578	DN709	314002	239189
579	DN710	314499	234379
580	DN712	317500	236210
581	DN713	317960	235259
582	DN714	317051	235961
583	DN716	313681	238215
584	DN725	317774	235640
585	DN731	315395	238262
586	DN735	306087	238988
587	DN738	315452	239762
588	DN739	314772	235778
589	DN745	320296	236971
590	DN746	317991	237439
591	DN747	314928	234222
592	DN759	304500	241120
593	DN760	305391	240915
594	DN763	307734	242164
595	DN765	306955	239629

No.	Site I.D.	Easting	Northing
596	DN769	310047	240045
597	DN771	307252	241257
598	DN776	307025	239175
599	DN782	307303	236282
600	DN784	317272	234517
601	DN786	306750	243900
602	DN788	315589	246799
603	DN791	317145	245511
604	DN792	319221	244752
605	DN794	320325	246773
606	DN795	320137	245241
607	DN796	324360	245363
608	DN801	324675	249379
609	DN819	318876	253862
610	DN822	315561	234645
611	DN823	314923	240549
612	DN824	328535	239180
613	DN826	327313	237858
614	DN830	313547	234474
615	DN831	318543	236261
616	DN832	315798	232741
617	DN836	321227	239134
618	DN837	321689	240396
619	DN842	316682	234096
620	DN843	315968	233986
621	DN851	309831	237504
622	DN852	320445	238042
623	DN854	307796	238946
624	DN855	308899	227485
625	DN856	317282	249519
626	DN859	314172	228787
627	DN861	317188	234188
628	DN862	315639	233776
629	DN864	306497	232854
630	DN865	303213	235066
631	DN866	316748	236479
632	DN867	312351	231221
633	DN869	316061	234562
634	DN872	319132	246469
635	DN873	319751	264192

No.	Site I.D.	Easting	Northing
636	DN875	309208	230358
637	DN877	318218	235088
638	DN879	312997	233739
639	DN880	316295	233476
640	DN881	304915	231038
641	DN882	300850	235299
642	DN885	322980	242360
643	DN888	317562	234234
644	DN901	317787	231903
645	DN903	317877	234584
646	DN907	311672	236164
647	DN910	312810	240612
648	DN911	313937	234461
649	DN912	316752	240770
650	DN913	315639	234108
651	DN914	312810	240612
652	DN915	315355	233403
653	DN917	317520	234790
654	DN922	316908	232649
655	DN923	317611	232833
656	DN924	319185	231024
657	DN925	305302	226968
658	DN932	306769	233839
659	DN938	310184	233055
660	DN940	312192	233766
661	DN941	316115	233530
662	DN949	315739	233289
663	DN951	312583	229329
664	DN952	313575	231793
665	DN969	315729	234865
666	DN970	317980	233042
667	DN971	318140	233112
668	DN979	315744	234100
669	DN981	316937	243171
670	DN996	315804	233507
671	DNABC	315591	233628
672	DNABS	317670	231512
673	DNAGI	299331	227303
674	DNBDE	323285	239731
675	DNBDT	307240	239314

No.	Site I.D.	Easting	Northing
676	DNBE1	314218	226821
677	DNBLB	313424	226918
678	DNBLP	320331	239840
679	DNBM1	315553	239079
680	DNBS1	307112	239327
681	DNBW1	300313	233141
682	DNCAB	313029	236041
683	DNCF1	315925	232431
684	DNCI1	318087	236169
685	DNCLD	306099	231352
686	DNCMB	316729	233818
687	DNCME	306681	238037
688	DNCP1	311006	239827
689	DNCRL	312005	231335
690	DNDAP	316753	243271
691	DNDBN	314066	233428
692	DNDCT	315706	233966
693	DNDND	317129	228872
694	DNDOC	320168	235111
695	DNDP1	318211	234798
696	DNDSD	315976	236204
697	DNEA1	315912	234539
698	DNES1	316740	233270
699	DNFOX	322107	226224
700	DNFTZ	316586	232844
701	DNGML	314771	232318
702	DNGS3	315956	233791
703	DNHB1	313366	232659
704	DNIGB	317812	233888
705	DNIN1	310651	232806
706	DNITE	315973	235025
707	DNJWT	315874	234701
708	DNLCN	304621	235231
709	DNMB1	315468	233953
710	DNMB2	315378	233932
711	DNMHD	322960	245470
712	DNMNA	315374	230049
713	DNMOW	320560	258442
714	DNNGE	315646	227933
715	DNNSB	317027	235498

No.	Site I.D.	Easting	Northing
716	DNNUT	318440	230830
717	DNPAL	307884	234073
718	DNPH1	319494	233778
719	DNPRP	319966	228536
720	DNRD1	318269	231732
721	DNRD2	318049	232283
722	DNRTM	317686	223040
723	DNSAN	316461	240050
724	DNSBS	317819	245630
725	DNSDA	319355	226329
726	DNSDX	313983	231281
727	DNSE1	316226	233818
728	DNSKL	325246	221658
729	DNSL1	315509	240817
730	DNTLH	308896	228024
731	DNTPH	321688	229209
732	DNTRE	314098	230108
733	DNTS1	314729	233317
734	DNTST	314849	233872
735	DNTWR	315007	236007
736	DNTY1	315455	234572
737	DNVIC	324019	225927
738	DNWA1	310469	231577
739	DNWAL	311203	230988
740	DNWR1	309994	245364
741	DNWSE	308764	231321
742	DX014	313408	234095
743	DX021	316238	234531
744	DX058	317762	230503
745	DX060	316939	233489
746	DX073	319865	250792
747	DX074	318065	236727
748	DX083	314930	235020
749	DX087	320278	225845
750	DX094	318125	232028
751	DX109	321253	236202
752	DX137	325732	253235
753	DX141	317896	233555
754	DX146	321253	224056
755	DX148	316530	235475

No.	Site I.D.	Easting	Northing
756	DX174	323500	226000
757	DX181	317696	227566
758	DX189	318020	239920
759	DX301	316560	235840
760	DX302	316513	235864
761	DX303	316465	235851
762	DX304	316444	235916
763	GY002	131239	228195
764	GY008	139185	241773
765	GY021	124711	225030
766	GY022	128065	225390
767	GY032	122152	223683
768	GY034	137173	232987
769	GY037	127663	223660
770	GY038	130926	226442
771	GY041	134741	222359
772	GY045	164394	246480
773	GY047	128372	227052
774	GY048	144744	228662
775	GY049	142090	223087
776	GY075	131899	226017
777	GY078	96331	227818
778	GY079	185266	204434
779	GY080	119914	222689
780	GY081	131434	225079
781	GY085	127959	244777
782	GY089	151052	263330
783	GY090	129768	225166
784	GY093	127928	224682
785	GY096	130010	225962
786	GY099	180530	230486
787	GY101	137210	231200
788	GY102	133583	227967
789	GY113	129597	226472
790	GY116	132342	225791
791	GY124	130146	225604
792	GY125	126113	224894
793	GY128	127792	225922
794	GY129	68576	262813
795	GY132	127578	224194

No.	Site I.D.	Easting	Northing
796	GY133	128334	223903
797	GY138	130147	225231
798	GY141	132735	240082
799	GY144	185189	230898
800	GY145	138530	234971
801	GY146	141509	201378
802	GY148	130653	225968
803	GY149	163016	216988
804	GY150	133967	228746
805	GY152	115412	256701
806	GY155	143814	248491
807	GY156	134061	225762
808	GY159	137440	228625
809	GY162	130355	225158
810	GY163	130041	225287
811	GY164	128789	224581
812	GY165	126530	223666
813	GY167	65739	250599
814	GY169	137708	225798
815	GY170	130355	226668
816	GY171	174402	212551
817	GY172	129551	225048
818	GY173	134725	225828
819	GY176	127705	224808
820	GY179	128443	224274
821	GY184	129126	225654
822	GY187	130694	227992
823	GY188	131655	227137
824	GY190	132751	227561
825	GY191	133315	226970
826	GY192	132551	226588
827	GY198	132268	225169
828	GY203	124769	228878
829	GY204	150677	231421
830	GY205	145162	202109
831	GY209	162036	216382
832	GY210	112013	242728
833	GY211	121436	232615
834	GY213	123114	222929
835	GY215	143618	251957

No.	Site I.D.	Easting	Northing
836	GY223	129660	224970
837	GY556	134128	227256
838	GY564	144006	252755
839	GYANR	150223	227773
840	GYBEH	186857	231929
841	GYGAL	129834	225366
842	GYKRN	88408	209154
843	GYLGH	161101	217085
844	GYMVW	132152	227021
845	GYOME	138024	224357
846	GYSLA	129027	225154
847	GYTBY	125964	227358
848	GYTEP	150482	221211
849	GYTUM	143417	252049
850	KE011	285167	213908
851	KE013	278340	223632
852	KE014	275664	201493
853	KE015	288510	216323
854	KE017	293154	222816
855	KE018	287616	212473
856	KE023	263121	210411
857	KE024	284452	210077
858	KE026	272864	212459
859	KE027	288969	224072
860	KE030	291739	215898
861	KE031	292590	210302
862	KE033	298382	237133
863	KE046	286793	228954
864	KE048	283841	223769
865	KE051	289162	218590
866	KE052	291277	220597
867	KE053	295277	235818
868	KE054	291388	236917
869	KE055	293162	234188
870	KE056	277784	211605
871	KE057	284871	221574
872	KE059	269149	194081
873	KE066	299508	236614
874	KE067	289341	222707
875	KE068	279762	215646

No.	Site I.D.	Easting	Northing
876	KE070	297708	233002
877	KE072	280980	197115
878	KE079	288774	221579
879	KE081	300843	236002
880	KE082	287932	227369
881	KE083	289156	218004
882	KE085	288699	239123
883	KE090	283574	226065
884	KE092	272998	212344
885	KE093	271237	211270
886	KE094	294022	237535
887	KE096	299036	234722
888	KE100	301103	237149
889	KE101	263312	210125
890	KE102	282917	209187
891	KE106	290514	222056
892	KE107	280380	214819
893	KE110	277480	184857
894	KE113	281539	215844
895	KE118	266767	220331
896	KE133	298645	236973
897	KE178	296148	232567
898	KE202	277574	213633
899	KEA3J	292559	221930
900	KEA4H	285129	218536
901	KEA5C	278728	213165
902	KEAMN	267746	193687
903	KECEL	296959	233685
904	KECM1	279447	214716
905	KECYE	269222	212178
906	KEDNU	280420	215058
907	KEG4K	285201	241242
908	KEKC1	291785	229506
909	KELEX	300045	235954
910	КЕМНЕ	293614	238038
911	KEMHS	268337	242710
912	KENAS	289201	219418
913	KK006	256910	175053
914	KK011	263101	136952
915	KK027	258863	140436

No.	Site I.D.	Easting	Northing
916	KK040	262860	152242
917	KK044	250067	154875
918	KK047	250771	157253
919	KK052	241185	143420
920	KK053	249218	150390
921	KK060	252454	165642
922	KK063	270090	143577
923	KK067	254303	135458
924	KK074	240150	164655
925	KK075	251802	154273
926	KK081	249251	156636
927	KK089	265788	160260
928	KK091	249822	157664
929	KK092	252657	157417
930	KK093	255551	121491
931	KK094	266699	115892
932	KK098	258624	141968
933	KK099	245049	171289
934	KK100	255268	143869
935	KK101	253386	172286
936	KK102	253576	155013
937	KK106	251250	156236
938	KK109	251072	154606
939	KK112	254252	149607
940	KK113	250664	155696
941	KK114	247499	176083
942	KKBAP	233230	167740
943	KKKYC	252159	156058
944	KY012	91740	124619
945	KY028	37750	107450
946	KY038	83786	114426
947	KY053	96034	91748
948	KY056	113898	97240
949	KY058	80825	99552
950	KY062	98641	133891
951	KY069	78601	120944
952	KY072	94037	103280
953	KY074	113710	118945
954	KY077	41871	99175
955	KY078	83013	114058

No.	Site I.D.	Easting	Northing
956	KY090	100307	109956
957	KY091	116818	93162
958	KY108	83515	114567
959	KY121	50189	66491
960	KY122	85881	116588
961	KY123	98931	133630
962	KY124	86406	141254
963	KY126	85458	113655
964	KY128	106861	147632
965	KY129	97001	89010
966	KY130	62058	113494
967	KY142	98234	90734
968	KY143	99932	109641
969	KY144	99143	133865
970	KY146	75625	127898
971	KY147	77373	96326
972	KY148	86646	141261
973	KY149	47422	79509
974	KY152	68823	66856
975	KY153	85736	114722
976	KY155	96645	90593
977	KY551	83022	115968
978	KYAVN	104471	89146
979	KYDGE	44775	100590
980	KYE06	99542	92542
981	KYECV	46530	80929
982	KYEHL	92251	91655
983	KYEK1	94251	70787
984	KYKEA	89892	71097
985	KYKKV	37568	69913
986	KYKLN	96289	90805
987	KYKLQ	99240	90821
988	KYKRG	77496	96555
989	KYLTL	97170	135122
990	KYTWV	84197	114659
991	LD010	212510	281759
992	LD013	213039	276866
993	LD017	215349	285775
994	LD042	215787	256965
995	LD047	225868	271931

No.	Site I.D.	Easting	Northing
996	LD050	212888	275370
997	LD056	213196	275486
998	LDLOD	214678	276033
999	LH001	297983	283296
1000	LH002	304387	292185
1001	LH004	308043	310427
1002	LH005	322506	310238
1003	LH007	306213	311522
1004	LH008	295084	292998
1005	LH011	314049	283145
1006	LH028	302823	301228
1007	LH029	305893	295616
1008	LH030	308072	273905
1009	LH033	309880	274844
1010	LH035	306027	309158
1011	LH037	303453	307337
1012	LH039	308950	275150
1013	LH045	306009	287955
1014	LH047	305503	284227
1015	LH048	305633	276247
1016	LH050	305736	304475
1017	LH051	303928	306715
1018	LH052	308631	275198
1019	LH054	296318	290627
1020	LH056	305116	305532
1021	LH057	304838	307163
1022	LH058	304772	307811
1023	LH062	305542	281520
1024	LH063	306561	278346
1025	LH064	307378	273700
1026	LH065	311016	276472
1027	LH066	305064	277919
1028	LH070	307422	303058
1029	LH072	294577	298797
1030	LH075	309237	275038
1031	LH076	304439	310275
1032	LH077	306169	306833
1033	LH078	318794	311747
1034	LH079	314177	316685
1035	LH080	309086	276639

No.	Site I.D.	Easting	Northing
1036	LH081	305112	302475
1037	LH082	302582	305296
1038	LH085	307258	316746
1039	LH091	305737	293292
1040	LHDBC	308669	275575
1041	LHDDK	304896	306912
1042	LK006	128011	133859
1043	LK007	157485	157195
1044	LK008	145088	143869
1045	LK013	151349	148877
1046	LK014	134269	140346
1047	LK018	128211	153738
1048	LK022	159692	157014
1049	LK024	157867	157610
1050	LK025	162409	158436
1051	LK034	160097	154177
1052	LK039	161353	127958
1053	LK043	146227	147434
1054	LK046	157694	157154
1055	LK048	112564	134982
1056	LK050	155791	152515
1057	LK052	142311	154293
1058	LK054	170978	135734
1059	LK060	156344	154480
1060	LK062	161819	157179
1061	LK063	156518	158311
1062	LK067	137920	130246
1063	LK068	160819	155560
1064	LK073	161410	158160
1065	LK074	156672	156361
1066	LK077	154930	155616
1067	LK078	158889	155969
1068	LK080	157954	156841
1069	LK082	157353	156567
1070	LK083	163000	154354
	LK086	153422	154102
	LK087	156649	153831
1073	LK088	155859	157743
1074	LK089	155598	159431
1075	LK090	153745	158483

No.	Site I.D.	Easting	Northing
1076	LK092	152960	148996
1077	LK094	158362	157731
1078	LK095	165692	156784
1079	LK096	159114	155568
1080	LK097	133505	151330
1081	LK098	147328	152146
1082	LK099	155986	156163
1083	LK100	147309	146100
1084	LK104	162707	157304
1085	LK108	157292	157361
1086	LK112	163872	156940
1087	LK115	112214	126919
1088	LK116	157487	157024
1089	LK119	155730	154236
1090	LK120	151268	141386
1091	LK121	136290	141729
1092	LK123	162891	136325
1093	LK124	137933	121087
1094	LK127	155691	151778
1095	LK129	125299	151483
1096	LK131	158220	155315
1097	LK132	155258	153182
1098	LK135	157912	157036
1099	LKAFE	111285	126160
1100	LKATD	159168	159402
1101	LKCCL	166351	162566
1102	LKCHD	155122	157733
1103	LKEL1	157162	155679
1104	LKLKD	155922	153227
1105	LKLMK	157705	156806
1106	LM017	213146	310729
1107	LM019	197166	310935
1108	LM027	181763	329094
1109	LM028	195346	299440
1110	LM041	208716	296807
1111	LMCKN	193679	299612
1112	LMMRN	188786	339537
1113	LS002	255763	211604
1114	LS003	247146	197039
1115	LS008	231259	195478

No.	Site I.D.	Easting	Northing
1116	LS022	245193	207592
1117	LS030	246806	198572
1118	LS041	248875	199049
1119	LS050	226845	178505
1120	LS054	254398	212456
1121	LSAXR	245504	184447
1122	LSKIE	260637	208810
1123	LSMRE	253570	203438
1124	LSPAN	254293	211988
1125	LSPGS	246469	197960
1126	MH002	301492	242563
1127	MH003	296986	252176
1128	MH004	277355	240062
1129	MH005	276216	244148
1130	MH007	304006	268964
1131	MH009	279403	269397
1132	MH012	299775	246349
1133	MH015	287144	267689
1134	MH020	312634	267542
1135	MH022	282095	291749
1136	MH023	287854	265054
1137	MH024	260291	244915
1138	MH026	286298	268922
1139	MH028	301268	242291
1140	MH031	283573	283892
1141	MH033	271769	265704
1142	MH035	285653	266971
1143	MH038	271477	264072
1144	MH039	255242	280238
1145	MH041	306407	252464
1146	MH042	307823	252551
1147	MH045	295962	274322
1148	MH048	284124	248716
1149	MH052	304079	261041
1150	MH054	282653	259793
1151	MH058	279640	248866
1152	MH059	314261	273388
1153	MH060	286904	267876
1154	MH063	287993	266292
1155	МН066	287585	271210

No.	Site I.D.	Easting	Northing
1156	MH068	301743	249221
1157	MH069	289594	267321
1158	MH070	293856	274057
1159	MH072	287225	289871
1160	MH074	283491	265031
1161	MH075	297445	264588
1162	MH077	279879	255815
1163	MH078	288666	266846
1164	MH082	291722	263041
1165	MH085	299637	267401
1166	MH086	295965	270072
1167	MH088	275056	275536
1168	MH090	273884	276014
1169	MH100	277922	241117
1170	MH111	316349	271355
1171	MH117	281915	256085
1172	MH118	264797	244199
1173	MH119	289539	240158
1174	MH121	315312	266870
1175	MH124	311615	273744
1176	MH127	305272	253028
1177	MH1UB	302571	243198
1178	MHABE	305006	254076
1179	MHCSK	265077	274478
1180	MHNAV	286833	267165
1181	MHRAT	301911	251826
1182	MHWD1	291111	248807
1183	MN006	273117	319337
1184	MN008	266079	334555
1185	MN009	256040	329582
1186	MN014	292943	307853
1187	MN025	285626	314713
1188	MN027	277028	306744
1189	MN035	285687	302245
1190	MN041	257672	324642
1191	MN044	287011	302966
1192	MN045	283458	304884
1193	MN054	262425	335345
1194	MN066	268117	343764
1195	MN068	282748	319510

No.	Site I.D.	Easting	Northing
110	6 MN069	267358	334113
	7 MN070	281379	319713
	8 MN072	268238	334755
	9 MNCCS	284137	303851
	0 MNCNE	250571	326335
	1 MNEMG	267524	333154
	2 MNMON	267095	333755
	3 MO004	114519	290342
	4 MO009	86618	323249
	5 MO018	119085	330922
	6 MO022	81850	279605
	7 MO025	113899	317546
	8 MO037	127064	286185
	9 MO045	127473	253651
	0 MO046	98925	282169
121	1 MO054	147918	302060
121	2 MO055	127392	304388
121	3 MO061	124738	320670
121	4 MO067	98527	293636
121	5 MO077	124227	318928
121	6 MO078	135312	274974
121	7 MO081	125826	318684
121	8 MO092	115400	290450
121	9 MO097	134344	289401
122	0 MO099	138887	282506
122	1 MO102	149430	279478
122	2 MO107	99926	284486
122	3 MO108	137510	299437
122	4 MO111	86543	333472
122	5 MO114	116545	290086
	6 MOBLA	123833	318437
	7 MOBML	70718	332072
	8 MOBRE	118931	264508
	9 MOCBR	114755	290059
	0 MOCMH	133659	275659
	1 MOKAP	147101	296431
	2 MOWSH	99956	283949
	3 OY010	205906	204705
	4 OY014	234010	225159
	5 OY015	222587	205516
123	201013	222367	203310

No.	Site I.D.	Easting	Northing
1226	OY018	22.42.5.4	222022
		234354	222922
	OY033	252342	234505
	OY037	233295	224701
	OY038	202386	216071
	OY043	263274	232562
	OY044	236417	218854
1242	OY048	208887	223734
1243	OY058	220656	212855
1244	OY062	244367	226423
1245	OY067	232545	226382
1246	OY068	225804	233168
1247	OY070	207230	202955
1248	OYAAN	234236	227861
1249	OYEDY	262629	232204
1250	RN012	192956	298704
1251	RN014	187986	263840
1252	RN039	167920	279846
1253	RN048	189291	258225
1254	RN049	204734	286614
1255	RN052	186626	313936
1256	RN053	193214	281115
1257	RN054	200176	239373
	RN056	200784	246424
	RN060	158077	277069
	RN063	185256	266239
	RN065	180361	302694
	RN066	161951	294783
	RNCRE	168652	279662
	RNFPK	173447	291380
	SO005	166254	315603
	SO008	167523	339081
	SO024	128884	329861
	SO032	170038	335527
	SO033	169111	336072
	SO036	171700	354504
	SO049	169301	335914
	SO058	161140	336470
	SO060	166899	329564
	SO071	167969	325667
1275	SO073	170009	337060

No.	Site I.D.	Easting	Northing
1276	SO074	167920	335253
1277	SOCGN	166251	346786
1278	SORTD	168413	336138
1279	SOTCY	152112	311864
1280	TY003	203762	180060
1281	TY004	190670	136155
1282	TY005	186479	138909
1283	TY013	201167	166024
1284	TY014	215230	151472
1285	TY020	219088	124234
1286	TY025	213815	188769
1287	TY031	186436	177118
1288	TY033	220403	122540
1289	TY038	208688	139804
1290	TY039	203794	126064
1291	TY054	210820	171010
1292	TY057	188984	136028
1293	TY060	189158	135934
1294	TY067	240087	121659
1295	TY068	208630	154555
1296	TY076	212096	158157
1297	TY078	211296	171773
1298	TY079	198902	176657
1299	TY087	207764	140786
1300	TY088	212800	158259
1301	TY094	186944	178965
1302	TY097	222477	123218
1303	TY109	219188	122187
1304	TY555	223943	123323
1305	TYECR	205518	124956
1306	TYNNH	186941	179508
1307	TYRSA	213876	189175
1308	TYTHS	212357	158735
1309	WD005	226055	93006
1310	WD006	248357	111846
1311	WD012	205666	95037
1312	WD017	258089	101297
1313	WD019	228229	121728
1314	WD020	261938	110968
1315	WD022	261179	112374

No.	Site I.D.	Easting	Northing
1316	WD024	211961	77853
1317	WD025	246605	115165
1318	WD026	269222	100075
1319	WD028	258049	110923
1320	WD030	218285	112513
1321	WD032	218555	79438
1322	WD045	245044	101460
1323	WD049	262910	103821
1324	WD051	238971	101972
1325	WD054	236970	97804
1326	WD063	260652	112214
1327	WD067	263769	110280
1328	WD074	260694	110478
1329	WD075	260425	112653
1330	WD076	262561	110955
1331	WD080	259578	111964
1332	WD084	257560	101619
1333	WD085	260064	110830
1334	WD095	260736	111772
1335	WD096	261204	112069
1336	WD097	257185	111220
1337	WD101	225439	93664
1338	WD104	262415	110394
1339	WD106	258670	109734
1340	WD108	261198	109790
1341	WD109	263391	111146
1342	WD110	262771	112695
1343	WD113	260446	112383
1344	WD116	256006	99598
1345	WD119	255529	111573
1346	WD121	223711	95195
1347	WD124	260153	112723
1348	WD128	264007	115538
1349	WD606	257093	110348
1350	WD610	227821	95478
1351	WDET7	238648	120447
1352	WDGGD	220928	120970
1353	WDGLH	259302	112565
1354	WDHRN	267659	104171
1355	WDKMT	239394	106402

No.	Site I.D.	Easting	Northing
1356	WDWTD	260864	112449
1357	WH006	216321	239537
1358	WH008	208733	238370
1359	WH012	206995	242004
1360	WH013	203709	241484
1361	WH016	244829	250836
1362	WH017	205123	242940
1363	WH029	237213	236301
1364	WH032	245739	253735
1365	WH033	243870	253155
1366	WH040	205862	241256
1367	WH041	200752	241237
1368	WH043	233320	237373
1369	WH045	246635	270821
1370	WH056	247003	252392
1371	WH060	246907	240362
1372	WH068	250980	250450
1373	WH069	204343	241514
1374	WH070	241789	251576
1375	WH071	241658	254443
1376	WH074	201689	241381
1377	WH080	204302	241490
1378	WH551	206645	242200
1379	WHLIN	255703	252718
1380	WHMGR	243670	252869
1381	WHRSL	204450	241950
1382	WW004	323280	172545
1383	WW005	295741	208109
1384	WW007	285828	189604
1385	WW014	319081	202839
1386	WW021	286804	188242
1387	WW024	313178	178203
1388	WW027	306746	171673
1389	WW029	328430	193127
1390	WW030	327014	218681
1391	WW031	323346	217998
1392	WW033	327798	203190
1393	WW036	326536	206429
1394	WW040	331727	193869
1395	WW042	298219	214337

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No.	Site I.D.	Easting	Northing
1396	WW044	318974	188043
1397	WW046	301595	163120
1398	WW052	326185	217935
1399	WW054	329806	212145
1400	WW056	329627	211003
1401	WW057	331411	185459
1402	WW058	325015	175405
1403	WW060	327505	197685
1404	WW062	298634	215839
1405	WW063	329319	207456
1406	WW065	325727	210957
1407	WW066	324498	173253
1408	WW067	326508	216854
1409	WW069	328705	206282
1410	WW071	321689	216500
1411	WW072	322392	217200
1412	WW073	303306	172834
1413	WW074	325516	217287
1414	WW076	328337	212965
1415	WW079	330860	194767
1416	WW088	325041	173616
1417	WWBAG	331120	192536
1418	WWBRR	326308	218545
1419	WWDEL	327099	212570
1420	WWSFD	288328	194514
1421	WX008	285390	133032
1422	WX011	303967	121500
1423	WX024	300745	129270
1424	WX026	315470	159678
1425	WX028	286344	125180
1426	WX030	287233	133801
1427	WX031	303285	122261
1428	WX032	320434	147660
1429	WX033	282490	115275
1430	WX036	291059	156776
1431	WX040	272646	126791
1432	WX042	310102	114947
1433	WX050	296501	140503
1434	WX051	304764	122033
1435	WX052	314074	111664

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No.	Site I.D.	Easting	Northing
1436	WX054	305155	118398
1437	WX055	305226	121524
1438	WX057	316584	156995
1439	WX060	302048	111838
1440	WX061	291764	119897
1441	WX069	273197	108225
1442	WX072	310064	130304
1443	WX074	301315	121645
1444	WX078	315215	159546
1445	WX079	319816	156209
1446	WX081	296962	103870
1447	WX082	297642	141776
1448	WX083	271203	128210
1449	WX086	302780	120734
1450	WX091	312087	133707
1451	WXAKH	318157	162467
1452	WXBYL	273069	124196
1453	WXDRV	299153	139684
1454	WXETY	297341	139711
1455	WXKMU	316452	141337
1456	WXNRS	271969	127446
1457	WXSBY	302260	157169
1458	WXSME	298097	119260
1459	WXWXD	304787	120874

 $\underline{Schedule\ 2}$  The Apparatus for Wireless Telegraphy to which this Licence Applies:

No.	Manufacturer	Component	Equipment No.
	1 Redacted	BTS	Redacted
	2 Redacted	BTS	Redacted
	3 Redacted	BTS	Redacted
	4 Redacted	BTS	Redacted
	5 Redacted	BTS	Redacted
	6 Redacted	BTS	Redacted
	7 Redacted	BTS	Redacted
	8 Redacted	Antenna	Redacted
	9 Redacted	Antenna	Redacted
	10 Redacted	Antenna	Redacted
	11 Redacted	Antenna	Redacted
	12 Redacted	Antenna	Redacted
	13 Redacted	Antenna	Redacted
	14 Redacted	Antenna	Redacted
	15 Redacted	Antenna	Redacted
	16 Redacted	Antenna	Redacted
	17 Redacted	Antenna	Redacted
	18 Redacted	Antenna	Redacted
	19 Redacted	Antenna	Redacted
	20 Redacted	Antenna	Redacted
	21 Redacted	Antenna	Redacted
	22 Redacted	Antenna	Redacted
	23 Redacted	Antenna	Redacted
	24 Redacted	Antenna	Redacted
	25 Redacted	Antenna	Redacted
	26 Redacted	Antenna	Redacted
	27 Redacted	Antenna	Redacted
	28 Redacted	Antenna	Redacted
	29 Redacted	Antenna	Redacted
	30 Redacted	Antenna	Redacted
	31 Redacted	Antenna	Redacted
	32 Redacted	Antenna	Redacted
	33 Redacted	Antenna	Redacted
	34 Redacted	Antenna	Redacted
	35 Redacted	Antenna	Redacted

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N	lo.	Manufacturer	Component	Equipment No.
	36	Redacted	Antenna	Redacted

## Schedule 3

Radio frequency bands in which the Apparatus is authorised by this Licence to be used.

The following frequency bands may be used:

1950 - 1965 MHz (mobile transmit) paired with 2140 - 2155 MHz (base station transmit) for FDD mode operation,

Use of the bands shall be in compliance with ERC Decision **ERC/DEC/(99)25**, in particular Annex 1 of that Decision with respect to channel rasters and guard bands.

## Schedule 4

# 1. Spectrum Access Fees

	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14		Total Fee
Fee (€m)	44.4	0	0	0	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6	7.6	7.6	9.1	114.3

Between years 0 (Y0) and 15 (Y15) of the term of the licence, the spectrum access fees set out in the above table are payable by the Licensee.

# 2. Annual Spectrum Fees:

In respect of the 2 x 15 MHz licensed in the 1950 - 1965 MHz and 2140 - 2155 MHz frequency bands specified in this licence, a fee of 1,904,610.

# Schedule 5

Commitments which the Licensee made in the course of a competitive or comparative selection procedure. This schedule, parts 1 through 8 inclusive, formed part of the Original Licence.

# **COMMENCEMENT DATE**

The Commencement Date of the Original Licence with respect to Third Generation Mobile Telephony is the 16<sup>th</sup> day of October 2002.

(henceforth referred to in Schedule 5 as the 'Licence Commencement date').

#### THE LICENSED MOBILE SERVICES

#### 1. The Licensed Mobile Services

The Licensed Mobile Service is a Third Generation Mobile and wireless communications Service based on a standard within the IMT-2000 system capable of supporting innovative multimedia services beyond the capability of second generation systems such as GSM, and capable of supporting the characteristics referred to in Annex 1 of the CEPT ECC Decision ERC/DEC/(99)25 on UMTS –

- (1) Provided in the bands 1900 1980 MHz, 2010 2025 MHz and 2110 2170 MHz (to be known as the 1900 MHz, 2000 MHz and 2100 MHz bands respectively) in accordance with the Wireless Telegraphy Acts 1926 1988, as amended.
- (2) Providing the services and conforming to the standards referred to in parts 3 8 of this schedule.

## ACCESS TO THE EMERGENCY SERVICES

#### 1. General

The Licensee shall provide ready access for customers through the Licensed Mobile Services to the emergency services (within the meaning of this Part 3 of the Schedule).

## 2. Calls to an Emergency Service

In this part an "emergency service" means the Garda Síochána, the fire brigade services, the ambulance services, the boat and coastal rescue services (including the rescue services provided by the Air Corps) or the mountain and cave rescue services.

#### 3. Directions by the Commission

The Commission may give directions in writing to the Licensee in relation to the handling of calls to and from customers relating to an emergency service ("emergency calls"), and the Licensee shall comply with any such directions.

#### 4. Acceptance of Emergency Calls

Emergency access codes such as 999 and 112 and any other codes subsequently designated for use as emergency access codes, exclusively for calls to the emergency services shall be open to all terminal equipment equipped with a valid SIM Card (or equivalent), where technically necessary.

## 5. Routing of Emergency Calls

The Licensee shall ensure that an emergency call is routed at the expense of the Licensee, to a collection centre for emergency calls. The Licensee shall provide not less than two routes with physical diversity between each mobile switching centre and a collection centre as described.

## 6. Emergency Calls Free of Charge

The Licensee shall not impose a charge on the customer in respect of an emergency call.

## 7. Identification of Emergency Calls

When an emergency call is made to an emergency service from terminal equipment of a customer, the Licensee shall, where technically possible, transmit the customer's number to a collection centre for emergency calls in the form of a calling line identification message.

## QUALITY OF SERVICE AND GRADE OF SERVICE

## 1. Maps and Data

For the purposes of carrying out service quality surveys, the Licensee shall provide, on request, to the Commission the following:-

- (a) Maps showing Coverage for 3G service, Coverage means that an area, A, shall be covered where the field strength measured on the pilot signal (from the Common Pilot Channel/downlink) from the base station, outdoor at a height of 1.7 meters is maintained equal to or above 58 dB $\mu$ V/m over 95% of the area A during 95% of the time;
- (b) An up to date list of the locations of the base transceiver stations;
- (c) A mechanism for identifying the base station that is handling a call at any given time;
- (d) An adequate number of test numbers.

## 2. Network Log

2.1 The Licensee shall keep a log (the "network log") for the purposes of recording and tracking all periods of system unavailability. The Licensee shall maintain this network log in a manner that will demonstrate, to the satisfaction of the Commission that such a network log is an adequate means of assessing whether the Licensee is complying with its system availability obligations under this licence.

- 2.2 The network log, or as may be the appropriate part thereof, shall be made available on request to the Commission.
- 2.3 The Licensee shall calculate the service unavailability for the Licensed Mobile Services for any period specified by the Commission from the information recorded in the network log, and shall upon request and within such time as may be specified by the Commission, provide the Commission with the results of the calculation.

#### 3 Billing

## 3.1 Billing Accuracy and Fraud Detection

The Licensee shall incorporate in its billing system:

- i) measures to ensure that each call record is an accurate record of the actual call and that the correct accumulated call records are applied to generate each customer's bill, and
- ii) measures to detect cases of possible fraud including measures to identify rapidly abnormal calling patterns.

## 3.2 Performance Standards and Objectives

The Commission may, by direction in writing given to the Licensee, specify performance standards and obligations with respect to service quality or modify existing performance standards and obligations and the Licensee shall comply with any such directions.

#### 4.0 Service Speeds

The Licensee shall guarantee the following 3G data services speeds:

Data speed	Requirements
UDD limited mobility (outdoor ) 384kbps geographical Coverage at the time of commercial launch of service	At commercial launch, the Licensee shall provide UDD limited mobility (outdoor) 384kbps geographical Coverage of 450 kilometres squared (which equates to 0.6% of total landmass).

UDD limited mobility (outdoor ) 384kbps geographical Coverage at the time of reaching 33% demographic Coverage at 144kbps

At the time of reaching demographic coverage of 33% at 144kbps, the Licensee shall provide UDD limited mobility (outdoor) 384kbps geographical Coverage of 450 kilometres squared (which equates to 0.6% of total landmass).

UDD limited mobility (outdoor ) 384kbps geographical Coverage at the time of reaching 53% demographic Coverage at 144kbps

At the time of reaching demographic coverage of 53% at 144kbps, the Licensee shall provide UDD limited mobility (outdoor) 384kbps geographical Coverage of 3,800 kilometres squared (which equates to 5.4% of the total landmass).

Max speed (Applies to both Uplink and downlink) – UDD full mobility (outdoor), Rural Coverage at year end 2007

At year end 2007, the Licensee shall provide a max speed – UDD full mobility (outdoor) Rural Coverage of 144kbps within an area of 41,300 kilometres squared (which equates to 59% of the Rural landmass).

Max speed (Applies to both Uplink and downlink) – UDD limited mobility (outdoor), Rural Coverage at year end 2007

At year end 2007, the Licensee shall provide a max speed – UDD limited mobility (outdoor) Coverage of 384kbps within an area of 6,400 kilometres squared (which equates to 9% of the rural landmass).

Note: Rural is defined for the purpose of this schedule in the following manner:

#### Definition of Rural:

In geographic terms rural areas are defined, as spatial units consisting of small towns and villages, with populations of less than 3,000 inhabitants, and their hinterlands.

Note: Coverage is defined for the purpose of this schedule in the following manner:

## Definition of Coverage

Radio coverage is established from base station sites. Coverage around a site is accomplished using one (omni-directional) or several sectors. A sector is served by dedicated

antenna/transceivers. Coverage is defined in terms of a minimum bearer data rate for UDD packet transmission of 144 kbps.

The <u>sector coverage area</u> is the area served by one dedicated set of antenna/transceivers. The <u>site coverage area</u> is the total area covered from the base station equipment located at that site (i.e. the sum of sector coverage areas).

#### 5. Customer Service

- 5.1 Before the commencement of the provision of 3G Licensed Mobile Services, the Licensee shall implement a customer care system whereby the quality of service offerings are capable of being independently verified and this system shall be agreed by the Commission.
- 5.2 The Licensee's obligations with respect to grade of service to end users are as follows:

Grade of	Requirements
service to end	
users	
Customer	Customer service centre commitments:
Service Centre	24 hours a day / 365 days a year service centre access to all Licensee's
	customers (pre-pay and post-pay) from date of commercial launch.
	The Licensee's Customer Service Centre will deal with enquiries from all
	customers relating to:
	New subscriptions and order completion
	Faults
	Complaints
	Account enquiries
	General enquiries.

Grade of	Requirements
service to end	
users	
	The Licensee shall ensure that 85% of all customer telephone calls made to the
	Licensee Customer Service Centre are answered within 20 seconds in each
	consecutive 12 month period following commercial launch.
Order	In each consecutive 12 month period following commercial launch, the
completion	Licensee shall ensure completion of 95% of all SIM, handset and device
	connections made to the Licensee network by customers (pre-pay and post-pay)
	in that 12 month period in less than one hour.
Complaint	From commercial launch, the Licensee shall ensure that 3G customer
handling	complaints made by telephone call to the Licensee Customer Service Centre are
	dealt with in accordance with the Licensee's updated Customer Charter.
	In each consecutive 12 month period following commercial launch, the
	Licensee shall ensure that:-
	a) complaints during the initial telephone call are resolved or, if this is
	not possible,
	b) the customer within three hours of his or her initial call is advised as
	to how the Licensee intends to progress the complaint
	in 95% of all customer complaints made by telephone and received by
	Licensee's Customer Service Centre in that 12 month period.
	The Licensee shall also ensure that systems and processes are developed to
	support resolution of 3G customer complaints through the first point of contact.
Fault repair	In each consecutive 12 month period following commercial launch, the
	Licensee shall ensure that 98% of customers who report Licensee network
	faults to the Licensee's Customer Service Centre in that 12 month period are
	responded to within one hour.
	In each consecutive 12 month period following commercial launch, the
	Licensee shall ensure that 98% of Licensee network faults which are reported to
	the Licensee's Customer Service Centre in that 12 month period, and which are

Grade of	Requirements
service to end	
users	
	within the Licensee's control, are repaired within 5 hours.
Customer	The Licensee shall ensure that its Customer Charter is updated prior to
Charter	commercial launch, to ensure that, as a minimum, the Licensee's 3G customers
	are provided the same level of customer commitments as the Licensee's 2G
	customers. The updated Customer Charter shall also address additional quality
	of service commitments which are relevant to 3G customers only.
Call Set-Up	The Licensee shall ensure that 99% of all 2G and 3G calls made on the
Time	Licensee network in each consecutive 12 month period following commercial
	launch will have a Call Set-Up Time of 6 seconds or less.
Dropped Calls	The Licensee shall ensure that it has a Dropped Call percentage of less than or
	equal to 1.4% across all 2G and 3G calls made on the Licensee network in each
	consecutive 12 month period following commercial launch.
Customer	Within 12 months of commercial launch, the Licensee shall establish a
compensation	customer Dropped Call compensation scheme (for 2G and 3G calls) which
scheme	provides an automatic credit to the value of a one minute call (of the type of the
	Dropped Call) to the customer's account.
Customer	The Licensee shall achieve a customer satisfaction rating of at least 70% in each
satisfaction	of the first two consecutive 12 month periods following commercial launch and
	of at least 75% in each subsequent and consecutive 12 month period. The
	customer satisfaction surveys shall be based on the Licensee's global
	benchmarking approach using TRI*M Index and shall be conducted by an
	external independent agency. Key measures of satisfaction will include billing
	accuracy, service desk operation, sales and service support, network and
	coverage quality and data applications quality.

Notes: "Call Set-Up Time" applies to 2G or 3G circuit switched calls only and is defined as the time between request for a connection by the mobile calling party and the mobile

network permitting the request, allocating a radio channel and opening the circuit for communications.

- "Dropped Call" is a 2G or 3G circuit switched call of at least a two minute duration that has unintentionally disconnected due to a system problem or lack of channel availability.
- "TRI\*M Index" stands for Measuring, Managing and Monitoring Index, has been applied in more than 2000 stakeholder management programmes worldwide, including over 400 in the IT/Telecoms arena. Crucially, the system is designed to focus on customer retention intensity as an outcome of both satisfaction and loyalty levels. It is a strategic management tool for the monitoring of customer retention levels, the identification and prioritisation of improvement opportunities that provide an invaluable input for the planning of improvement actions and implementation management.

# ROLL-OUT AND COVERAGE REQUIREMENTS

The Licensee shall ensure that roll-out and coverage shall not be less that the requirements set out in the following Table:-

Rollout and Coverage	Requirements
Time of commercial launch of 3G services	The Licensee shall ensure a commercial launch
	of 3G services on or before 1 May 2003.
UDD full mobility (outdoor) 144kbps	At the time of commercial launch, the Licensee
demographic Coverage at commercial launch	shall reach UDD full mobility (outdoor)
	144kbps demographic Coverage of 33%.
Time to reach UDD full mobility (outdoor)	The Licensee shall reach UDD full mobility
144kbps Coverage 33% demographically	(outdoor) 144kbps Coverage of 33%
	demographically on or before 1 May 2003.
Time to reach UDD full mobility (outdoor)	The Licensee shall reach UDD full mobility
144kbps Coverage 53% demographically	(outdoor) 144kbps Coverage of 53%
	demographically on or before 30 September
	2004.
UDD full mobility (outdoor) 144kbps	The Licensee shall reach UDD full mobility
demographic Coverage at year end 2007 in	(outdoor) 144kbps demographic Coverage of
excess of the minimum requirements	85% by year end 2007.

#### **NATIONAL ROAMING**

The Commission shall nominate those who have a duty to provide National Roaming and also those who are entitled to benefit from this Part of the schedule under the proviso that they hold a Mobile Telephony Licence issued by the Commission and are designated New Market Entrants.

## A. National Roaming

1.1 If and for so long as the Licensee or any member of its Group is authorised under the Postal and Telecommunications Services Act, 1983, as amended, and the Wireless Telegraphy Acts 1926 to 1988 to use radio spectrum within the 3G radio bands for the transmission of signals and for so long as it is authorised to use spectrum within the 900 MHz and/or 1800 MHz bands under the Postal and Telecommunications Services Act, 1983, as amended, and the Wireless Telegraphy Acts 1926 to 1988, the Licensee shall negotiate an agreement with a New market entrant or negotiate an amendment to such an agreement, as the case may be, within a reasonable period, if that New market entrant requires it to provide such National Roaming as may be reasonable. Where the authorisation to use radio spectrum is not held by the Licensee but by a member of its

<sup>•</sup> Please see below for the status of references to Licences issued under the 1983 after the transposition of the European Communities Electronic Services Directives.

<sup>•</sup> Under Regulation 22(1) of the European Communities (Electronic Communications Networks and Services)(Authorisation) Regulations, 2003 S.I. 306 of 2003 the licensee is deemed to be Authorised under Regulation 4 of those Regulations from the commencement of those Regulations. As such all references to licences issued under the Postal and Telecommunications Services Act 1983 shall now read as references to Authorisations under Regulation 4.

Group, the Licensee shall ensure that the holder of the authorisation complies with the terms of this condition. Any National Roaming Agreement negotiated under this Condition shall take effect at the latest from the date on which the New market entrant has rolled out its 3G network to cover 20% of the population of Ireland and shall have effect for a period of 5 (five) years from the date of grant of licence to the New market entrant. For the avoidance of doubt, the period of 5 years referred to above is calculated from the date of grant of licence to the New market entrant, regardless of how long the New market entrant takes to roll out its 3G network. Any such National Roaming Agreement negotiated under this Condition shall cover at least Teleservices, Bearer services and Standard Supplementary Services supported over the Licensee's or a member of its Group's GSM network.

- 2. (1) The Commission may, if requested by either party, make a direction in order
  - (a) to specify issues which must be covered in a National Roaming

    Agreement; and/or to lay down specific conditions to be observed by

    one or more parties to a National Roaming Agreement; or
  - (b) if it thinks fit, to set time limits within which negotiations of a National Roaming Agreement are to be completed. Any such direction shall also set out the steps to be taken if agreement is not reached within these time limits.
  - (2) Paragraph 2(1) shall not apply where the parties have concluded the first National Roaming Agreement under paragraph 1(1).
- 3. The Licensee shall ensure that a National Roaming Agreement entered into or an amendment made under paragraph 1(1) contains terms and conditions which are reasonable. In the event of a dispute as to the reasonableness of any term or condition under this paragraph 3, either party may refer the dispute to the Commission for determination. The provisions of paragraph 6 of this Condition shall apply to such a determination.

- 4. (1) The Licensee shall comply with:
  - (a) the requirements of any direction made by the Commission under paragraph 2 or any determination under paragraph 3 in relation to any National Roaming Agreement, and
  - (b) the requirements of any determination made by the Commission under paragraph 6 in relation to any dispute over the terms of a National Roaming Agreement under paragraph 1(1).
- 5. (1) For the avoidance of doubt:
  - (a) any question as to whether any term or condition (including a charge) of a National Roaming Agreement is reasonable, shall be decided by the Commission having regard to paragraph 6 and any directions or guidelines on the Application of this Condition issued from time to time by the Commission; and
  - (b) in considering whether a term or condition (including a charge) of a National Roaming Agreement is reasonable, the Commission may take into account, inter alia, the effective date of the term or condition and the period during which that term or condition may already have been in effect; the Commission may conclude that a reasonable charge is one which is offered or agreed, as the case may be, on terms that it takes effect in the National Roaming Agreements made under paragraph 1(1) from the date of a complaint or the date on which the term was first offered or accepted by the Licensee or a New market entrant or from any other date which is considered by the Commission to be appropriate in the circumstances
- 6. (1) Where there is a dispute concerning National Roaming the Commission shall, at the request of either party, take steps to resolve the dispute within three months of the date of the request. The determination that the Commission makes to resolve the dispute shall represent a fair balance between the legitimate interests of both parties. In so doing, the Commission shall take into account, inter alia:
  - (a) the interests of users;
  - (b) regulatory obligations or constraints imposed on the Licensee or the New market entrant;

- (c) the desirability of stimulating innovative market offerings, and of providing users with a wider range of telecommunications services within Ireland and the European Union;
- (d) the need to maintain the integrity of the public telecommunications network and the interoperability of services;
- (e) the nature of the request in relation to the resources available to meet the request;
- (f) the relative market positions of the Licensee and the New market entrant;
- (g) the need for the Licensee to maintain quality of service and for the New market entrant to provide accurate and timely information in order to facilitate network planning;
- (h) the public interest, such as the protection of the environment;
- (i) the promotion of competition; and
- (j) the provision of National Roaming to New market entrants at a price based on Retail minus avoidable costs, as defined in this condition and any guidelines issued by the Commission from time to time.
- (2) For the avoidance of doubt, the list at paragraph 6(1) is not exhaustive.
- (3) The determination shall be published in accordance with Paragraph 7 and shall be binding on the parties.
- (4) The Commission shall not be required to take steps to resolve any dispute referred to it under this paragraph in respect of a New market entrant, where any other dispute has been referred to it under this paragraph or where it has previously resolved a dispute relating to a National Roaming Agreement involving that New market entrant in circumstances where that National Roaming Agreement is:
  - i) still valid and in existence; and
  - ii) remains in substantially the same form.
- 7. Any determination made by the Commission under paragraph 6 shall automatically lapse upon the entry into force of any subsequent National Roaming Agreement to which the same New market entrant is a party.

- 8. The Commission shall ensure that up to date and specific information in accordance with paragraph 6 is made available on request to interested parties, free of charge, during normal working hours.
- 9. (1) In this Condition:

"Mobile Terminal" shall mean a telecommunications terminal intended to be able to register with as well as make and receive calls with one or more public mobile communications networks

"Visited Network" shall mean a public mobile communications network in which a Mobile Terminal can work without the Mobile Terminal or an inserted identification module (SIM card) being associated therewith via a subscription or a similar customer relationship.

"Retail minus avoidable cost" means the retail price charged by the Licensee for the provision of a service to end-users less any elements of costs that are not incurred in providing the same service to the New market entrant plus any elements of cost reasonably incurred solely to provide National Roaming services.

"Bearer services" shall mean as defined in current and future versions of the ETSI GSM Technical Specifications (and their future 3G equivalents).

"Group" means, in relation to the Licensee:

- (a) any parent undertaking of the Licensee;
- (b) any subsidiary undertaking of the Licensee;
- (c) any subsidiary undertaking of any parent undertaking referred to in a);
- (d) a shareholder or partner in the Licensee which beneficially owns (directly or indirectly) shares in the Licensee in circumstances where there is one other shareholder or partner in the Licensee which beneficially owns (directly or indirectly) the remaining shares in circumstances where neither shareholder or partner has control;
- (e) any undertaking of which the Licensee beneficially owns (directly or indirectly) shares in circumstances where there is one other shareholder or partner in that undertaking which beneficially owns (directly or indirectly) the remaining shares in circumstances where neither shareholder nor partner has control;
- (f) any undertaking in circumstances where two or more of its shareholders or partners which acting in concert together beneficially own (directly or indirectly) more

than 50% of the shares or voting rights in that undertaking, acting in concert together beneficially own (directly or indirectly) more than 50% of the shares, or voting rights of the Licensee; and

(g) any undertaking of which the Licensee beneficially owns (directly or indirectly) together with one or more undertakings acting in concert more than 50% of the shares or voting rights of that undertaking.

A Person shall be deemed to control a body corporate if –

- (a) he has a controlling interest in it;
- (b) he has a controlling interest in a body corporate which has a controlling interest in the body corporate; or
- (c) although he does not have such an interest in the body corporate, or in any body corporate with a controlling interest in the body corporate, it is reasonable, having regard to all the circumstances, to expect that he will be able, by whatever means and whether directly or indirectly, to achieve the result that the affairs of the body corporate are conducted in accordance with his wishes;

and for this purpose a Person has a controlling interest in a body if he holds, or is beneficially entitled to, 50% or more of the equity share capital in the body corporate, or possesses 50% or more of the voting power in it and a Person shall be deemed to control a body corporate where that Person controls another Person which controls that body corporate.

"National Roaming" shall mean a service which enables a Mobile Terminal to register with as well as make and receive calls on a Visited Network in Ireland.

"National Roaming Agreement" shall mean an agreement that provides for National Roaming.

"New market entrant" means a Person who was not licensed to provide mobile telecommunications services and networks in Ireland on or before 27 March 2002 and who did not have control of and was not controlled by a body corporate which was so licensed on or before that date.

"Supplementary services" shall have the meanings attached by the relevant ETSI/GSM standards (or equivalent standards).

"Standard Supplementary Services" shall mean those Supplementary services which are most widely used by mobile retail customers (subscribers). "Teleservices" shall mean as defined in current and future versions of the ETSI GSM Technical Specifications (and their future 3G equivalents). "2G spectrum" means, for the purposes of this Condition spectrum within the 900 MHz and/or 1800 MHz bands.

"3G spectrum" means, for the purposes of this Condition spectrum within the 1900 MHz, 2000 MHz and 2100 MHz bands.

10. The Licensee shall not (whether in respect of the charges or other terms or conditions applied or otherwise) show undue preference to, or exercise undue discrimination against, particular Persons or Persons of any class or description with respect to the provision of the service to which the Licensee is obliged by this Condition to provide.
This Condition, shall cease to have effect 5 (five) years after the issue of a licence to provide 3G mobile services to any party entitled to benefit from the provisions of paragraph 1(1) of this Condition.

#### **B.** International Roaming:

- 1. The Licensee shall establish and maintain as part of its Mobile Service an international roaming capability for its customers that is as wide and comprehensive as is practicable.
- 2. Where requested to do so, the Licensee shall provide to members of the public, maps from other 2G and 3G operators with whom it has international Roaming Agreements showing the Coverage provided by them.

## PERFORMANCE AND FINANCIAL GUARANTEES (1)

- 1. Performance and Financial Guarantees on Part 4: Quality of Service, Grade of Service
  Text considered confidential and subject to the protection of confidentiality has been deleted
  - 1.2 The Licensee shall, before the licence commencement date, put in place a programme to measure and monitor compliance with the performance targets set out in Part 4. The programme shall include the reporting procedures to the Commission and shall be in such form as agreed with the Commission or as may be specified by the Commission from time to time.
  - 1.3 The Licensee shall as a minimum implement the following programme to measure and monitor compliance with performance targets relating to Quality and Grade of Service:
    - (i) Order completion monitoring and measurement shall be accomplished via the Licensees order provisioning system which shall log the request for connection by the customer and track the time elapsed between customer contact and successful order completion. An annual summary will be presented to the Commission no later than 31 days after the calendar year end.
    - (ii) All complaints received by the Licensee will be logged onto its customer database system. The Licensee will generate monthly reports that shall show the time taken to respond to and resolve such complaints. An annual summary will be presented to the Commission no later than 31 days after the calendar year end.
    - (iii) Monthly statistics on the time taken to respond to and subsequently to clear faults shall be compiled. An annual summary will presented to the Commission no later than 31 days after the calendar year end.
    - (iv) The Licensee through its network management centre shall collect network statistics on the average call set up time and number of dropped calls and deliver

- annual reports, no later than 31 days after the calendar year end to the Commission detailing its performance levels against the obligations set-out herein.
- (v) The Licensee shall publish the 3G Customer Charter on its website, as well as all retail outlets and agents. A copy of the charter will be submitted to the Commission no later than 31 days after the committed target date.
- 1.4 The Licensee shall, within 31 days of each relevant performance target notify the Commission that the Licensee has either (a) met the said performance target, or (b) that the Licensee has failed to meet the said performance target. Failure by the Licensee to so notify the Commission shall be deemed to indicate non-compliance with the relevant performance target.

<u>Table 1: Performance Targets and Financial Guarantees</u>
with respect to Service Quality and Grade of Service

Type of performance target	Performance target	Redacted	Redacted
1.a  UDD limited mobility (outdoor) 384kbps geographical Coverage at the time of commercial launch of service	At commercial launch, the Licensee shall provide UDD limited mobility (outdoor) 384kbps geographical Coverage of 450 kilometres squared (which equates to 0.6% of the total landmass).	Redacted	Redacted
1.b UDD limited mobility	At the time of reaching demographic Coverage of 33% at 144kbps, the Licensee	Redacted	Redacted

Type of performance target  (outdoor) 384kbps geographical Coverage at the time of reaching 33% demographic Coverage at 144kbps	shall provide UDD limited mobility (outdoor) 384kbps geographical Coverage of 450 kilometres squared (which equates to 0.6% of the total landmass).	Redacted	Redacted
1.c UDD limited mobility (outdoor) 384kbps geographical Coverage at the time of reaching 53% demographic Coverage at 144kbps	At the time of reaching demographic Coverage of 53% at 144kbps, the Licensee shall provide UDD limited mobility (outdoor) 384kbps geographical Coverage of 3,800 kilometres squared (which equates to 5.4% of the total landmass).	Redacted	Redacted

Type of performance target	Performance target	Redacted Redacted	Redacted
1.d Max speed – UDD full mobility (outdoor), Rural Coverage at year end 2007	At year end 2007, the Licensee shall provide a max speed – UDD full mobility (outdoor), Rural Coverage of 144kbps within a Rural area of 41,300 kilometres squared (which equates to 59% of the Rural landmass).	Redacted	Redacted

Type of performance target	Performance target	Redacted	Redacted
		Redacted	
1.e  Max speed –  UDD limited  mobility  (outdoor) Rural  Coverage at  year end 2007	At year end 2007, the Licensee shall provide a max speed – UDD limited mobility (outdoor) Rural Coverage of 384kbps within a Rural area of 6,400 kilometres squared (which equates to 9% of the total Rural landmass).	Redacted	Redacted

Type of performance target	Performance target	Redacted	Redacted
		Redacted	
1.f	Order completion:	Redacted	Redacted
Grade of	In each of the first five		
service to end	consecutive 12 month periods		
users (Order	following commercial launch,		
completion)	the Licensee shall ensure that		
	95% of all SIM, handset and		
	device connections made to		
	the Licensee network by		
	customers (pre-pay and post-		
	pay) in that 12 month period		
	are completed in less than		
	one hour.		

Type of performance target	Performance target	Redacted	Redacted
1.g	Customer complaint		
Grade of	handling:	Redacted	Redacted
service to end	In respect of customer		
users	complaints made by		
(Customer	telephone and received by the		
complaint	Licensee's Customer Service		
handling):	Centre in any of the first five		
	consecutive 12 month periods		
	following commercial launch,		
	the Licensee shall ensure that		
	either :-		
	a) such complaints are		
	resolved during the initial		
	telephone call or, if this is		
	not possible,		
	b) the customer is advised		
	within three hours of his		
	or her initial call as to		
	how the Licensee intends		
	to progress the		
	complaint;		
	in 95% of all customer		
	complaints made by		
	telephone and received by the		
	Licensee's Customer Service		
	Centre in that 12 month		
	period.		

Type of performance target	Performance target	Redacted	Redacted
1.h Grade of service to end users (Fault repair)	Fault repair: In each of the first five consecutive 12 month periods following commercial launch, the Licensee shall ensure that 98% of customers who report network faults to the Licensee Customer Service Centre in that 12 month period are responded to within one hour.	Redacted	Redacted
	In each of the first five consecutive 12 month periods following commercial launch, the Licensee shall repair 98% of the Licensee's network faults which are reported to the Licensee Customer Service Centre in that 12 month period, and which are within the Licensee's control, within 5 hours.		

Type of performance target  1.i Grade of service to end users (Call Set- Up Time)	Call Set-Up Time The Licensee shall ensure that 99% of all 2G and 3G calls made on the Licensee's network in each of the first five consecutive 12 month periods following commercial launch shall have a Call Set-Up Time of 6 seconds or less.	Redacted	Redacted
1.j Grade of service to end users (Dropped Calls)	Dropped Calls: The Licensee shall ensure that it has a Dropped Call percentage of less than or equal to 1.4% across all 2G and 3G calls made on the Licensee's network in each of the first five consecutive 12 month periods following commercial launch.	Redacted	Redacted

Type of performance target	Performance target	Redacted	Redacted
	Within 12 months of commercial launch, the Licensee shall establish a customer Dropped Call compensation scheme (for 2G and 3G calls) which provides an automatic credit to the value of a one minute call (of the type of the Dropped Call) to the customer's account.	Redacted	Redacted
1.k Grade of service to end users 3G Customer Charter	3G Customer Charter: The Licensee shall update its Customer Charter by commercial launch, to ensure that as a minimum, the Licensee's 3G customers are provided the same level of customer commitments as the Licensee's 2G customers. The updated Customer Charter shall also address additional quality of service commitments which are relevant to 3G customers only.	Redacted	Redacted
1.L	<b>Customer Satisfaction:</b>		

Type of performance target	Performance target	Redacted	Redacted
Grade of service to end users Customer Satisfaction	The Licensee shall achieve a customer satisfaction rating (as judged by an external independent agency and based on the Licensee's global benchmarking approach using the TRI*M Index) of at least 70% in each of the first two consecutive 12 month periods following commercial launch and of at least 75% in each of the next three subsequent and consecutive 12 month periods.	Redacted	Redacted
Licensee's total maximum aggregate financial undertaking in respect of service quality and — grade of service			Redacted

Notes: "Call Set-Up Time" applies to 2G or 3G circuit switched calls only and is defined as the time between request for a connection by the mobile calling party and the mobile network permitting the request, allocating a radio channel and opening the circuit for communications.

"Dropped Call" is a 2G or 3G circuit switched call of at least a two minute duration that has unintentionally disconnected due to a system problem or lack of channel availability.

"TRI\*M Index" stands for Measuring, Managing and Monitoring Index, has been applied in more than 2000 stakeholder management programmes worldwide, including over 400 in the IT/Telecoms arena. Crucially, the system is designed to focus on customer retention intensity as an outcome of both satisfaction and loyalty levels. It is a strategic management tool for the monitoring of customer retention levels, the identification and prioritisation of improvement opportunities that provide an invaluable input for the planning of improvement actions and implementation management.

### Part 7

### **Performance and Financial Guarantees (2)**

1. Performance and Financial Guarantees on Part 5 and Part 8: Coverage, Roll-out and Site sharing targets

Test considered confidential and subject to the protection of confidentiality has been deleted

- 1.2 The Licensee shall, before the licence commencement date, put in place a programme to measure and monitor compliance with the performance targets set out. The programme shall include the reporting procedures to the Commission and shall be in such form as agreed with the Commission or as may be specified by the Commission from time to time.
- 1.3 The Licensee shall supply call handling statistics for base stations on-air to demonstrate that they are fully operations. The Licensee shall take measurements from their 3G radio planning tool to measure the coverage footprint of its 3G network. The Licensee shall submit the result of this analysis to the Commission no later than 31 days after the performance target date.
- 1.4 The programme to measure and monitor compliance with performance targets relating to site sharing shall at a minimum be as follows:
  - (i) The licensee shall keep a detailed log of all sites under its control, the capacity already occupied and the remaining available capacity. This log will be shown to operators requesting access to sites under the Licensee's control who, at cost, will be given an assessment of tower capacity within 30 days of requesting this. In addition, the Licensee will provide a copy of this log every year to the Commission no later than 31 days after the year end. The Licensee will provide the Commission with complete visibility of site sharing contract under negotiation

and signed between themselves and tenants on their sites to ensure that they are in compliance with the LRAIC charging basis.

(ii) The Licensee shall, within 31 days of each relevant performance target notify the Commission that the Licensee has either (a) met the said performance target, or (b) that the Licensee has failed to meet the said performance target. Failure by the Licensee to so notify the Commission shall be deemed to indicate non-compliance with the relevant performance target.

<u>Table 2: Performance Targets and Financial Guarantees in respect of</u>

### **Coverage, Rollout and Site Sharing**

#### Time of commercial launch

Type of	Performance target	Redacted	Redacted
performance			
target			
2.a	The Licensee shall ensure a	Redacted	Redacted
Time of	commercial launch of 3G		
commercial	services on or before 1 May		
launch of 3G	2003.		
services			

# **Coverage and Roll out**

Type of	Performance target	Redacted	Redacted
performance			
target			
2.b	At the time of commercial	Redacted	Redacted
UDD full	launch, the Licensee shall		
mobility	reach UDD full mobility		
(outdoor)	(outdoor) 144kbps		
144kbps	demographic Coverage of		
demographic	33%.		
Coverage at			
commercial			
launch			
2.c	The Licensee shall reach UDD	Redacted	Redacted
Time to reach	full mobility (outdoor)		
UDD full	144kbps Coverage 33%		
mobility	demographically on or before		
(outdoor)	1 May 2003.		
144kbps			
Coverage 33%			
demographical			
ly			

Type of performance target	Performance target	Redacted	Redacted
2.d Time to reach UDD full mobility (outdoor) 144kbps Coverage 53% demographical ly	The Licensee shall reach UDD full mobility (outdoor) 144kbps Coverage 53% demographically on or before 30 September 2004.	Redacted	Redacted

Type of performance	Performance target	Redacted	Redacted
target			
tui get			
2.e	The Licensee shall provide	Redacted	Redacted
UDD full	UDD full mobility (outdoor)		
mobility	144kbps demographic		
(outdoor)	Coverage of 85% by year end		
144kbps	2007.		
demographic			
Coverage at			
year end 2007			
in excess of			
the minimum			
requirements			

# Site sharing

Type of	Performance target	Redacted	Redacted
performance			
target			
2.f	In each of the first five	Redacted	Redacted
Access to	consecutive 12 month periods		
Radio	from the date of the award of a		
Transmission	3G Licence to the Licensee,		
Sites under the	the Licensee shall provide		
Licensee's	access for site sharing		
Control	purposes to 96% of the Radio		
	Transmission Sites under the		
	Licensee's Control to any		
	other licensed 3G network		
	operator with whom it has		
	entered into a Site Sharing		
	Agreement (which contains as		
	a minimum the provisions set		
	out in Part 8, Paragraph 3 of		
	this Schedule) subject to and		
	in accordance with the		
	provisions of that Site Sharing		
	Agreement.		
2.g	In each of the first five	Redacted	Redacted

Type of performance target	Performance target	Redacted	Redacted
Charging basis for site sharing access	consecutive 12 month periods from the date of the award of a 3G Licence to the Licensee, the Licensee shall provide other licensed 3G network operators with whom it has entered into a Site Sharing Agreement with access to Radio Transmission Sites under the Licensee's Control for site sharing on an LRAIC cost basis (as illustrated in the appendix to this Schedule 7) in accordance with the provisions of that Site Sharing Agreement.	Redacted	Redacted
2.h Commitment to participate in a future code of	The Licensee shall participate in a future code of practice concerning sharing of radio transmission sites.	Redacted	Redacted

Type of performance target	Performance target	Redacted	Redacted
practice		Redacted	Redacted
Licensee's total maximum aggregate financial undertaking in respect of coverage, rollout and site sharing targets			Redacted

## **Appendix to Part 7**

### Charging basis for Site Sharing

The Licensee's charging basis is defined below:

- ➤ The Licensee will charge for site sharing on an LRAIC (Long run average incremental cost) basis. LRAIC is defined as the average forward looking average cost over a period sufficiently long so that the organisation can increase or decrease its inputs and size of each input to meet an increase or decrease in the volume of production. It is the most appropriate costing methodology reflecting the current and future cost of providing network facilities
- Costs that will be taken into account will include the key activities detailed in the exhibit below, as well as common costs relating to site acquisition and maintenance. The Licensee's calculation will also include a return based on the Licensee's Weighted Average Cost of Capital (WACC)
- The total cost to be borne by a tenant on the Licensee's sites will be apportioned according to the number of operators sharing the site

Below the Licensee details the activities / costs that will form the basis for calculating the cost of site sharing.

### Key activities to be included in calculation of site sharing costs



The basis on which the Licensee shall charge for these activities is described in the next exhibit.

# Basis of charging for site related activities (per site)

Activity	Basis of charging	Period of apportionment
Landlord negotiations	Hourly labour costs relating to landlord negotiations multiplied by the number of hours required to secure a new site	10 years
County council negotiations	Hourly labour costs relating to county council negotiations multiplied by the number of hours required to conduct negotiations relating to one new site	10 years
Planning application and appeals	Hourly cost of labour relating to planning application preparation (including appeals), multiplied by the number of hours relating to planning activity per new site	10 years
ESB negotiations & power installation	Total hours of work spent on ESB negotiations per site multiplied by labour cost per hour	10 years
Local community briefings	Total hours of work spent on local community briefings per new site multiplied by average cost per hour	10 years
Site leasing	Annual site leasing costs per type of site (e.g. urban, suburban, rural)	1 year
	In the case of freehold sites, annual market rent of site by site type (e.g. urban, suburban, rural)	
Site preparation	Labour costs (in-house and sub-contracted) per site constructed	10 years
Construction	Labour costs relating to site construction per site constructed	10 years
Ongoing management and maintenance	Total annual labour and materials costs by site type (urban, suburban, rural) and site size	1 year

In terms of common costs, the Licensee will pass on a portion of company overheads based on an allocation of costs prorated on an equi-proportionate mark-up basis.

The Licensee provides below two examples on actual prices that would arise from the Licensee's LRAIC costing methodology. These examples are for site sharing offered for:

- > An urban tower site located on an existing building
- A rural tower based site

The table below sets out the Licensee's key inputs in arriving at an appropriate LRAIC based price.

# Cost inputs applied to calculation of price for site sharing

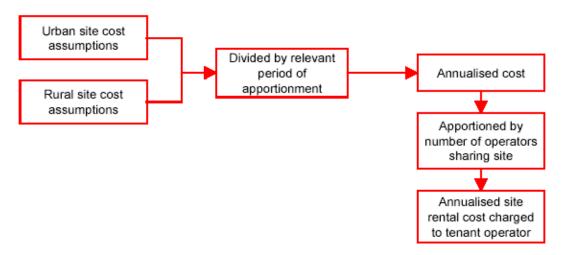
Activity	Key cost driver	Period of Apportion- ment	Cost assumptions (urban site) (1)	Cost assumptions (rural site) <sup>(1)</sup>
Landlord negotiations	Hourly labour costs relating to landlord negotiations multiplied by the number of hours	10 years	Radio property department – 40 hours @ €66.15 per hour	Radio property department – 40 hours @ €66.15 per hour
	required to secure a new site		Legal department – 10 hours at €94.50 per hour	Legal department – 10 hours at €94.50 per hour
County council negotiations	Hourly labour costs relating to county council negotiations multiplied by the number of hours required to conduct negotiations relating to one new site	10 years	20 hours @ €66.15 per hour	20 hours @ €66.15 per hour
Planning application and appeals	Hourly cost of labour relating to planning application preparation (including appeals), multiplied by the number of hours	10 years	Radio property department – 2 hours @ €66.15 per hour	Radio property department – 2 hours @ €66.15 per hour  Site consulting
	relating to planning activity per new site		charge (per site) - €6,348	charge (per site) - €6,348
ESB negotiations & power installation	Total hours of work spent on ESB negotiations per site multiplied by labour cost per hour	10 years	Civil engineers – 15 hours @ €66.15 per hour	Civil engineers – 15 hours @ €66.15 per hour
Local community	Total hours of work spent on local	10 years	20 hours @ €106.30 per	20 hours @ €106.30 per hour

Activity	Key cost driver	Period of Apportion- ment	Cost assumptions (urban site) (1)	Cost assumptions (rural site) (1)
briefings	community briefings per new site multiplied by average cost per hour		hour	
Site leasing	Annual site leasing costs per type of site (e.g. urban, suburban, rural) In the case of freehold sites, annual market rent of site by site type (e.g. urban, suburban, rural)	1 year	€12,000 per site pa	€8,000 per site pa
Site preparation and construction	Labour costs (in-house and sub-contracted) per site constructed	10 years	€60,000 per site	€139,000 per site
Ongoing management and maintenance	Total labour and materials costs by site type (urban, suburban, rural) and site size	1 year	€1,000 per site	€1,000 per site
Share of common costs	Total common costs per site	1 year	€1,000 per site	€1,000 per site

<sup>(1)</sup> At current prices, reflects overall total cost (not annualised)

To arrive at an annual cost of site sharing, the Licensee would apply the calculation detailed below.

## Calculation for assessing site sharing costs



The next exhibit shows the total annual costs per site type (urban versus rural).

## Total annual costs per site type

Activity	Total annual costs (urban sites)	Total annual costs (rural sites)
Landlord negotiations	€359	€359
County council negotiations	€132	€132
Planning application and appeals	€648	€648
ESB negotiations & power installation	€99	€99
Local community briefings	€213	€213
Site leasing	€12,000	€8,000
Site preparation and construction	€6,000	€13,900
Ongoing management and maintenance	€1,000	€1,000
Share of common costs	€1,000	€1,000
WACC	18%	18%
Total cost plus WACC	25,312	29,914

If, for example, the Licensee had one other operator sharing a site with us, the annual cost to be passed onto the other operator would be €12,656 in respect of an urban site and €14,957 in respect of a rural site.

### Part 8

### **SITE SHARING**

### A. General

- 1. If and for so long as the Licensee or any member of its Group is authorised to use radio spectrum within the radio spectrum bands for the transmission of signals, it shall, within a reasonable period, negotiate in good faith and conclude a framework contract (hereinafter the 'Site Sharing Agreement') with any other licensed 3G mobile network operator or negotiate and conclude an amendment to such an agreement, as the case may be, upon reasonable request from any such operator for access to radio transmission sites under the Licensee's control (3G or otherwise).
- 2. The Licensee shall ensure that the Site Sharing Agreement concluded pursuant to this Condition provides access to 96% of the radio transmission sites (3G or otherwise) under the control of the Licensee for site sharing purposes. Where the authorisation to use radio spectrum is not held by the Licensee but by a member of its Group, the Licensee shall ensure that the holder of the authorisation complies with the terms of this Condition.
- 3. The Licensee shall ensure that any Site Sharing Agreement contains as a minimum the following provisions:
  - Requests for access and reaction: once a request for access for a specific site has been made, the agreement must set a reasonable time within which the operator controlling the site must formally respond to the request.
  - ii) Non-exclusivity: an operator controlling a site shared or offered for sharing to any 3G licensee must agree to offer access to the same site to any other 3G licensee on a non-discriminatory basis, subject to capacity constraints.
  - iii) Price: the Site Sharing Agreement must include a method of determining a reasonable level of compensation for use of the site.
  - iv) Access: the Site Sharing Agreement must set out the rights of both operators to enter the site and to carry out work on it, in particular any charges associated with site entry and any constraints relating to when the site may be accessed. The licensee offering site sharing

- should endeavour to provide or ensure the party in control of the site provides unescorted access options that meet reasonable demand.
- v) Repairs and maintenance: the Site Sharing Agreement must set out the responsibilities of both parties.
- vi) Liability for accidents etc. on the site: the Site Sharing Agreement must set out the responsibilities of both parties.
- vii) Technical standards for site sharing must be set in terms of a minimum requirement acceptable to all sharers and conforming to appropriate legislation, such as health and safety and planning regulations.
- viii) Obtaining permission etc.: the Site Sharing Agreement must set out whose responsibility it is to obtain any permission necessary to use the site for 3G mobile telecommunications.
- ix) The Site Sharing Agreement should require the burden of proof of the unavailability of access to a particular site should fall on the licensee offering site sharing.
- x) Disputes: the Site Sharing Agreement must define a method of settling disputes by involving the nomination of a neutral third party (e.g. an arbitrator).
- xi) Oversight by Commission: the Site Sharing Agreement must provide a right for the Commission to inspect any correspondence or documents covered by the agreement.
- 4. The provisions of this Condition are without prejudice to the rights and obligations relating to facility sharing granted or imposed by the European Communities (Interconnection in Telecommunications) Regulations, 1998, as amended, or otherwise.
- 5. The Licensee shall provide at the Commission's request a list of the locations of the sites covered by this Part. In response to a request by the Commission, the Licensee shall identify the locations of the Radio transmission sites under its control to which other 3G licensees can have access.
- 6. The Licensee shall provide the Commission with the location of sites covered by this condition in the event that such information is reasonably requested by the Commission.

### **B.** Site Sharing Requirements

From the date of the award of a 3G Licence to the Licensee and in each consecutive 12 month period thereafter, the Licensee shall provide access for site sharing purposes to 96% of the Radio Transmission Sites under the Licensee's Control to any other licensed 3G network operator with whom it has entered into a Site Sharing Agreement (which contains as a minimum the provisions set

out in Part 8, Section B, Paragraph 3 of this Schedule) subject to and in accordance with the provisions of that Site Sharing Agreement.

For the avoidance of doubt, the Licensee confirms that it shall:

- (a) at any time provide access to at least one third of all Radio Transmission Sites under the Licensee's Control to other licensed 3G network operators, excluding those sites to which access cannot be offered due to capacity constraints;
- (b) provide access on a reasonable transparent and non-discriminatory basis in the form of a framework agreement covering as a minimum the 11 elements specified in Part 8, Section B, Paragraph 3 of this Schedule.
- 7. The Licensee's conditions with respect to site sharing are as follows:-

### 7.1 Site sharing

From the date of the award of a 3G Licence to the Licensee and in each consecutive 12 month period thereafter, the Licensee shall provide access for site sharing purposes to 96% of the Radio Transmission Sites under the Licensee's Control to any other licensed 3G network operator with whom it has entered into a Site Sharing Agreement (which contains as a minimum the provisions set out in Part 9, Paragraph 3 of this Schedule) subject to and in accordance with the provisions of that Site Sharing Agreement.

For the avoidance of doubt, the Licensee confirms that as part of its above obligation it shall:

- at any time provide access to at least one third of all Radio Transmission Sites under the Licensee's Control to other licensed 3G network operators, excluding those sites to which access cannot be offered due to capacity constraints;
- provide access on a reasonable transparent and non-discriminatory basis in the form of a framework agreement covering as a minimum the 11 elements specified in Part 8, Paragraph 3 of this Schedule.

Note: "Radio Transmission Sites under the Licensee's Control" are for the purposes of this Schedule defined as secured locations and/or antennae support structures used for radio communications services which are held by the Licensee either

- -as Freehold Sites (under a freehold title); or
- −as Leasehold Sites (under a leasehold title).

"Freehold Sites" are sites where the legal ownership is vested in the Licensee in perpetuity and which may be Subject to Planning Permission.

"Leasehold Sites" are sites where the site is held under a lease with a relationship of Landlord and Tenant between the site owner and the Licensee and

- -which may be Subject to Planning Permission; and
- -which are subject to the landlord's consent to the proposed site share arrangements (such consent not to be unreasonably withheld).

Freehold Sites and Leasehold Sites are further described in Part 4.6 of the Licensee's Application for a 'B' Licence to Provide 3G Services in Ireland.

At the date of the Licensee's Application for a 'B' Licence to Provide 3G Services in Ireland]. the total number of Radio Transmission Sites under the Licensee's Control amounts to 300. These are listed in the Licensee's Application for a 'B' Licence to Provide 3G Services in Ireland. Of this total number:

126 Freehold or Leasehold Sites would be Subject to Planning Permission; and

174 Leasehold Sites are subject to the landlord's consent to the proposed site share arrangements (such consent not to be unreasonably withheld).

### C. Charging Basis for Site Sharing

From the date of the award of a 3G Licence to the Licensee and in each consecutive 12 month period thereafter, the Licensee shall provide other licensed 3G network operators with whom it has entered into a Site Sharing Agreement with access to Radio Transmission Sites under the Licensee's Control for site sharing on a LRAIC cost basis as detailed in Part 4.6 of the Licensee's Application for an 'B' Licence to Provide 3G Services in Ireland in accordance with the provisions of that Site Sharing Agreement.

LRAIC (long run average incremental cost) is defined as the average forward looking average cost over a period sufficiently long so that the organisation can increase or decrease its inputs and size of each input to meet an increase or decrease in the volume of production. Costs that will be taken into account will include the key activities involved in building and operating a radio site, as well as common costs relating to site acquisition and maintenance. The calculation will also include a return based on our Weighted Average Cost of Capital (WACC). (For illustration please see the appendix to part 7 of this schedule. The total cost to be borne by a site sharing partner in respect of any Radio Transmission Site under the Licensee's Control will be proportionate to the number of licensed 3G network operators using that site.

# D. Future Code of Practice concerning Sharing of Radio Transmission Sites

The Licensee shall participate in any future code of practice concerning sharing of radio transmission sites.