

SCHEDULE 11

Reciprocal Geographic Number Portability

1. Definitions

1.1 In this Schedule, a reference to a paragraph or Appendix unless stated otherwise is to a paragraph or Appendix of this Schedule. Words and expressions have the meaning given in Clause 1, except as shown below:

“Geographic Number”	the telephone Number associated with a Customer’s Network Termination Point (or the equivalent point in the Operator System) at a fixed location and commencing with the S digit 1 or 2;
“Geographic Number Portability”	an arrangement between the Parties whereby a Customer using a Geographic Number ceases to be provided with a Network Termination Point (or the equivalent point in the Operator System) by the Range Holder System and such Customer is provided with a Network Termination Point (or the equivalent point in the Operator System) by the Recipient System, such Network Termination Point(or the equivalent point in the Operator System) having the same Geographic Number as had the ceased Network Termination Point (or the equivalent point in the Operator System) on the Range Holder System;
“Mobility”	the supply by a Party to its Customer of a service whereby such Customer shall be provided with a new Network Termination Point (or the equivalent point in the Operator System) at a different address or at a different set of premises and retain the same Geographic Number(s) as the Customer had at a different address or different set of premises immediately before the provision of such new Network Termination Point (or the equivalent point in the Operator System);
“NP Area”	such area (within the licensed area referred to in the Operator Licence) as has been agreed in writing by the Parties in which Geographic Number Portability will be carried out;
“Number Group”	a range of consecutive Geographic Numbers used as a group by a Party for certain functional or Customer purposes;
“Ported Number NTP”	a Network Termination Point (or the equivalent point in the Operator System) on

“Range Holder”	the Recipient System being a Network Termination Point (or the equivalent point in the Operator System) to which a Geographic Number has been ported;
“Range Holder Mobility Area”	the Party from whose System the Geographic Number is being ported; the area within which at the time of a request to port a Geographic Number, or provide Mobility to a previously ported Geographic Number, the Range Holder, as part of its normal retail service, would provide Mobility to the Customer;
“Range Holder System”	the System from which the Geographic Number is being ported;
“Recipient”	the Party to whose System the Geographic Number is being ported;
“Recipient System”	the System to which the Geographic Number is being ported;
“Subsequent Portability”	an arrangement to undertake geographic number portability of a Geographic Number involving either of the Parties and a Third Party Operator, where the other Party is either the Range Holder for such number or else the current Recipient of a Geographic Number for which the Third Party is Range Holder, and the co-operation of the other Party is necessary to avoid a return-to Range Holder scenario;

2. Description of Service

2.1 Subject to the provisions of this Schedule 11, including the Appendices, the Parties shall provide Geographic Number Portability in the NP Area(s).

2.2 In respect of the conveyance of CLI for display to Customers:

2.2.1 at the time of agreeing the NP Area, or forthwith if the NP Area has been agreed, each Party shall inform the other in writing of its policy and practice,

2.2.2 each Party shall give the other not less than three months’ notice in writing of any planned change to such policy or practice,

as such affect the provision of service to a Customer’s Ported Number NTP.

2.3 A Geographic Number which has been ported pursuant to this Schedule is only usable by the Recipient within the Range Holder Mobility Area.

- 2.4 If a Customer having a Ported Number NTP ceases service with the Recipient System (except as provided in paragraph 3 or as otherwise agreed in writing by the Parties) or moves outside the Range Holder Mobility Area, the Geographic Number of the Ported Number NTP shall revert to the Range Holder for use in the Range Holder System.
- 2.5 The Parties agree that the Calls handed over from each other to Ported Number NTPs shall be conveyed in accordance with whichever one or more of the Schedules is relevant.
- 2.6 Each Party shall correct faults which occur in its System which affect the conveyance of Calls to Ported Number NTPs in accordance with such Party's normal engineering practices. For the avoidance of doubt, neither Party warrants that its System is, or will be, free from faults.
- 2.7 The Parties agree, for the purposes of the provision of Geographic Number Portability (including ported number order handling), to operate in accordance with the Geographic Number Portability End-to-End Process Manual ("Process Manual") as such may be agreed from time to time by the Operator Policy Forum Geographic Number Portability Focus Group, as if such document were a Manual under the provisions of this Agreement.

3. Subsequent Portability

- 3.1 For Subsequent Portability the Parties shall co-operate to facilitate such transfer in general accordance with the provisions of the Process Manual, including without exception, the process for ordering/cancelling service and the provision of emergency restoration activity, where appropriate.
- 3.2 If one of the Parties becomes a Recipient as a result of Subsequent Portability:
- 3.2.1 the Parties shall co-operate to facilitate such transfer of service in accordance with the general provisions of the Process Manual; and
- 3.2.2 the Recipient shall:
- (i) ensure the provision of the appropriate ordering and cancellation documentation in accordance with the Process Manual;
 - (ii) co-ordinate the timing of the porting activity by such Third Party Operator and the other Party as Range Holder;
 - (iii) assume responsibility for the initiation and co-ordination of any necessary emergency restoration activity by the other Party as Range Holder and such Third Party Operator; and
 - (iv) subject to Clause 20 of the main body of this Agreement, indemnify the other Party and keep it indemnified from all claims relating to loss of service pursuant to such Subsequent Portability, other than any loss as a consequence of any failure of the Range Holder to port or undertake emergency restoration in accordance with the provisions of the Process Manual.

4. Technical Principles

4.1 The conveyance of Calls to Ported Number NTPs shall be in accordance with the routing principles specified in Annex 2 and appendix 11.1.

5. Charging

5.1 The Parties agree, for the conveyance of Calls handed over from one System to the other to Ported Number NTPs, to pay a charge in accordance with whichever one or more of the Schedules is relevant; which charges shall be ascertained and paid for by the Parties in accordance with such Schedules in addition to such other charges as may be payable pursuant to this Schedule.

5.2 The Parties shall pay the charges at the rates for Geographic Number Portability specified from time to time in the Kingston Interconnection Price List.

APPENDIX 11.1

TECHNICAL PRINCIPLES

Where appropriate, references are made to relevant aspects of the Geographic Number Portability Service Description (PNO-ISC/SER/003 (ND1203:2000/05)) which is available from NICC.

1. Network Aspects

1.1 *UK Numbering Scheme.*

For the purposes of this Schedule, the KCH and Operator Systems shall have DE ranges available for porting which have been allocated within numbering group geographical boundaries aligning with UK numbering principles.

If changes in number area codes or local numbers become necessary, the Parties shall co-ordinate the changes in accordance with the timetable for change.

1.2 *Types of Switch tested.*

The current types of switch approved for operation within the GNP Service Description (PNO-ISC/SR/003 (ND1203:2000/05)) are as listed in the Process Manual.

1.3 *Services not available because of technical difficulty:*

Difficulties may arise in operating certain services e.g. certain ISDN (ETSI) Basic Rate features may not be supported between the Systems (Appendix B to the Generic Signalling System No. 7 Specification refers).

1.4 *Service Requirements*

1.4.1 Calling Line Identification

Where Numbers have been ported from the Range Holder System to the Recipient System, the correct CLI shall be conveyed for administration purposes.

1.4.2 Operator Services

The correct generation and exchange of CLI for operator services use shall not be inhibited by Geographic Number Portability provision in either System.

The Operator assistance services and directory enquiry services of the Recipient must be able to identify that a Geographic Number has been ported.

1.4.3 Emergency Calls

The Recipient must ensure that Emergency Calls from each ported Number are correctly routed to its Emergency Services operator, who can recognise that the Geographic Number has been ported to the Recipient System, and correctly identify the address of the Calling Party.

2. Routing Prefix Arrangements

2.1 Requirements

2.1.1 Calls shall be addressed to the Switch Connection in the Recipient System by means of routing number portability prefix codes inserted by the Range Holder System on recognition that the telephone number has been ported.

2.1.2 The allocation of number portability prefix codes in blocks for each Operator will be carried out by Oftel. The Recipient System will assign the prefixes to the relevant Switch Connection or parented unit and notify the Range Holder System during the planning stage of the service establishment process.

2.1.3 If changes to number portability prefix codes are required in the Range Holder System to permit altered routings ("service maintenance"), the changes shall be regarded as chargeable Data Management Amendments under paragraph 7 of Annex 3.

2.2 Prefix Structure

The number portability prefix codes for Geographic Number Portability have a fixed length of six digits with an initial digit value of 5 to indicate the "Geographic Number Portability" function.

2.3 Number Flow.

Number flows for re-routing of calls shall conform with the following format:

5XXXXX 0SABCDEFGHJ

where 5XXXXX is the number portability prefix code and ABC is the Numbering Area Code

3. Traffic Routing

3.1 Calls originating in the Range Holder System or from other systems shall be handed over to a Switch Connection in the Recipient System over one or more existing Points of Connection as defined by Annex 3.

- 3.2 The re-routed Call shall be addressed to a destination exchange in the Recipient System using a number portability prefix code, see paragraph 2.2 of this Appendix.
- 3.3 Tromboning of Calls through the Range Holder System shall not be permitted from a local exchange which is both the Call originating point and the Recipient exchange, unless agreed specifically between the Parties.
- 3.4 To prevent call loops between Systems, any Call with porting prefix arriving at a Recipient Local Exchange (LE) must either be correctly terminated or else failed. No attempts shall be made to pass a Call back to the originating System.
- 3.5 The following routing principles shall apply for routing of Geographic Number Portability Calls:
 - 3.5.1 Both Range Holder and Recipient shall co-operate in the provision of resilience routing for Calls.
 - 3.5.2 Unless otherwise agreed, not more than one tandem exchange shall be provided on the segment of the Call from the Range Holder LE to the interconnecting Switch Connection i.e. the segment to consist of a maximum of one tandem exchange and one interconnecting Switch Connection.
 - 3.5.3 Two diverse routings shall be made available for onward routing from the Range Holder LE in order that there shall be no single point of failure in the Range Holder System other than the Range Holder LE.
 - 3.5.4 Where direct LE interconnection exists, use of such routes shall be permitted for portability traffic terminating at the Recipient LE, at the discretion of the Range Holder.
 - 3.5.5 The Recipient's routing proposals for import and export will be agreed by the Parties in accordance with the Process Manual.

4. Traffic Forecast

- 4.1 Geographic Number Portability Traffic Forecasts shall be incorporated into the Traffic Forecasts in accordance with Annex 3.
- 4.2 The format of the Geographic Number Portability Traffic Forecast will follow that defined in Annex 3.
- 4.3 Forecasts of volumes for Geographic Number Portability orders shall be provided by the Recipient to the Range Holder at the intervals and in the format agreed by the Parties.
- 4.4 If Geographic Number Portability is implemented by Calls being re-routed from a Range Holder LE back to a Range Holder Tandem Switch, the Recipient will inform the Range Holder of any significant increase in the

expected traffic to be transmitted by a Range Holder LE, as a result of increases of traffic to ported Numbers. The Recipient will inform the Range Holder on a per LE basis and in this context “significant” is defined as a step increase of 20 Erlangs. There shall be no requirement for the Recipient to inform the Range Holder of such changes of traffic to a Range Holder LE, if the Range Holder changes to a call drop back method of implementing Geographic Number Portability.

- 4.5 The Range Holder shall use its reasonable endeavours to provide not less than three months’ notice to the Recipient and to Oftel, where an exchange area is expected to exhaust its capacity for Geographic Number Portability.

5. Network Performance

The performance of Calls to ported Numbers will not always be up to the standard of the equivalent direct Call.

6. Network Testing Of Geographic Number Portability

- 6.1 Generic switch testing of Geographic Number Portability is specified within the interconnect testing specification of the GNP Service Description (PNO-ISC/SER/003 (ND1203:2000/05)) which is available from NICC.
- 6.2 A testing programme with allocation of appropriate resources shall be agreed by the Parties.

7. Number Information

- 7.1 If the Operator has an agreement with KCH providing for entries in KCH’s Telephone Directories and Number Database System (NDS), and a KCH Geographic Number is ported to the Operator System, the existing entries in KCH’s NDS will be deleted unless the Operator makes a specific continuation request to KCH not later than 28 calendar days from the date of such porting.
- 7.2 The KCH NDS entries in respect of each such ported Geographic Number shall either be continued unchanged or deleted.
- 7.3 For the avoidance of doubt, the Parties shall follow the processes and, where appropriate pay charges, in accordance with the agreement referred to in paragraph 7.1 of this Appendix for any requested amendments to such entries.