



Direct Wholesale Roaming Access Agreement

Version 1.0 DNA 1 January 2013

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DirectWholesaleRoamingAccessAgreement

Between

DNALtd

Havingitsregisteredaddress:

Läkkisepäntie21

FIN-00620HELSINKI

Finland

.....
(Hereinafterreferredtoas" **DNA**")

And

<DirectWholesaleRoamingAccessSeeker> ,

havingitsregisteredaddress:

.....
(Hereinafterreferredtoas"B")

(Together"TheParties")

1 Introduction

- 1.1 European Union ("EU") Mobile network operators shall meet all reasonable requests for wholesale roaming access according to Article 3 of the Regulation (EU) 531/2012. It is for each individual mobile network operator to determine what constitutes a reasonable request for wholesale roaming.
- 1.2 Subject to Article 3 of the Regulation (EU) 531/2012, the Parties shall enter into this unilateral Agreement for International Roaming for the provision by DNA of Services in order to enable Roaming Customers of to gain access to mobile telecommunications services in the geographic areas where DNA operates a PMN.
- 1.3 The Annexes, including the Overview of the Annex Structure, constitute an integral part of the Agreement. In case of discrepancy between different parts of the Agreement the following order of interpretations shall be applied:
1. the main body of this Agreement; and
 2. the Annexes
- 1.4 In case of additional requirements, exceptions and/or contradictions between the Agreement and any Technical Specifications or GSMA Association Permanent Reference Documents, the provisions of the Agreement shall prevail.
- 1.5 Subject to applicable laws, the Parties agree to be bound by GSMA Permanent Reference documents relevant to International Roaming provided by DNA from time to time, for example:
1. GSMA PRDs related to Quality of Service;
 2. GSMA PRDs related to Fraud Detection; and
 3. GSMA PRDs relating to Billing between the Parties including Invoicing and Settlement.

2 Starting Date

- 2.1 The actual commercial starting date for Direct Wholesale Roaming Access shall be the date as agreed by both Parties in written form after successful completion of all necessary network and billing test procedures.

3 Definitions

For the purpose of the Agreement the following terms shall have the meanings set forth in their respective definitions below, unless a different meaning is called for in the context of another provision in the Agreement:

- 3.1. " **Affiliated Company** " of a Party means any other legal entity:

1. directly or indirectly owning or controlling the Party, or
 2. under the director or indirect ownership or control of the same legal entity directly or indirectly owning or controlling the Party, or
 3. directly or indirectly owned or controlled by the Party,
- for so long as such ownership or control lasts.

Ownership or control shall exist through the direct or indirect ownership of more than 50% of the nominal value of the issued equity share capital or of more than 50% of the shares entitling the holders to vote for the election of directors or persons performing similar functions.

- 3.2. " **Agreement**" shall mean this Wholesale Roaming Access Agreement together with the Annexes attached hereto.
- 3.3. " **Date of the Agreement** " shall mean the date as of which both Parties have signed the Agreement by their duly authorized representatives.
- 3.4. ' **Direct Wholesale Roaming Access**' means the making available of facilities and/or services by a mobile network operator to another undertaking, under Regulation (EU) 531/2012 defined conditions, for the purpose of that other undertaking providing **regulated roaming services** to roaming customers;
- 3.5. " **GSM Association Permanent Reference Documents** " means a document noted as such by the GSMA and listed as such by the GSMA on the list of Permanent Reference Documents.
- 3.6. " **International Roaming** " or " **IR**" shall mean the provision of Services by DNA in respect of which access is granted to Roaming Customers of through DNA's PMN.
- 3.7. " **Public Mobile Network** " or " **PMN**" shall mean a network that complies with the definition of a GSM network as set out in the Articles of Association of the GSM Association (AA.16).
- Note:** In AA16 GSM network refers to the family of GSM mobile communication systems and future evolutions thereof, e.g. GSM, DCS, PCS, UMTS or its equivalent.
- 3.8. " **Roaming Customer** " shall mean a person or entity with a valid legal relationship with using a GSM SIM (Subscriber Identity Module) and/or a GSM USIM (Universal Subscriber Identity Module) for use by that person or entity of the Services while roaming on DNA's PMN in accordance with the terms and conditions of this Agreement.
- 3.9. " **Services**" shall mean the services as specified by DNA in Annex 8, which may be amended from time to time by DNA.
- 3.10. " **Session**" shall mean the time between PDP Context Activation until PDP Context deactivation.
- 3.11. " **TAP**" shall mean Transferred Account Procedure as defined and described in GSM Association Permanent Reference Documents.
- 3.12. " **Technical Specifications** " shall mean the technical specifications defined and adopted by 3GPP (Third Generation Partnership Project), including the ETSI technical specifications defined and adopted by 3GPP.

4 Annexes

- 4.1 The Annexes are divided as set out in the Overview of the Annex Structure.

5 Scope of the Agreement

- 5.1 In respect of and subject to their licenses or rights and other national binding regulations to establish and operate Public Mobile Networks or to offer services to the Public, DNA agrees to offer Services and B agrees to pay for Services, subject to *Article 5.2*, in accordance with:

1. relevant Technical Specifications;
2. all binding GSM Association Permanent Reference Documents as provided by DNA to B; and

3. those non-binding GSM Association Permanent Reference Documents which are agreed by the Parties and specifically set out in the Annexes;

including in each case all the commercial aspects, as defined in the Agreement, including the Annexes hereto.

- 5.2 Additional requirements and exceptions to the Technical Specifications and GSM Association Permanent Reference Documents, as agreed between the Parties, are detailed in the Agreement and/or Annexes to the Agreement.

6 Implementation of the Network and Services

- 6.1 The Services provided by DNA are defined in Annex 8 and may be amended from time to time by DNA. In addition:

1. the Services shall only be made available to individual Roaming Customers having valid legal relationships with ;
2. The availability of Services may depend on the availability of appropriate functionality; and
3. Roaming Customers, during roaming, shall experience conditions of service that do not differ substantially from those provided to other parties requesting the Services of DNA.
4. Services are provided based on the precondition that Roaming Customers of are expected to have a usage pattern that does not differ from other EU roaming customers on DNA's network.
5. For some EU destinations Roaming Customers of can access while on DNA's network so called regulated wholesale roaming tariffs may not apply due to higher termination rates

7 Management of Modifications to the Services

- 7.1 Following notice of changes served by DNA to implement new Services or changes to any existing Services in accordance with Article 17.2 both Parties shall discuss the impact of any such change for Roaming Customers (including Roaming Customers accessing these Services), including without limitation, in relation to:

1. network and billing test procedures set out in the Technical Specifications and the GSM Association Permanent Reference Documents, as requested by either Party;
2. administrative activities; and
3. the targeted starting date for the changed services.

8 Forecasting

- 8.1 DNA is entitled to ask Band B must provide, prior to the launch, a forecast of all voice, SMS and data traffic for the 12 months after commercial launch and such a request may be made and must be replied to annually thereafter.

9 Charging, Billing & Accounting

- 9.1 DNA is entitled to ask Band B must provide, prior to the commercial launch, a bank guarantee based on the traffic forecast for the coming twelve months. If traffic volumes change the roaming provider may require the bank guarantee to be changed accordingly.

- 9.2 When a Roaming Customer uses the Services made available hereunder by DNA, shall be responsible for payment of charges for the said Services used in accordance with the tariff of DNA.

9.3 shall not be liable for the payment of charges for chargeable Services provided by DNA without Subscriber Identity Authentication as defined in GSM Association Permanent Reference Documents, except to the extent that actually recovers all charges due in relation to the Roaming Customer. In the case of re-authentication malfunction, procedures are further detailed in Annex 3.

10 Implementation of TAP

10.1 The Parties shall implement TAP according to the GSM Association Permanent Reference Documents and the provisions set out in Annex 3.1.

11 Billing and Accounting

11.1 The Parties shall implement billing and accounting according to the GSM Association Permanent Reference Documents and the provisions set out in Annex 3.2.

12 Customer Care

12.1 The responsibilities of each Party concerning Customer Care are described in Annex 4.

13 Confidentiality

13.1 The Parties agree that all aspects of the contents of the Agreement shall be treated as Information (as defined below) and no information in respect to the content of the Agreement shall be disclosed without the prior written consent of the Parties except as reasonably necessary to implement the Agreement.

13.2 In addition to Article 13.1 hereof, the Parties hereby agree to treat all information exchanged between them (hereinafter referred to as "Information") as confidential and agree not to disclose such Information in any manner whatsoever, in whole or in part except as provided in this Article 13. The Parties shall not use any Information other than in connection with the discussions between them and any transactions resulting therefrom, or for the provision of the Services as contemplated herein. The Parties are also entitled to disclose Information to third parties in the context of a possible bona fide acquisition or sale of its operations in support of reasonably related due diligence activities in respect thereof, or for the borrowing of funds or obtaining of insurance, in which case any third parties (including lenders or insurance companies) involved in such activities shall be obliged to enter into confidentiality agreements which have the equivalent content as this Article 13.3 before receiving the Information. In addition to the foregoing, the Parties shall also be entitled to share information with Affiliated Companies, directors, agents, professional advisers, contractors, employees or resellers on a need to know basis provided that such Affiliated Companies, agents, contractors, employees or resellers have entered into confidentiality agreements in forms substantially equivalent to and on terms and conditions no less stringent than the terms and conditions set out in this Article 13.3. Subject to Article 13.3 hereof, each Party shall be liable in accordance with Article 16 (subject to Article 13.3 hereof) toward the other Party(ies) in respect of any unauthorized disclosure of Information made by any other authorized recipients.

13.3 Notwithstanding Article 16 each Party shall be liable under this Agreement to the other Party in respect of any proven damage or loss to the other Party caused by its unauthorised use or disclosure of such information only up to the sum of five hundred thousand (500,000) EUR.

13.4 Notwithstanding Article 13.1 above, Information and the contents of this Agreement may be transmitted to governmental, judicial or regulatory authorities, as may be required by any governmental, judicial or regulatory authority.

- 13.5** For the purposes of the Agreement, Information and the contents of this Agreement shall not be considered to be confidential if such Information is:
1. in or passed into the public domain other than by breach of this Article; or
 2. known to a receiving Party prior to the disclosure by a disclosing Party; or
 3. disclosed to a receiving Party without restriction on by a third party having the full right to disclose; or
 4. independently developed by a receiving Party to whom no disclosure of confidential information relevant to such Information has been made.
- 13.6** Each Party agrees that in the event of a breach or threatened breach of Article 13, the harms suffered by the other Party would not be compensable by monetary damages alone and, accordingly, in addition to other available legal or equitable remedies, the other Party shall be entitled to apply for an injunction or specific performance with respect to such breach or threatened breach, without proof of actual damages (and without the requirement of posting a bond or other security) and each Party agrees that not to do so would lead to a deficiency of damages as a defence.
- 13.7** Article 13 shall survive the termination of the Agreement for a period of ten (10) years but shall not in any way limit or restrict a disclosing Party's use of its own confidential Information.

14 Data Privacy

- 14.1** Each Party's obligations hereunder to transfer information to the other Party shall not apply to the extent that a Party is prohibited from doing so by the regulations and laws of its own country applicable to it and/or data protection.
- 14.2** Party B shall inform its customers that during roaming, the storage, treatment and transfer of their personal data may be subject to regulation different from the regulation in their own country.
- 14.3** The Parties confirm that they shall comply with the eData Privacy Regulations/Laws applicable in their respective countries.

15 Fraud Prevention

- 15.1** The Parties shall comply with the procedures and provisions concerning fraudulent or unauthorised use by Roaming Customers set out in the eGSM Association Permanent Reference Documents and in Annex 6.

16 Liability of the Parties

- 16.1** Neither Party shall be liable to the other Party under or in connection with the Agreement except :
1. in respect of charges to be paid to DNA pursuant to Article 8;
 2. to the extent of its negligence where such negligence results in proven damages or loss to the other Party, in which event the liability of the negligent Party shall be limited to and shall in no event exceed two hundred and fifty thousand (250,000) EUR in respect of anyone incident or series of incidents arising from the same cause;
 3. in respect of charges arising from non-compliance with binding GSM Association Permanent Reference Documents pursuant to Article 15.
- 16.2** Furthermore, in no event shall either Party be liable for any consequential damage or loss of whatsoever nature, including but not limited to, loss of profit or loss of

business, even if such Party has been advised of the possibility of such loss or damage.

16.3 In no event shall any employee of either Party or the other Party for any act of negligence or intent under or in connection with the Agreement. Save for the limitations in Articles 16.1 and 16.2 nothing in the foregoing shall in any way restrict the liability of either Party for the actions of its employees.

16.4 Limitation of liability as described in this Article shall not apply if damage or loss is caused by a Party's willful misconduct (including fraud) or gross negligence.

17 Suspension of Services

17.1 Notwithstanding anything in the Agreement to the contrary, DNA may without liability suspend or terminate all or any of its Services to Roaming Customer(s) in those Services to its own customers, including but not limited to:

1. Roaming Customers using equipment which is defective or illegal; or
2. Roaming Customers causing any technical or other problem on DNA's Public Mobile Network; or
3. suspected fraudulent or unauthorised use; or
4. authentication of the legal relationship not being possible; or
5. maintenance or enhancement of its Public Mobile Network or
6. Suspension for non-payment in excess of 3 months.

17.2 In case of a proposed suspension of Services to all Roaming Customers, DNA shall use commercially reasonable effort to give four (4) weeks written notice (shorter notice may apply given the circumstances related to the suspension) to prior to the suspension taking effect. If the suspension continues for more than six (6) months, shall have the right to terminate the Agreement with immediate effect by written notice.

17.3 Notwithstanding the provisions of Article 6, has the right at any time, for technical reasons, without liability but upon detailed written notice to DNA, to suspend access to the Services to its Roaming Customers. Alternatively, if in the opinion of DNA it is technically more practicable may request that DNA suspend all of its Services to Roaming Customers of . DNA shall use commercially reasonable effort to comply with such requirement within seven (7) calendar days after receipt of the said notice.

17.4 The Parties agree that the suspensions shall be removed as soon as the technical reason for the suspension has been overcome by DNA or as the case may be.

18 Force Majeure

18.1 Non-performance of either Party's obligations pursuant to the Agreement or delay in performing same (except with respect to the payment of charges applicable hereunder) shall not constitute a breach of the Agreement if, and for as long as, it is caused by a force majeure event, including, but not limited to, governmental action, requirement of regulatory authority, lockouts, strikes, shortage of transportation, war, rebellion or other military action, fire, flood, natural catastrophes, or any other unforeseeable obstacles that a Party is not able to overcome with reasonable efforts, or non-performance of obligations by a subcontractor or a Party pursuant to any of the aforementioned reasons. The Party prevented from fulfilling its obligations shall be deemed to have become aware of such event in writing of such force majeure event as soon as possible. If the force majeure event continues for more than six (6) months, either Party shall have the right to terminate the Agreement with immediate effect by written notice.

18.2 If the affected Party fails to inform the other Party of the occurrence of a force majeure event as set forth in Article 17.1 above, then such Party thereafter shall not be entitled to refer such event to force majeure as a reason for non-fulfilment. This obligation does not apply if the force majeure event is known by both Parties or the affected Party is unable to inform the other Party due to the force majeure event.

19 Duration of the Agreement

19.1 The Agreement comes into force on the Date of the Agreement and subject to the conditions of Articles 17.2, 18.1 and 20 shall remain in force unless terminated by one of the Parties in writing subject to a period of notice of six (6) months.

20 Termination of the Agreement

20.1 In addition to the conditions of Articles 17, 18.1 and 19 the Agreement may be terminated as follows:

1. by mutual agreement of the Parties; or
2. by one of the Parties, with immediate effect, when the other Party is in material breach of the Agreement and does not or is not capable of remedying such breach within sixty (60) days of receipt of a written notice to such effect;
3. by one of the Parties, with immediate effect, if the other Party becomes bankrupt or insolvent or if that other Party enters into any composition or arrangement with its creditors and that other Party is not able to ensure performance of its obligations under the Agreement by a guarantee from a first class bank, payable on first written demand ;
4. by written notice of either Party to the other in the event that IR becomes technically or commercially impracticable on DNA's Public Mobile Network and the provisions set out in Article 17 are not sufficient to solve the problem or if an unacceptable level of unauthorized use occurs and the other Party is not capable of remedying such unauthorized use within sixty (60) days of receipt of a written notice to such effect; or
5. subject to Article 22.1 immediately in the event a final order by the relevant governmental authority revoking or denying renewal of the license(s) or permission to operate a Public Mobile Network(s) granted to either Party, or any other license necessary to operate the Service(s), takes effect.

20.2 In the event of termination on the grounds of breach of the Agreement under the Article 20.1.2, the Party in breach shall, notwithstanding Article 16.2, be liable to the other Party (in addition to charges properly due and payable to DNA) for provendirect damage or loss (excluding indirect or consequential damage or loss) arising as a consequence of such breach up to a maximum aggregate liability of two hundred and fifty thousand (250,000) EUR, provided, however, that such limitation of liability shall not apply if a damage or loss is caused by a Party's willful misconduct or gross negligence.

21 Changes to the Agreement, Annexes and Addenda

21.1 Any amendments and/or additions to the Agreement and/or Annexes and/or Addenda shall be valid only if made in writing and signed by duly authorized representatives of both Parties hereto .

21.2 Notwithstanding Article 21.1 DNA shall be entitled to:

1. implement new Services or change existing Services as it sees fit subject to the successful completion of all network and billing test procedures as set out in the Technical Specifications and the GSM Association

Permanent Reference Documents, as requested by either Party. DNA shall give at least thirty (30) days' prior written notice of any implementation of Services for the first time. DNA also agrees to use its reasonable efforts to give the other Party at least thirty (30) days prior written notice of any other proposed implementation of new Services or change of existing Services which is a major change which has an impact on IR;

2. terminate all or any existing Services offered by or to a roaming partner as it sees fit. DNA agrees to use its reasonable efforts to give at least sixty (60) days prior written notice of any termination of existing Services which is a major change which has an impact on IR; or
3. vary its tariff stated in the Annex 12 or subsequent variation thereof;

21.3 The references to Technical Specifications and binding GSM Association Permanent Reference Documents in Article 5.1(1) and (2) shall be deemed to include references to these documents as amended by GSM Association from time to time. However the reference to non-binding GSM Association Permanent Reference Documents in Article 5.1(3) shall not be deemed to include a reference to such non-binding documents as amended by GSM Association from time to time unless and to the extent that this is expressly agreed by the Parties and detailed in the Agreement, including the Annexes. This Article 21.2(3) shall be subject to Article 5.2.

21.4 It is also recognised by the Parties that it may be appropriate to seek changes to the Agreement in the light of experience and development in the GSM Association and the establishment of IR between the Parties. Accordingly, the Parties shall enter into good faith discussions with a view to agreeing mutually acceptable modifications to the Agreement.

22 Miscellaneous

22.1 Successors and Assigns

The Agreement and the rights and obligations specified herein shall be binding upon the Parties hereto and their respective legal successors and neither Party shall sell, transfer or assign the Agreement or any part, interest, right or obligation hereunder, except that a Party shall have the right to transfer or assign the Agreement in whole (but not in part) to an Affiliated Company within EU regulation. No person other than a Party to the Agreement shall acquire any rights hereunder as a third-party beneficiary or otherwise by virtue of the Agreement.

22.2 Headings

The headings of the Agreement are for the convenience of reference only and shall in no way limit or affect the meaning or interpretation of the provisions of the Agreement.

22.3 No waiver

Failure by any Party at any time or times to require performance of any provision of the Agreement shall in no manner affect its right to enforce the same, and the waiver by any Party of any breach of any provisions of the Agreement shall not be construed to be a waiver by such Party of any succeeding breach of such provision or waiver by such Party of any breach of any other provision hereof.

22.4 Provisions severable

If any part of the Agreement or any Annex hereto is held to be invalid or unenforceable, such determination shall not invalidate any other provision of the Agreement or Annexes hereto; and the Parties shall all attempt, through negotiations in good faith, to replace any part of the Agreement or Annexes hereto so held to be invalid or unenforceable. The failure of the Parties to agree on such replacements shall not affect the validity of the remaining parts of the Agreement.

22.5 Notices

All notices, information and communications required under the Agreement shall be given as described in Annex 1: Agreement Management Principles.

22.6 Compliance with Laws and Regulatory requirements

The commitment of the Parties hereto shall be subject to all applicable laws and/or regulatory requirements, present and future, of any governmental or regulatory authority having jurisdiction over the Parties hereto, as well as any valid order of a court of competent jurisdiction.

22.7 Anti-bribery compliance

The Parties hereby acknowledge the importance of combating and preventing bribery and to that end both Parties agree to comply fully with all applicable laws, regulations and sanctions relating to anti-bribery and anti-corruption.

23 Choice of Law

23.1 The Agreement and any matters relating hereto shall be governed by and construed in accordance with Finnish law.

24 Dispute Resolution & Arbitration

24.1 The Parties agree to seek to resolve any dispute arising out of the Agreement in accordance with the following escalation procedures before commencing the arbitration procedures described below.

24.2 The Contact Persons of both Parties shall work in good faith to try to resolve the dispute within thirty days from the date that a Party first gives notice that a dispute has occurred.

24.3 If the Contact Persons fail to reach an agreement to resolve the dispute within thirty days, then the dispute shall be referred to more senior persons within the respective companies who shall try to resolve the dispute within a further thirty-day period. If no resolution is found, each Party is entitled to commence the arbitration proceedings described below.

24.4 In accordance with the Article 17 of the Roaming Regulation III in the event of a dispute between undertakings providing electronic communications networks or roaming services in a Member State, the dispute resolution procedures laid down in Articles 20 and 21 of the Framework Directive should be applied fully.

25 Signatures

Place.....

Place

Date.....

Date

.....
ForDNALtd

.....
For

16 Overview of the Annex Structure

Annex number	Annex name
ANNEX1	Agreement Management Principles
ANNEX2	Services
ANNEX3	Billing and Accounting
ANNEX3.1	Information on Billing Data
ANNEX3.2	Settlement Procedure
ANNEX4	Customer Care Principles
ANNEX5	Technical Aspects
ANNEX5.1	Testing
ANNEX5.2	Security
ANNEX5.3	Information on Signalling Interconnection and/or IP Connectivity
ANNEX6	Fraud Prevention Procedures
ANNEX7	Roaming Service Level Agreement
ANNEX8	Roaming Provider Services, Tariffs and other Information
ANNEX9	Direct Wholesale Roaming Access Seeker contact details and other information important to the relationship not provided elsewhere in the Agreement

ANNEX 1 AGREEMENT MANAGEMENT PRINCIPLES

Notices

All notices, information and communications require writing and be in the English language and shall be sent either by mail, or preferably secure email to the addresses indicated here:

Each Party specifies only one contact point for exchange of updates to the Agreement.

Revision Procedure

The right to amend or vary the terms of any Annex or Addenda is set out in this Agreement.

All updates to the Annexes shall be exchanged by mail or courier.

Effective Dates

Each revision shall be clearly identified by its Revision date as agreed between the parties.

ANNEX2SERVICES

The implementation of Services shall be in accordance with the Technical Specifications with the exception of Public Mobile Networks specific deviations and/or chosen options agreed by both Parties during the testing phase.

ANNEX3BILLINGANDACCOUNTING

BillingandAccountingrelatingtoInternationalRoamingcomesintoeffectasfromthe confirmedstartingdateofcommercialroaming,ass tatedintheagreedLaunchLetter.

ANNEX3.1INFORMATIONONBILLINGDATA

Informationonbillingthat isnotexplicitlystate dinANNEX3.1.2isexchangedonTAP.

ANNEX 3.1.1 INFORMATION ON TAP

The implementation of the TAP necessary to provide Services shall be in accordance with the GSM Association Permanent Reference Documents.

Data Exchange Procedure

Interchange of TAP records shall be performed by Electronic Data Interchange (EDI).

Transfers shall be within the standard timescale and the standard frequency as defined in the GSM Association Permanent Reference Documents.

For the time being the transfers schedules for DNA shall be as follows:

XXXXXXXXXXXX

Any changes in the exchange frequency shall be agreed before implementation.

When no charging data are available Notification files will be sent.

EDI Address as well as Contact Points for enquiries and complaints are:

EDI ADDRESS & CONTACT POINTS:

Fallback Procedure

In case of EDI failures or delays in EDI transfer the fallback procedure shall come into effect as specified by TADIG in GSM Association Permanent Reference Documents.

The fallback procedure as specified by TADIG will only be used in exceptional circumstances and the method of transfers shall be as follows:

(Please fill in as appropriate).

Where there is a delay in the sending of the billing files, according to the agreed fallback procedure then the shall be immediately advised .

The use of the fallback procedure does not change the reliability as defined under Data Exchange Procedure above.

Changes in the times schedules

Any changes in the times schedules concerning the exchange of billing files shall be agreed before implementation.

Data Clearing House

In case of using Data Clearing House for data interchange, the responsibilities of Roaming Provider remain as they are defined by the GSM Association and in Permanent Reference Documents.

ANNEX 3.2 SETTLEMENT PROCEDURE

The Settlement Procedure in this ANNEX 3.2 applies to financial transactions involving roaming traffic from start of the traffic period commencing by the <commercial start letter of roaming> or <date>.

DNA shall prepare a monthly invoice for events registered during the invoice period made by the visiting customers in the visited PMN Operator.

The invoice period shall in general be a calendar month. However, a single transfer covering a month shall not be divided between two invoices. The invoice has to be sent by the 15th of the following month at latest.

Direct Full Payment with Currency Conversion

The invoice amount must be paid by the debtor in EURO's calculated from the SDR amount as indicated on the invoice.

The conversion method from SDR into the currency of payment, is defined in PRDBA. 11

Payment by shall be made within 30 days from the date of the invoice with the later date.

If does not pay the clearing balance by the due date for payment then DNA shall have the right to charge its normal interest rate on the overdue amount from the due date for payment until payment is made.

The normal interest rate for DNA is: 10% per annum

Changes in times schedules concerning the exchange of invoices and settlement periods shall be fixed three months before implementation at the latest.

Bank Charges

Where bank charges occur, any such expenses imposed by the debtors bank(s) including intermediate and correspondent banks used by the debtor to make the payment, shall be borne by the debtor.

Expenses imposed by the creditors bank(s), including payment expenses imposed by intermediate and correspondent banks used for receipt of the payment by the creditor, shall be borne by the creditor.

In the case where the debtor pays in a different currency than agreed in the applicable annex or pays to the wrong bank account, the creditor has the right to request a credit from the debtor for the extra cost.

ANNEX 4 CUSTOMER CARE PRINCIPLES

General

A Roaming Customer should contact the Customer Care Services of his home contract partner (Customer Care Services of) while roaming in the Public Mobile Network of DNA. This home Customer Care Services will provide the first point of contact but may refer the Roaming Customer to DNA's Customer Care Services if appropriate.

The Roaming Customer is free to contact DNA's Customer Care Services directly. However, the primary responsibility for customer care remains with .

Each Party will ensure that there is, at least during office hours, an English speaking operator on duty, to whom a Roaming Customer can be referred.

Customer care contact numbers are defined here: XXXXXXXX

Customer care information for SMS Interworking is contained in the relevant Addendum signed between the Parties.

Roaming Information

Changes in Emergency Service, Customer Service, Directory Enquiry numbers, and Tariffs shall be exchanged in accordance with the provision of the Agreement.

 shall inform its own Roaming Customers about roaming in DNA's Public Mobile Network.

Public Mobile Network Faults

In the event of a perceived Public Mobile Network fault, Roaming Customers should contact the home Customer Care Services while roaming in the Public Mobile Network of DNA. The home Customer Care Services will provide the first point of contact but may refer the Roaming Customer to DNA's Customer Care Services if appropriate.

In the event that the Customer Care Services of one Party has a query concerning potential faults of the other Party's Public Mobile Network, then the Customer Care Services shall contact the contact point defined below.

In addition, it may be necessary that technical experts of one Party get into direct contact with the other Party's technical experts (e.g. to establish troubleshooting). In such cases additional contact points shall be provided. These contact points are defined below.

Frequently arising faults in the Public Mobile Network or Services of DNA experienced by Roaming Customers and indicated to shall be reported to the other Party's contact point.

Lost/Stolen SIM and/or USIM-Cards

In the event that a SIM and/or USIM-card is lost or stolen, the Roaming Customer shall be asked to contact his home Customer Care Services. If the Roaming Customer contacts DNA's Customer Care Services, DNA's Customer Care Services will provide the Roaming Customer with the contact number of his home Customer Care Services.

Lost/stolen or Faulty Mobile Equipment

In the event that mobile equipment is lost, stolen, or faulty, the Roaming Customer shall be asked to contact his home Customer Care Services. If the Roaming Customer contacts DNA's Customer Care Services, he will be referred to his home Customer Care Services.

Billing Enquiries

In the event that a Roaming Customer has an enquiry relating to the amount billed during roaming, the Roaming Customer shall resolve this query with his home Customer Care Services. Any contact with DNA will be achieved through his home Customer Care Services.

ANNEX5 TECHNICALASPECTS

Technicalaspectsconcerningboththepre-commercial andcommercialphasesof InternationalRoamingandSMSInterworkingaredealt withintheAnnexestofollow.

ANNEX 5. TESTING

Certification of testing

DNA shall send Completion Certificates confirming the successful execution of IREG & TADIG tests which include testing of the TAP procedures according to the Test Specifications of GSM Association Permanent Reference Documents.

Testing of Service availability

DNA agrees to perform relevant tests of service availability, according to the IREG and TADIG Test Specifications, every time a major change which has an impact on International Roaming and SMS Interworking.

Testing SIM and/or USIM-Cards

General

 will make the bilaterally agreed number of test SIM and/or USIM-cards available to DNA under the following conditions:

Send test SIM and/or USIM-card(s) as agreed bilaterally in a written notice without any activation fee or any subscription fee. will be treated as a Roaming Customer of the Wholesale Roaming Access Provider.

All necessary information concerning the SIM and/or USIM-card(s), i.e. IMSI, MSISDN, PIN, PUK, shall be forwarded to DNA as well.

The SIM and/or USIM-card(s) remain in the property of the Wholesale Roaming Access Provider.

The test SIM and/or USIM-card(s) shall only be used in DNA's Public Mobile Network for the purpose of testing of International Roaming functions.

TAP-data for traffic generated by these test SIM and/or USIM-card(s) shall be included in the normal billing and accounting procedures and there by also invoiced by DNA.

None of the above shall be construed to allow reselling the SIM and/or USIM-card(s) or in any other way forward the SIM and/or USIM-card on conditions that could be negative for the Wholesale Roaming Access Provider.

Tests before the commercial start of roaming services (pre-commercial roaming phase)

As a general principle, it is agreed that DNA using test-SIM and/or USIM-card(s) will not receive a payable bill from the issuing for the test calls made in the Public Mobile Network under test. TAP-data and bills will only be sent for test purposes.

Unless otherwise agreed, it is the sole responsibility of DNA to block Roaming Customers of during the pre-commercial phase and in no case the has to bear the costs incurred by its customers roaming in DNA's Public Mobile Network.

Tests during the commercial roaming phase

As a general principle it is agreed that during the commercial roaming phase the usage of these SIM and/or USIM-card(s) is fully chargeable for traffic charges. The shall therefore have the right to send a (single) bill to DNA for the traffic generated by the exchanged SIM and/or USIM-card(s), however, only if the amount exceeds the bilaterally agreed non-chargeable value. The amount charged is only the amount exceeding the non-chargeable monthly value per test SIM is 50 EUR.

The tariff used will be either the Tariff of DNA or the Direct Wholesale Roaming Access Seeker retail tariff. In case the retail tariff is used, the will attach an itemised bill to the invoice for control purposes. The payments shall be done according to the provisions set out in Annex 3.2.

Calls made outside DNA during pre-commercial or commercial roaming phase

All costs occurring for calls made with test SIM and/or USIM cards issued to DNA outside DNA's network will be charged by the .

The tariff used will be the retail tariff. The will attach an itemised bill to the invoice for control purposes. The payments shall be done according to the provisions set out in Annex 3.2.

Using best endeavours, the will inform DNA and the test SIM and/or USIM card(s) being used outside DNA's Network.

DNA is fully liable for all call costs as detailed above, damages and costs (as limited by this agreement) incurred by misuse of test SIM and/or USIM cards outside DNA for the first 180 calendar days or until it is informed by the , whichever is the smaller:

Lost or stolen test SIM and/or USIM cards

In the event that DNA determines it is no longer in possession of the Test SIM and/or USIM cards, DNA must immediately notify the in written form and request that the missing card(s) be deactivated. Once sufficient notification has been delivered to the , the liability of DNA ceases for all further usage of the missing cards(s) which occurs beyond the date of notification. However, the burden is on DNA to provide sufficient proof that an adequate notification was given to the .

ANNEX 5.2 SECURITY

Security functions of the individual Parties are specified in here and any other PRD documents.

Authentication

The Parties agree to implement Customer Identity Authentication for Roamers on their network. The purpose and mechanism for authentication are described in GSM 02.09 and in GSM APD SG.15.

The Parties agree that authentications shall be performed as specified below:

For Roaming Customers (at the commencement of GSM service or 3G service) authentication is to be performed at every occasion of:

- Network access using IMSI
- Location updating involving VLR change
- Network access for at least 1 in 10 mobile originated and terminated call set-ups (incl. SMS)
- Supplementary service operation outside call
- Cipher key sequence number mismatch

If GPRS is supported, authentication is also to be performed at every occasion of:

- GPRS attach
- routing area updating involving SGSN change
- PDP context activation
- P-TMSI (P-Temporary IMSI) signature mismatch, if P-TMSI signature is used
- P-TMSI signature not inserted in an Attach Request or Routing Area Update Request

Authentication during a malfunction of the network

The Parties agree that if a mobile station (MS) is registered and has been successfully authenticated, whether active or not active on a call, calls are permitted (including continuation and handover) and the Direct Wholesale Roaming Access Seeker will receive the charge.

If an MS attempts to register or re-register and cannot be successfully authenticated due to a network malfunction, calls are not permitted.

If an MS has already been registered on the network, and has already been authenticated, and cannot be successfully re-authenticated due to a network malfunction (e.g. the was not able to provide authentication pairs RAND, SRES), the Parties agree that calls are permitted and that the will receive the charge.

ANNEX 5.3 INFORMATION ON SIGNALLING INTERCONNECTION AND/OR IP CONNECTIVITY

The implementation of the Signalling Protocols and/or Inter-PLMN backbone (as defined in IREGPRDs) shall be in accordance with the Technical Specifications and relevant GSM Association Permanent Reference Documents with the exception of Public Mobile Network specific deviations and/or chosen options agreed by both Parties during the testing phase.

The technical information relevant for International Roaming shall be exchanged between the Parties as part of IREG testing procedures and IREGPRDs.

Each Party agrees to adhere to the processes set out in PRDIR.21, Article 4: Procedures for Updating the Database, when making changes in numbering and addressing information with an impact on International Roaming.

RAEXIR.21 DNALtd organization information

TADIG code: FIN2G

MSISDN Number Ranges

35841
35844
358436
358438
3584320
3584321
3584541
3584547
3584574
3584576
3584577
3584578
3584579
3584944

Does Number Portability apply? Yes

Network Nodes Global Title Number Ranges

35844
3584576

MSRNN Number Range

3584576010000019999

Country initials: FIN

E.212 Number series Mobile Country Code (MCC) Mobile Network Code (MNC)
24412

E.214 Mobile Global Title (MGT) Country Code of MGT (CC) Network Code of MGT (NC)

35844

SCCP Carrier Name: Comfone

GRX Provider Name: Comfone GRX, Telia Sonera GRX

ANNEX6FRAUDPREVENTIONPROCEDURES

The Parties shall implement fraud prevention procedures as specified by the GSM Association within BARG Binding PRDBA.20.

ANNEX7 RoamingServiceLevelAgreement

General

The Parties agree to implement the principles of the Service Level Agreement for roaming as specified in relevant GSM APRDs. Both Parties also agree to abide by PRDIR.78.

Both Parties confirm their IR.21 documents are up-to-date, i.e. all technical and routing information and contact details for troubleshooting and escalation are correctly presented.

Party B agrees that some of the test SIM cards can be used for active QoS monitoring purposes.

Neither Party shall be liable to the other Party for failure to meet the Service Level Agreement as set out herein.

ANNEX8RoamingProviderServices,TariffsandotherInformation

DNA provides separately the Direct Wholesale Roaming Access Seeker after request a PDF version of DNA's RAEXAA.14 and RAEXIR.21 if applicable.

**ANNEX9 Direct Wholesale Roaming Access Seeker contact details
and other information important to the relationship not provided
elsewhere in the Agreement**