Narrowband Market Review: Further Consultation

Proposed list of wholesale call termination (WCT) providers with significant market power and amendment to wholesale ISDN30 charge control legal instrument

CONSULTATION:
Publication Date: 22 August 2017
Closing Date for Responses: 22 September 2017
About this document

This document invites stakeholder comments on our revised proposed list of telecoms providers that have significant market power (SMP) in wholesale call termination (WCT) and our proposal to include an additional service in our proposed wholesale ISDN30 charge control.

In our 2016 Narrowband Market Review (NMR) Consultation, we published our proposals for the future regulation of five wholesale markets that underpin the delivery of fixed voice telephone services to consumers.

Those wholesale markets include fixed wholesale call termination (WCT), an arrangement where one telecoms provider charges another provider for terminating calls on their network.

In our 2016 NMR Consultation, we published a list of providers of WCT services that we proposed have SMP. We are now consulting on an amended version of that list.

The 2016 NMR Consultation proposed services for inclusion in the wholesale ISDN30 charge control. We omitted an ISDN30 service (Direct Dial Inward Planning Service) from the draft legal instrument for the proposed ISDN30 charge control. In this document, we propose to include this additional service.

We will take responses to this further consultation into account before reaching our final conclusions and publishing our statement on the review later in 2017.
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1. Consultation on list of WCT providers and wholesale ISDN30 charge control legal instrument clarification

Introduction

1.1 This document invites stakeholder comments on our revised proposed list of telecoms providers that have significant market power (SMP) in wholesale call termination (WCT) and our proposal to include an additional service in our proposed wholesale ISDN30 charge control.

List of WCT providers

1.2 In our 2016 NMR Consultation, we published our proposals for the future regulation of five wholesale markets that underpin the delivery of fixed voice telephone services to consumers. Those wholesale markets include fixed wholesale call termination (WCT), an arrangement where one telecoms provider charges another provider for terminating calls on their network.

1.3 In that consultation, we proposed to define the following markets:

“termination services that are provided by a [named communications provider](CP) to another communications provider, for the termination of voice calls to United Kingdom geographic numbers in the area served by that CP.”

1.4 Where termination services are considered to be:

“the conveyance of all signals (including relevant control signals) required to terminate calls to a customer1 from the point in the network closest to the end customer’s point of connection to the network where those signals can be accessed by another CP.”

1.5 We proposed that each telecoms provider has SMP in the defined market for fixed geographic call termination applicable to that provider. This includes those providers whose numbers are hosted by another provider, and both the donor provider and the recipient provider in relation to numbers that have been ported.

1.6 The telecoms providers that we proposed to designate as having SMP in these markets were listed at Annex 6 to the 2016 NMR Consultation. In addition to our proposals to designate BT and KCOM as having SMP, we proposed to designate each of the persons listed in the Annex to Schedule 3 of the draft legal instruments (the “2016 List”).

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1 For the avoidance of doubt, calls to fixed geographic numbers delivered over IP are included within the wholesale call termination market.
1.7 In this consultation, we are proposing to replace the 2016 List with the list contained in Annex 5 to this consultation. The list in Annex 5 is a consolidated list which updates the 2016 List to include telecoms providers who have been allocated numbers since the publication of our 2016 NMR Consultation and to remove providers who have returned their number ranges or have had their number ranges withdrawn since then. We have also removed providers who are in liquidation or have been dissolved.\(^2\)

1.8 We are therefore proposing to designate each of the persons listed in Annex 5 as having SMP in the defined market for fixed geographic call termination applicable to each telecoms provider. Our reasoning on market definition and approach to designating market power is set out in more detail in the 2016 NMR Consultation (see in particular section 11).

1.9 As a consequence of these proposed designations, we are proposing to impose the remedies set out below on each of those telecoms providers.\(^3\)

**Table 1.1: Summary of proposed remedies on telecoms providers with SMP in WCT**

<table>
<thead>
<tr>
<th>2017 NMR Remedies</th>
</tr>
</thead>
<tbody>
<tr>
<td>All telecoms providers other than BT</td>
</tr>
<tr>
<td>- Charge control</td>
</tr>
<tr>
<td>- Provide network access on reasonable request</td>
</tr>
<tr>
<td>- Price notification obligation</td>
</tr>
<tr>
<td>BT</td>
</tr>
<tr>
<td>- Charge control</td>
</tr>
<tr>
<td>- Provide network access on reasonable request</td>
</tr>
<tr>
<td>- Requirement not to unduly discriminate</td>
</tr>
<tr>
<td>- Publish a Reference Offer</td>
</tr>
<tr>
<td>- Price notification obligation</td>
</tr>
<tr>
<td>- Accounting separation</td>
</tr>
<tr>
<td>- Cost accounting</td>
</tr>
</tbody>
</table>

\(^2\) We have also used this opportunity to make minor corrections to the list.

\(^3\) For the avoidance of doubt, we are maintaining our proposals in respect of BT and KCOM in relation to the market for WCT as set out in the 2016 NMR Consultation, as amended by the July 2017 NMR Further Consultation.
These proposed remedies are explained in more detail in the 2016 NMR Consultation (see in particular sections 12 to 15), as amended by the July 2017 NMR Further Consultation. Our reasons for imposing these remedies remain as set out in those consultations.

We are inviting stakeholder comments on our updated proposals to designate the list of WCT providers set out in Annex 5 as having SMP.

**ISDN30 Legal Instrument Clarification**

In our 2016 NMR Consultation, we proposed to impose a charge control on wholesale ISDN30 services. This proposal included a control on Direct Dial Inward (DDI) connection services charges for the first relevant year of the charge control. BT offers two separate DDI connections services with separate charges: a planning or change to numbers charge (“planning service”) and a DDI installation charge (“connection service”).

In the consultation, we proposed to regulate DDI connections – including both the planning service and the separate connection service – in the first year only of the next market review period. This reflected our broader proposed approach to ISDN regulation of focusing our regulation on existing ISDN lines, but maintaining regulation on all lines (including connection charges) for a transitional period.

We have noted that draft Condition 5A (Wholesale ISDN30 services charge control), in Annex 6 of the consultation, omitted the charge control for “ISDN30 Direct Dial Inward Planning Service” at £81.57, for the first relevant year of the charge control and included the DDI connection service charge only.

To rectify this omission, we are proposing to amend draft Condition 5A.1A to include a requirement that, in the First Relevant Year, the Dominant Provider must not charge more than £81.57 for the ISDN30 Direct Dial Inward Planning Service.

We are also proposing to amend draft Condition 5A.10 to include a definition of "ISDN30 Direct Dial Inward Planning Service" providing that it means “the planning service for a DDI installation or a change to numbers at a DDI installation” and amending the definition of ISDN30 Direct Dial Inward Services to include ISDN30 Direct Dial Inward Planning Services.

We invite stakeholder comments on the revisions we are proposing to draft Condition 5A to give effect to our proposal to charge control ISDN30 Direct Dial Inward Planning, which are set out at Annex 5 of this document.

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5 2016 NMR Consultation, paragraph 8.39
6 See BT Openreach price list: https://www.openreach.co.uk/orpg/home/products/pricing/loadProductPriceDetails.do?data=dLs8GxYbnYP2uRcs8CSohLVXg9qjg6ZASNDPEpcqzEglMnGHsdC0vzO163bImh34D91D7M0q8u%2F%0AIISgtIFAKw%3D%3D.
7 2016 NMR Consultation, paragraph 8.46.
8 Draft legal instruments Proposals for SMP services conditions.
Consultation and next steps

1.18 We invite comments from stakeholders on the proposals in this document. The consultation runs for one month and the deadline for responses is 22 September 2017. Annex 1 provides further details of how to respond.

1.19 We aim to publish our final NMR statement later in 2017.
A1. Responding to this consultation

**How to respond**

A1.1 Ofcom would like to receive views and comments on the issues raised in this document, by 5pm on 22 September 2017.

A1.2 You can download a response form from [https://www.ofcom.org.uk/consultations-and-statements/category-3/wct-providers-isdn30](https://www.ofcom.org.uk/consultations-and-statements/category-3/wct-providers-isdn30). You can return this by email or post to the address provided in the response form.

A1.3 If your response is a large file, or has supporting charts, tables or other data, please email it to nmr2017@ofcom.org.uk, as an attachment in Microsoft Word format, together with the cover sheet ([https://www.ofcom.org.uk/consultations-and-statements/consultation-response-coversheet](https://www.ofcom.org.uk/consultations-and-statements/consultation-response-coversheet)).

A1.4 Responses may alternatively be posted to the address below, marked with the title of the consultation:

Adam Lacey
Ofcom
Riverside House
2A Southwark Bridge Road
London SE1 9HA

A1.5 If you would like to submit your response in an alternative format (e.g. a video or audio file), please contact Adam Lacey on 0207 9813856, or email adam.lacey@ofcom.org.uk.

A1.6 We do not need a paper copy of your response as well as an electronic version. We will acknowledge receipt if your response is submitted via the online web form, but not otherwise.

A1.7 You do not have to answer all the questions in the consultation if you do not have a view; a short response on just one point is fine. We also welcome joint responses.

A1.8 It would be helpful if your response could include direct answers to the questions asked in the consultation document. The question is listed in Annex 4. It would also help if you could explain why you hold your views, and what you think the effect of Ofcom’s proposals would be.

A1.9 If you want to discuss the issues and questions raised in this consultation, please contact Adam Lacey on 0207 9813856, or email adam.lacey@ofcom.org.uk.

**Confidentiality**

A1.10 Consultations are more effective if we publish the responses before the consultation period closes. In particular, this can help people and organisations with limited resources or familiarity with the issues to respond in a more informed way. So, in the interests of
transparency and good regulatory practice, and because we believe it is important that everyone who is interested in an issue can see other respondents’ views, we usually publish all responses on our website, www.ofcom.org.uk, as soon as we receive them.

A1.11 If you think your response should be kept confidential, please specify which part(s) this applies to, and explain why. Please send any confidential sections as a separate annex. If you want your name, address, other contact details or job title to remain confidential, please provide them only in the cover sheet, so that we don’t have to edit your response.

A1.12 If someone asks us to keep part or all of a response confidential, we will treat this request seriously and try to respect it. But sometimes we will need to publish all responses, including those that are marked as confidential, in order to meet legal obligations.

A1.13 Please also note that copyright and all other intellectual property in responses will be assumed to be licensed to Ofcom to use. Ofcom’s intellectual property rights are explained further at https://www.ofcom.org.uk/about-ofcom/website/terms-of-use.

Next steps

A1.14 Following this consultation period, Ofcom plans to publish a statement later in 2017.

A1.15 If you wish, you can register to receive mail updates alerting you to new Ofcom publications; for more details please see https://www.ofcom.org.uk/about-ofcom/latest/email-updates.

Ofcom’s consultation processes

A1.16 Ofcom aims to make responding to a consultation as easy as possible. For more information, please see our consultation principles in Annex 2.

A1.17 If you have any comments or suggestions on how we manage our consultations, please email us at consult@ofcom.org.uk. We particularly welcome ideas on how Ofcom could more effectively seek the views of groups or individuals, such as small businesses and residential consumers, who are less likely to give their opinions through a formal consultation.

A1.18 If you would like to discuss these issues, or Ofcom’s consultation processes more generally, please contact Steve Gettings, Ofcom’s consultation champion:

Steve Gettings
Ofcom
Riverside House
2a Southwark Bridge Road
London SE1 9HA
Email: corporationsecretary@ofcom.org.uk
A2. Ofcom’s consultation principles

Ofcom has seven principles that it follows for every public written consultation:

Before the consultation

A2.1 Wherever possible, we will hold informal talks with people and organisations before announcing a big consultation, to find out whether we are thinking along the right lines. If we do not have enough time to do this, we will hold an open meeting to explain our proposals, shortly after announcing the consultation.

During the consultation

A2.2 We will be clear about whom we are consulting, why, on what questions and for how long.
A2.3 We will make the consultation document as short and simple as possible, with a summary of no more than two pages. We will try to make it as easy as possible for people to give us a written response. If the consultation is complicated, we may provide a short Plain English / Cymraeg Clir guide, to help smaller organisations or individuals who would not otherwise be able to spare the time to share their views.
A2.4 We will consult for up to ten weeks, depending on the potential impact of our proposals.
A2.5 A person within Ofcom will be in charge of making sure we follow our own guidelines and aim to reach the largest possible number of people and organisations who may be interested in the outcome of our decisions. Ofcom’s Consultation Champion is the main person to contact if you have views on the way we run our consultations.
A2.6 If we are not able to follow any of these seven principles, we will explain why.

After the consultation

A2.7 We think it is important that everyone who is interested in an issue can see other people’s views, so we usually publish all the responses on our website as soon as we receive them. After the consultation we will make our decisions and publish a statement explaining what we are going to do, and why, showing how respondents’ views helped to shape these decisions.
A3. Consultation coversheet

BASIC DETAILS

Consultation title:
To (Ofcom contact):
Name of respondent:
Representing (self or organisation/s):
Address (if not received by email):

CONFIDENTIALITY

Please tick below what part of your response you consider is confidential, giving your reasons why

Nothing ☐
Name/contact details/job title ☐
Whole response ☐
Organisation ☐
Part of the response ☐
If there is no separate annex, which parts? __________________________________________

If you want part of your response, your name or your organisation not to be published, can Ofcom still publish a reference to the contents of your response (including, for any confidential parts, a general summary that does not disclose the specific information or enable you to be identified)?

DECLARATION

I confirm that the correspondence supplied with this cover sheet is a formal consultation response that Ofcom can publish. However, in supplying this response, I understand that Ofcom may need to publish all responses, including those which are marked as confidential, in order to meet legal obligations. If I have sent my response by email, Ofcom can disregard any standard e-mail text about not disclosing email contents and attachments.

Ofcom seeks to publish responses on receipt. If your response is non-confidential (in whole or in part), and you would prefer us to publish your response only once the consultation has ended, please tick here.

Name Signed (if hard copy)
A4. Consultation questions

Question 1: Do you agree with our proposals to designate as having SMP the amended list of WCT providers?

Question 2: Do you have any comments on our proposed amendment to the ISDN30 Legal Instrument?
A5. Draft legal instrument

Proposals for SMP services conditions

NOTIFICATION OF PROPOSALS UNDER SECTION 48A AND 80A OF THE COMMUNICATIONS ACT 2003

Proposals for setting SMP services conditions in relation to BT, KCOM and specified communications providers providing termination services under section 45 of the Communications Act 2003

Background

1. On 1 December 2016, Ofcom published a consultation entitled Narrowband Market Review – Consultation on the proposed markets, market power determinations and remedies for wholesale call termination, wholesale call origination and wholesale narrowband access markets (“2016 NMR Consultation”). Annex 6 to the 2016 NMR Consultation set out the notification under sections 48A and 80A of the Act in which Ofcom proposed to:
   - identify certain markets;
   - make market power determinations; and
   - set SMP conditions
   (the “2016 NMR Notification”).

2. For the purpose of considering market power determinations, among these proposals, Ofcom proposed to identify 315 separate markets in the United Kingdom for wholesale call termination services which are provided by BT, KCOM and each of the 313 communications providers listed in the Annex to Schedule 3 to the 2016 NMR Notification (CP) to another communications provider, for the termination of voice calls to United Kingdom geographic numbers in the area served by that CP.

3. Ofcom proposed to determine that BT, KCOM and each of the persons listed in the Annex to Schedule 3 to the 2016 NMR Notification have significant market power in relation to the relevant market in which that person operates.

4. As a result of the proposed market power determinations, Ofcom proposed to set a number of SMP conditions on BT, KCOM and each of the persons specified in the Annex to Schedule 3 to the 2016 NMR Notification and proposed that those SMP conditions shall apply, in the case of each person on whom they are set, in respect of the relevant market on which that person operates.

5. On 6 July 2017, Ofcom published a further consultation entitled Narrowband Market Review: Further Consultation – Proposals on price notification remedies in the WCT markets and
regulation of BT’s interconnect circuits (the “July 2017 NMR Consultation”). Annex 4 to the July 2017 NMR Consultation set out the notification under section 48A of the Act in which Ofcom set out for domestic consultation its revised proposals (the “July 2017 NMR Notification”).

Proposals in relation to wholesale call termination services

6. Ofcom is proposing to identify 285 separate markets in the United Kingdom for the purpose of considering market power determinations.

7. These are the markets for wholesale call termination services which are provided by BT, KCOM and each of the 283 communications providers listed in the Annex to this Notification (CP) to another communications provider, for the termination of voice calls to United Kingdom geographic numbers in the area served by that CP.

8. Ofcom is proposing that the Annex to this Notification replaces the Annex to Schedule 3 to the 2016 NMR Notification. Ofcom is proposing that each of the communications providers listed in the Annex to this Notification has significant market power in relation to the relevant market in which that person operates.

9. As a result of the proposed market power determinations, Ofcom is proposing to set the SMP conditions proposed in Schedule 3 to the 2016 NMR Notification, as revised by the July 2017 NMR Notification, on each of the persons specified in the Annex to this Notification. Ofcom is proposing that those SMP conditions shall apply, in the case of each person on whom they are set, in respect of the relevant market on which that person operates.

10. For the avoidance of doubt, Ofcom is maintaining its proposals in respect of BT and KCOM set out in the 2016 NMR Notification and as revised by the July 2017 NMR Notification, including its proposals in respect of markets for Wholesale fixed analogue exchange line services, wholesale ISDN30 exchange line services, Wholesale ISDN2 exchange line services, Wholesale call origination on a fixed narrowband network and interconnect (as applicable).

Proposals in relation to SMP condition 5A (Wholesale ISDN30 services charge control) to be applied to BT

11. Ofcom is proposing to amend SMP condition 5A proposed in Schedule 1 to the 2016 NMR Notification as follows:

   (a) in SMP condition 5A.1A,

   (i) by deleting “and” after “ISDN30 Transfer Services”; and

   (ii) by deleting “.” after “(d) £1.04 for the ISDN30 Direct Dial Inward Rental Service” and inserting “and; (e) £81.57 for the ISDN30 Direct Dial Inward Planning Service.”

   (b) In SMP condition 5A.10,

   (i) by inserting “(oa) “ISDN30 Direct Dial Inward Planning Service” means the service for a DDI installation or change to numbers at a DDI installation;” after the definition for ISDN30 Direct Dial Inward Connection Service; and
(ii) by inserting “ISND30 Direct Dial Inward Planning Service,” after “(p) "ISDN30 Direct Dial Inward Services" means the”.

12. It is proposed that the proposals referred to in paragraphs 9 and 11 will take effect from the date of any notification under sections 48(1) and 79(4) of the Act adopting the proposals set out in this Notification.

**Ofcom’s duties and legal tests**

13. The effect of, and Ofcom’s reasons for making, the proposals for identifying the markets, making the market power determinations and determinations in relation to SMP conditions referred to in this Notification are set out in the consultation document accompanying this Notification, the 2016 NMR Consultation and the July 2017 NMR Notification.

14. Ofcom considers that the proposed SMP conditions comply with the requirements of sections 45 to 47, 87 and 88 of the Act, as appropriate and relevant to each such SMP condition.

15. In making all of the proposals referred to in this Notification, Ofcom has considered and acted in accordance with its general duties set out in section 3 of the Act and the six Community requirements in section 4 of the Act. In accordance with section 4A of the Act, Ofcom has also taken due account of all applicable recommendations issued by the European Commission under Article 19(1) of the Framework Directive. Ofcom has also, pursuant to Article 3(3) of Regulation (EC) No 1211/2009, taken the utmost account of any relevant opinion, recommendation, guidelines, advice or regulatory practice adopted by the Body of European Regulators for Electronic Communications (BEREC).

**Making representations**

16. Representations may be made to Ofcom about any of the proposals set out in this Notification and the accompanying consultation document by no later than 22 September 2017.

17. Copies of this Notification and the accompanying consultation document will be sent to the Secretary of State in accordance with sections 48C(1) and 81(1) of the Act.

**Interpretation**

18. For the purpose of interpreting this Notification:

   a. except in so far as the context otherwise requires, words or expressions have the meaning assigned to them in paragraph 19 below, and otherwise any word or expression has the same meaning as it has in the Act;

   b. headings and titles shall be disregarded;

   c. expressions cognate with those referred to in this Notification shall be construed accordingly; and

   d. the Interpretation Act 1978 (c. 30) shall apply as if this Notification were an Act of Parliament.

19. In this Notification:
(a) “2016 NMR Consultation” means the consultation described in paragraph 1 above;

(b) “2016 NMR Notification” means the notification described in paragraph 1 above;

(c) “Act” means the Communications Act 2003 (c. 21);

(d) “BT” means British Telecommunications plc, whose registered company number is 1800000, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006;


(f) “July 2017 NMR Consultation” means the consultation described in paragraph 5 above;

(g) “July 2017 NMR Notification” means the notification described in paragraph 5 above;

(h) “KCOM” means KCOM Group plc, whose registered company number is 02150618, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006;

(i) “Ofcom” means the Office of Communications as established pursuant to section 1(1) of the Office of Communications Act 2002;

(j) “United Kingdom” has the meaning given to it in the Interpretation Act 1978 (c. 30).

Signed

[Signature]

Brian Potterill

Competition Policy Director, Ofcom

A person duly authorised in accordance with paragraph 18 of the Schedule to the Office of Communications Act 2002

22 August 2017
Annex

1. (AQ) Limited whose registered company number is 03663860, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

2. 10ACT Ltd whose registered company number is 05617099, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

3. 24 Seven Communications Limited whose registered company number is 04468566, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

4. 4D Interactive Ltd whose registered company number is 02676756, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

5. Adepteo Limited whose registered company number is 07015559, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

6. Affiniti Integrated Solutions Ltd whose registered company number is 02817039, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

7. Alliance Technologies LLC whose registered entity number is 1616678 (registered in Ohio, USA), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

8. Alnitak GmbH whose registered entity number is HRB149805B (registered in Germany), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

9. Aloha Telecommunications Ltd whose registered company number is 07210905, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

10. Alphatalk Limited whose registered company number is 04828811, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

11. Andrews & Arnold (Numbers) Ltd whose registered company number is 04905897, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

12. Andrews & Arnold Limited whose registered company number is 03342760, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
13. Annecto Telecom Limited whose registered company number is 09009330, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

14. Antheus Telecom Limited whose registered company number is 05480084, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

15. API Telecom Limited whose registered company number is 07945651, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

16. AQL Wholesale Limited whose registered company number is 05134355, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

17. Atlas Interactive Group Limited whose registered company number is 03249486, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

18. Atomstream Limited whose registered company number is 06746855, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

19. AVC One Limited whose registered company number is 08664236, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

20. Barritec Limited whose registered company number is 03636926, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

21. Barritel Limited whose registered company number is 04101655, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

22. Belgacom International Carrier Services SA whose registered company number is BE 0866 977 981, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

23. Bellingham Telecommunications Ltd whose registered company number is 07038166, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

24. Bicom Systems EURL whose registered company number is 478 993 967 (registered in Boulogne-sur-mer, France), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
25. Bright Orange Outsourcing Ltd whose registered company number is 07480717, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

26. BT OnePhone Limited whose registered company number is 08043734, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

27. Budget Numbers Limited whose registered company number is 05006466, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

28. Business Broadcast Communications Limited whose registered company number is 06949556, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

29. Buzz Networks Limited whose registered company number is 03260342, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

30. C2C Limited whose registered company number is 04212219, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

31. Cablecom Networking Limited whose registered company number is 03188615, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

32. Call Collective Limited whose registered company number is 10362056, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

33. Callitech Limited whose registered company number is 03894972, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

34. Callmonitor Limited whose registered company number is 03844878, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

35. Calltracks Limited whose registered company number is 06539973, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

36. Central Technology Limited whose registered company number is 04579191, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

37. CFL Communications Ltd whose registered company number is 04419749, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
38. Cirrus Response Limited whose registered company number is 08700358, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

39. Citrus Telecommunications Ltd whose registered company number is 03517870, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

40. Cloud9 Communications Limited whose registered company number is 07153956, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

41. Cloudcall Limited whose registered company number is 05557457, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

42. Club Communications Ltd whose registered company number is 03408718, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

43. Cobalt Telephone Technologies Limited whose registered company number is 03151938, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

44. COLT Technology Services whose registered company number is 02452736, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

45. Commi Holdings Limited whose registered company number is 10010319, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

46. Connect Telecom UK Limited whose registered company number is 04198443, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

47. Content Guru Limited whose registered company number is 05653869, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

48. Core Communication Services Limited whose registered company number is 05467282, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

49. Core Telecom Limited whose registered company number is 05332008, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

50. Core Telecommunications International Limited whose registered company number is 467960 (registered in Ireland), and any of its subsidiaries or holding companies, or any
subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

51. Coretx Communications Limited whose registered company number is 05402754, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

52. Coretx Protect Limited whose registered company number is 03882936, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

53. Daisy Communications Ltd whose registered company number is 04145329, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

54. Daotec Ltd whose registered company number is 04296038, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

55. Dark Group Ltd whose registered company number is 03766500, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

56. Dial 9 Communications Limited whose registered company number is 07740921, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

57. DIDWW Ireland Limited whose registered company number is 473521 (registered in Ireland), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

58. Digital Mail Limited whose registered company number is 02661078, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

59. Digital Select Limited whose registered company number is 06481372, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

60. Digitech Solutions Global Limited whose registered company number is 05821246, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

61. Digiweb Limited whose registered company number is 263513 (registered in Ireland), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

62. DRD Communications Limited whose registered company number is 03545257, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
63. Dynamic Mobile Billing Limited whose registered company number is 03383285, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

64. E164 Limited whose registered company number is 06982841, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

65. Easynet Channel Partners Limited whose registered company number is 03676297, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

66. Easynet Enterprise Services Limited whose registered company number is 04287100, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

67. EE Limited whose registered company number is 02382161, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

68. Eircom (UK) Ltd whose registered company number is 03478971, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

69. Entanet International Limited whose registered company number is 03274237, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

70. Esendex Limited whose registered company number is 04217280, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

71. Essensys Ltd whose registered company number is 05959557, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

72. ETC Telecom Limited whose registered company number is 06295193, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

73. Exa Networks Limited whose registered company number is 04922037, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

74. Exponential-e Limited whose registered company number is 04499567, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

75. Fibernet UK Limited whose registered company number is 02940263, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
76. Fido Telecom Limited whose registered company number is 05495621, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

77. Firstsound Limited whose registered company number is 02845928, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

78. Flextel Limited whose registered company number is 02772380, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

79. Fluency Communications Limited whose registered company number is SC390685, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

80. Foehn Limited whose registered company number is 03925996, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

81. Franzcom Ltd whose registered company number is 09386992, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

82. Fuse 2 Communications Ltd whose registered company number is 09556526, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

83. Game Network BV whose registered company number is 34260590 (registered in the Netherlands), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

84. Gamma Telecom Holdings Limited whose registered company number is 04287779, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

85. GCI Network Solutions Limited whose registered company number is 04082862, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

86. Global Reach Networks Limited whose registered company number is 04349826, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

87. Group 3 Technology Limited whose registered company number is 04127747, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

88. Hello Telecom (UK) plc whose registered company number is 04489059, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
89. Hemshore Ltd whose registered company number is 09185481, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

90. HighSpeed Office Limited whose registered company number is 03935705, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

91. Hospedia Limited whose registered company number is 02841021, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

92. Hyperoptic Ltd whose registered company number is 07222543, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

93. I.T Communications Limited whose registered company number is 07418692, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

94. ICC Networks Limited whose registered company number is 05755098, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

95. Icron Network Limited whose registered company number is 05445235, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

96. IDT Global Limited whose registered company number is 03322447, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

97. iHub 2 Limited whose registered company number is 09626588, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

98. IM Software Ltd whose registered company number is 04602389, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

99. Impello PLC whose registered company number is 04558469, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

100. In2com Ltd whose registered company number is 397687 (registered in Ireland), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

101. Inclarity Communications Ltd whose registered company number is 07193672, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
102. i-Net Communications Group Plc whose registered company number is 04036526, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

103. iNet Telecoms Ltd whose registered company number is 05168033, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

104. Intercity Telecom Limited whose registered company number is 02348040, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

105. Internexus Networks Limited whose registered company number is 83610 (registered in Jersey), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

106. Interoute Networks Limited whose registered company number is 03773255, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

107. “InTouch Communication Services” Limited whose registered company number is 03606467, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

108. Invade International Limited whose registered company number is 03660482, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

109. Invoco Ltd whose registered company number is 04465219, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

110. Invosys Limited whose registered company number is 05799390, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

111. IOVOX Limited whose registered company number is 06057954, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

112. IP Wholesale Limited whose registered company number is 09070835, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

113. IP Phone Solutions Ltd whose registered company number is 06681608, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

114. IPV6 Limited whose registered company number is 06711525, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
115. IV Response Limited whose registered company number is 04318927, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

116. JT (Global) Limited whose registered company number is 03122929, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

117. Jtec UK Limited whose registered company number is 05054246, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

118. Kalnet4u Ltd whose registered company number is 04655311, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

119. KDDI Europe Limited whose registered company number is 02407242, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

120. Lanonyx Telecom Limited whose registered company number is 07658086, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

121. Level 3 Communications Limited whose registered company number is 03514850, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

122. Level 3 Communications UK Limited whose registered company number is 2495998, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

123. Linear Telecoms Limited whose registered company number is 06917811, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

124. Liquid 11 Limited whose registered company number is 04404380, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

125. Localphone Limited whose registered company number is 06085990, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

126. London Central Communications Limited whose registered company number is 02184289, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

127. Lycatel (Ireland) Limited whose registered company number is 357730 (registered in Ireland), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
128. M247 Ltd whose registered company number is 04968341, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

129. Magrathea Telecommunications Limited whose registered company number is 04260485, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

130. Marathon Telecom Limited whose registered company number is 93007 (registered in Jersey), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

131. Mars Communications Limited whose registered company number is 06478834, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

132. Media Hawk Limited whose registered company number is 04432034, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

133. Media Telecom Limited whose registered company number is 07126854, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

134. Metronet (UK) Limited whose registered company number is 04975343, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

135. Mi Telecom Limited whose registered company number is 02668468, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

136. Microtalk Europe Limited whose registered company number is 05317737, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

137. Minotaur Telecom Limited whose registered company number is 08147848, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

138. Mintaka Limited whose registered company number is 07064805, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

139. Nationwide Telephone Assistance Limited whose registered company number is 04315226, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

140. Nectar Cloud Ltd whose registered company number is 07948894, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
141. Need More Time Limited whose registered company number is 03925530, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

142. Net Solutions Europe Limited whose registered company number is 03203624, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

143. Netfuse Telecom Ltd whose registered company number is 07923863, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

144. Net-Work Internet Ltd whose registered company number is 03900685, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

145. Neutrino Networks Ltd whose registered company number is 07457504, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

146. New Call Telecom Limited whose registered company number is 07298834, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

147. NewVoiceMedia Limited whose registered company number is 03602868, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

148. Nexbridge Communications Limited whose registered company number is 07179973, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

149. Nextec (UK) Limited whose registered company number is 06015444, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

150. Nexus Telecommunications Limited whose registered company number is 03895766, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

151. NFON UK Ltd whose registered company number is 08510507, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

152. NG Network Consultancy Ltd whose registered company number is 06920255, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

153. Node 4 Limited whose registered company number is 04759927, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
154. Nodemax Limited whose registered company number is 06127089, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

155. Numbergroup Network Limited whose registered company number is 07390438, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

156. Numbers Plus Ltd whose registered company number is 07611130, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

157. Numbers Telecom Ltd whose registered company number is 07936388, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

158. Odyssey Systems Limited whose registered company number is 02517487, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

159. Opex Hosting Ltd whose registered company number is 04391287, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

160. Orange Business Holdings UK Limited whose registered company number is 03051335, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

161. Orbital Net Limited whose registered company number is 03761505, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

162. Orbtalk Limited whose registered company number is 05382664, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

163. OVH Limited whose registered company number is 05519821, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

164. PCI-PAL (U.K.) Limited whose registered company number is 03960535, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

165. Phone Co-Op Numbering Limited whose registered company number is 07432108, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

166. Planet Numbers Limited whose registered company number is 03823269, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
167. Plus Telecom Limited whose registered company number is 04052436, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

168. Port 5060 Limited whose registered company number is 08332891, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

169. Premier Voicemail Limited whose registered company number is 03172426, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

170. Promotions4All Ltd whose registered company number is 07046038, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

171. Pulsant (Scotland) Limited whose registered company number is SC236128, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

172. Pure IP Limited whose registered company number is 05024088, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

173. Quad Connect Ltd whose registered company number is 08213958, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

174. QX Telecom Ltd whose registered company number is 03820728, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

175. Radius Communications Limited whose registered company number is 08510594, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

176. Real Telekom Limited whose registered company number is 04621678, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

177. Real Time Telecoms Ltd whose registered company number is 05519646, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

178. Reality Network Services Ltd whose registered company number is 04267969, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

179. Red Matter Limited whose registered company number is 06968219, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
180. Red Telecom Solutions Limited whose registered company number is 08902433, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

181. Redcentric Solutions Limited whose registered company number is 08322856, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

182. Relax Telecom Limited whose registered company number is 06777698, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

183. Relish Network PLC whose registered company number is 03921568, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

184. Resilient Plc whose registered company number is 01403177, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

185. Rexcom Tech Limited whose registered company number is 06693961, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

186. Sala Trading Ltd whose registered company number is 03617973, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

187. Served Up Ltd whose registered company number is 04555918, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

188. Sesui Limited whose registered company number is 04975554, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

189. ShoreTel UK Limited whose registered company number is 05947793, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

190. Simetric Telecom Ltd whose registered company number is 07051067, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

191. Simwood eSMS Limited whose registered company number is 03379831, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

192. SingTel (Europe) Limited whose registered company number is 03426947 and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
193. Sipcentric Ltd whose registered company number is 07365592, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

194. SKD 4 Limited whose registered company number is 04335920, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

195. Sky UK Limited whose registered company number is 02906991, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

196. Skype Communications S.à.r.l. whose registered company number is B100468 (registered in Luxembourg), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

197. Sleek Networks Limited whose registered company number is 05611125, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

198. Solutios Limited whose registered company number is 03977874, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

199. Sound Advertising Limited whose registered company number is 03218628, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

200. Spacetel UK Limited whose registered company number is 03036383, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

201. Spitfire Network Services Limited whose registered company number is 02657590, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

202. Spoke (Interactive) Limited whose registered company number is 02372101, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

203. Square Systems Limited whose registered company number is 03047595, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

204. Square 1 Communications Limited whose registered company number is 04541344, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

205. Stardex (UK) Limited whose registered company number is SC192625, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
206. Storacall Technology Limited whose registered company number is 02578478, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

207. Stour Marine Limited whose registered company number is 05914603, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

208. Stream Live Limited whose registered company number is 03487227, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

209. Subtopia Ltd whose registered company number is 08784460, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

210. Supported Business Limited whose registered company number is 08254365, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

211. Suretec Systems Limited whose registered company number is SC258005, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

212. Swiftnet Limited whose registered company number is 02469394, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

213. Swisstok Telnet UK Limited whose registered company number is 09409620, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

214. Syntec Limited whose registered company number is 03529985, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

215. Tabsoft Limited whose registered company number is 05846429, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

216. Talk Numbers Limited whose registered company number is 05972811, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

217. TalkTalk Communications Limited whose registered company number is 03849133, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

218. Telappliant Limited whose registered company number is 04632756, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
219. TelcoSwitch Limited whose registered company number is 09687883, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

220. Telecom2 Limited whose registered company number is 06926334, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

221. TelecomIQ Limited whose registered company number is 08561455, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

222. Telecoms Cloud Networks Limited whose registered company number is 09071980, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

223. Telecoms World Direct Limited whose registered company number is 05861680, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

224. Telecoms World Plc whose registered company number is 03576847, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

225. Teledesign Limited whose registered company number is 03254784, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

226. Telefonica UK Limited whose registered company number is 01743099, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

227. TeleMagic Ltd whose registered company number is 07390681, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

228. Telemix Limited whose registered company number is 05245040, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

229. Telephone Box Limited whose registered company number is 07198723, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

230. TeleSurf Ltd whose registered company number is 06427905, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

231. TeleWare Public Limited Company whose registered company number is 04756742, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
232. Telsis Systems Limited whose registered company number is 02312314, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

233. TelXL Limited whose registered company number is 04249562, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

234. Tesla Dynamic Limited whose registered company number is 08161832, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

235. Test2date B.V. whose registered company number is 30194024 (registered in the Netherlands), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

236. TGL Services (UK) Limited whose registered company number is 09293520, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

237. The Excell Group Plc whose registered company number is 03678027, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

238. Timico Limited whose registered company number is 04841830, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

239. Tipicall Limited whose registered company number is 03216399, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

240. Tismi B.V. whose registered company number is 32081827 (registered in the Netherlands), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

241. Tripudio Limited whose registered company number is 05567444, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

242. Truphone Limited whose registered company number is 04187081, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

243. TTNC Limited whose registered company number is 05256607, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

244. Tuxtel Ltd whose registered company number is 06774113, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
245. Twelve Telecom Limited whose registered company number is 07846351, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

246. UK Number Store Limited whose registered company number is 02883497, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

247. United Connect Limited whose registered company number is 03204967, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

248. Update Infrastructure (UK) Limited whose registered company number is 06957593, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

249. Vectone Mobile Limited whose registered company number is 04553934, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

250. Verizon UK Limited whose registered company number is 02776038, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

251. Viatel Global Services (UK) Limited whose registered company number is 09735402, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

252. Via-Vox Limited whose registered company number is 04646978, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

253. Vibe Communications UK Ltd whose registered company number is 05742367, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

254. Virgin Media Limited whose registered company number is 02591237, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

255. Virtual Talk Limited whose registered company number is 04890632, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

256. Vizion Communication Limited whose registered company number is 08332664, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

257. Vodafone Limited whose registered company number is 01471587, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
258. Voice Simplified Ltd whose registered company number is 07171825, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

259. Voiceflex Limited whose registered company number is 03544845, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

260. VoiceHost Limited whose registered company number is 05851537, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

261. Voicenet Solutions Limited whose registered company number is 05083841, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

262. Voiceserve Limited whose registered company number is 04401935, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

263. Voicetec Systems Limited whose registered company number is 03948745, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

264. VOIP-4U Limited whose registered company number is 05142934, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

265. VOIP-Un Limited whose registered company number is 05225497, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

266. Vonage Limited whose registered company number is 05199171, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

267. Voxbone SA whose registered company number is BE 0478.928.788 (registered in Belgium), and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

268. Voxclever Limited whose registered company number is 06825458, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

269. VTSL Limited whose registered company number is 02705136, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

270. Wavecrest (UK) Ltd whose registered company number is 03042254, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.
271. We Love Communications Limited whose registered company number is 07838466, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

272. West Cloud Contact Solutions Limited whose registered company number is 03637644, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

273. Wightfibre Limited whose registered company number is 05470659, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

274. Windsor Telecom Plc whose registered company number is 03752620, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

275. Wizaner Limited whose registered company number is 02530183, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

276. XoverX Ltd whose registered company number is 08319701, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

277. YayYay Limited whose registered company number is 08738610, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

278. Yim Siam Telecom whose address is PO Box 112, 15-17 Caledonian Road, London, N1 9DX.

279. York Data Services Limited whose registered company number is 04753514, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

280. Zamir Telecom Limited whose registered company number is 05286517, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

281. Zestel Ltd whose registered company number is 08235267, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

282. Ziron (UK) Ltd whose registered company number is 07597853, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.

283. Zsquare Global Solutions Limited whose registered company number is 04185214, and any of its subsidiaries or holding companies, or any subsidiary of such holding companies, all as defined by section 1159 of the Companies Act 2006.