

## Third Generation Partnership Project Agreement

Officially recognized Standardization Organizations have agreed to work collaboratively for the production of Third Generation Mobile System specifications. The means for this collaborative activity has been provided in the form of a Partnership Project. The Partners in the Partnership Project are signatories to this Third Generation Partnership Project Agreement, hereinafter referred to as the Agreement.

### CONSIDERING THAT:

- The Partners have agreed to co-operate in the production of globally applicable Technical Specifications and Technical Reports for a 3rd Generation Mobile System based on evolved GSM core networks and the radio access technologies that they support (i.e., Universal Terrestrial Radio Access (UTRA) both Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes).
- 3GPP is established for the preparation, approval, and maintenance of the above mentioned Technical Specifications and Technical Reports.
- 3GPP is not to be construed as a legal entity.

### FURTHER CONSIDERING THAT:

The 3GPP partnership is characterized by the following attributes:

- uses minimum production time for Technical Specifications and Technical Reports from conception to approval;
- uses fast, electronic based approval processes;
- makes maximum use of modern (electronic) working methods; and
- ensures that decision making takes place at the lowest appropriate levels.

### THE PARTNERS THEREFORE AGREE TO THE FOLLOWING:

#### 1 DEFINITIONS

##### 1.1 3GPP

The acronym "3GPP" shall mean the Third Generation Partnership Project.

##### 1.2 Organizational Partner

An Organizational Partner is any open Standardization Organization, irrespective of geographical location, which has:

- a national, regional or other officially recognized status and the capability and authority to define, publish and set standards within the 3GPP scope, in that nation or region;
- committed itself to all or part of the 3GPP scope; and
- signed this Agreement.

위규권  A.C. 

### 1.3 Market Representation Partner

A Market Representation Partner is any organization which has been invited by the Organizational Partners to take part in 3GPP, irrespective of geographical location, which:

- has the ability to offer advice to 3GPP and to bring into 3GPP a consensus view of market requirements (e.g., services, features and functionality) falling within the 3GPP scope;
- does not have the capability and authority to define, publish and set standards within the 3GPP scope, nationally or regionally;
- has committed itself to all or part of the 3GPP scope; and
- has signed this Agreement.

### 1.4 Partners

The term "Partners" shall be used in this Agreement to describe Organizational Partners and Market Representation Partners when referred to collectively.

## 2 GENERAL

### 2.1 Purpose of 3GPP

The purpose of 3GPP is to prepare, approve and maintain globally applicable Technical Specifications and Technical Reports for a 3rd Generation Mobile System based on the evolved GSM core networks, and the radio access technologies supported by the Partners (i.e., UTRA both FDD and TDD modes), to be transposed by the Organizational Partners into appropriate deliverables (e.g., standards).

### 2.2 Structure of 3GPP

3GPP shall consist of:

- A Project Co-ordination Group (PCG), and
- Technical Specification Groups (TSGs).

The Technical Specification Groups may establish Working Groups if required.

The Organizational Partners of 3GPP shall hold regular meetings.

The Organizational Partners may decide to call a meeting of the full 3GPP membership if required.

### 2.3 Scope and objectives of 3GPP

Initially, 3GPP shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for the first phase of a 3rd Generation Mobile System including:

- UTRAN (including UTRA, W-CDMA in Frequency Division Duplex (FDD) mode and TD-CDMA in Time Division Duplex (TDD) mode);
- 3GPP Core Network (Third Generation networking capabilities evolved from GSM. These capabilities include mobility management and global roaming);
- Terminals for access to the above (including specifications for a UIM); and
- System and service aspects.

위규진 10.7. A.C. [Signature]

The Technical Specifications and Technical Reports shall be developed in view of global roaming and circulation of terminals.

The set of 3GPP Technical Specifications and Technical Reports for the first phase of the 3GPP core network and the specifications for the GSM core network should be common to the greatest extent possible and should not be unnecessarily different.

The results of the 3GPP work shall form the basis of member contributions to the ITU in accordance with existing procedures.

3GPP shall take account of emerging ITU recommendations on interworking between IMT-2000 family members.

In the framework of agreed relationships, the 3GPP Technical Specifications and Technical Reports will form the basis of standards, or parts of standards, of the Organizational Partners.

## 2.4 Additional documentation applicable to 3GPP

The following additional documentation form part of 3GPP:

- the Third Generation Partnership Project Description; and
- the Third Generation Partnership Project Working Procedures.

## 3 ORGANIZATIONAL PARTNERS

### 3.1 Undertakings of Organizational Partners.

The Organizational Partners shall undertake to:

- encourage their members to contribute to the common set of Technical Specifications and Technical Reports and to avoid duplication of work;
- convert / transpose / adopt all relevant Technical Specifications and Technical Reports resulting from 3GPP into their own relevant deliverables through their normal processes;
- identify as early as possible, any national / regional regulatory requirements that may lead to options within the Technical Specifications and Technical Reports;
- make their IPR Policy available for consideration by the other Organizational Partners;
- encourage that their IPR Policies are respected by their members (i.e., encourage their members to declare at the earliest opportunity any Intellectual Property Rights which they may have and believe to be essential, or potentially essential, to any ongoing work within 3GPP);
- encourage their respective members to declare their willingness to grant licences on fair, reasonable terms and conditions on a non discriminatory basis, and consistent with their IPR Policy; and
- contribute to the resources necessary for the operation of 3GPP.

위유진 H.F. A.C. Q



### **3.2 Rights of the Organizational Partners**

#### **3.2.1 Participation in the 3GPP work**

Organizational Partners have the right to participate in the work of the Project Co-ordination Group.

Organizational Partners have the right to participate in the work of the Technical Specification Groups.

Members of Organizational Partners (Individual Members) have the right to participate in the work of the Technical Specification Groups. They shall act in their own right and shall carry the full responsibility for their contributions.

#### **3.2.2 Joint Copyright**

The Organizational Partners shall jointly own copyright on the Technical Specifications and Technical Reports approved by 3GPP. For candidate Organizational Partners, their copyright on work already ongoing or completed within 3GPP shall be decided by the Organizational Partners on a case-by-case basis.

## **4 MARKET REPRESENTATION PARTNERS**

### **4.1 Undertakings of the Market Representation Partners**

The Market Representation Partners shall undertake to:

- commit themselves to the promotion of 3GPP;
- encourage their members to contribute to the common objectives of the 3GPP and to avoid duplication of work;
- offer advice to 3GPP and to bring into 3GPP a consensus view of market requirements (e.g., services, features and functionality) falling within the 3GPP scope; and
- define the 3GPP system and service scenarios.

### **4.2 Rights of the Market Representation Partners**

#### **4.2.1 Participation in the 3GPP work**

Market Representation Partners have the right to participate in the work of the Project Co-ordination Group.

Market Representation Partners have the right to participate in the work of the Technical Specification Groups.

## **5 MODIFICATIONS**

The present Agreement may only be modified by consensus agreement amongst the signatories. The signatories shall be given at least 30 days written notice of the proposed modifications. Any assignment of rights (e.g., participation, copyright ownership) under this Agreement shall be considered as a modification to this Agreement.

## 6 TERMINATION

If a Partner desires to withdraw from 3GPP it shall give 6 months written notice.

## 7 DURATION

This Agreement shall remain valid until the Organizational Partners decide otherwise.

## 8 DISSOLUTION

In the event of a voluntary dissolution of 3GPP, the Organizational Partners shall determine the terms of dissolution by consensus. All issues shall be documented and distributed at least 30 days in advance of the agreement.

## 9 DISPUTE SETTLEMENT

In the event of a dispute arising between Partners, related to this Partnership Project, the Partners concerned shall use all means at their disposal to endeavour to resolve the dispute by internal arbitration and conciliation.

## 10 ADDITIONAL PARTNERSHIPS

Partnership in 3GPP, as defined in the definition section and in clauses 3 and 4 of the present Agreement, is open to organizations irrespective of their geographical location.

Any additional Partnership in 3GPP shall be approved, on a consensus basis, by the existing Organizational Partners.





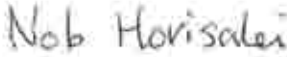
The consensus decision from the Organizational Partners with the Name, Title, Organization, Address, Signature of the new Partner and the Date of signature shall be annexed to this Agreement.

Annexes shall be considered as an integral part of this Agreement.

## 11 PARTICIPATION IN OTHER STANDARDIZATION ACTIVITIES

Signatories to this Agreement shall not be excluded from participation in other partnership projects or other standardization activities.

**This Agreement is entered into by and between the following Organizational Partners:**

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Hiroshi Furukawa Senior Managing Director ARIB Association of Radio Industries and Businesses Nittochi Building 14F, 1-4-1 Kasumigaseki Chiyoda-ku, Tokyo 100-0013 JAPAN</p> <p>Signature </p> <p>Date 4 December 1998</p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock Director General ETSI European Telecommunication Standards Institute 650, route des lucioles F-06921 Sophia Antipolis Cedex FRANCE</p> <p>Signature </p> <p>Date 4 December 1998</p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee Head of T1 3GPP delegation as authorized by Mr Gerald Peterson, Committee T1 Chairman T1 Secretariat 1200 G Street NW, Suite 500 Washington, DC USA</p> <p>Signature </p> <p>Date 4 December 1998</p>	<p style="text-align: center;"><b>TTA</b></p> <p>Dr Kyu-Jin Wee Chairman SC-7 TTA Telecommunications Technology Association 13<sup>th</sup> Floor Sejongro Daewoo Building 167 Naesoo-dong chongro Seoul KOREA</p> <p>Signature </p> <p>Date 4 December 1998</p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki Executive Managing Director TTC Telecommunications Technology Committee 1-2-11, Hamamatsu-cho, Minato-ku, Tokyo, 105-0013 JAPAN</p> <p>Signature </p> <p>Date 4 December 1998</p>	

Executed in 5 originals



Annex 1 This Agreement is entered into by the following Market Representation Partner:

UMTS Forum

Name:

Thomas Berger

Title:

Chairman

Address:

UMTS Forum  
Russel Square House  
10-12 Russel Square  
London, WC1B 3EE

Signature

Date

December 1998

THIS PARTNERSHIP ON  
 UMS FORUM EXISTENCE IS  
 CANCELLED 2017  
 STAY FREE  
 FEBRUARY 27  
 THOMAS BERGER  
 UK

Authorised by the existing Partners

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Hiroshi Furukawa Signature <i>Hiroshi Furukawa</i> Date 4 December 1998</p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i> Date 4 December 1998</p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee Signature <i>Asok Chatterjee</i> Date 4 December 1998</p>	<p style="text-align: center;"><b>TTA</b></p> <p>Dr Kyu-Jin Wee Signature <i>위 쥬 진</i> Date 4 December 1998</p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki Signature <i>Nob Horisaki</i> Date 4 December 1998</p>	



**Annex 2 This Agreement is entered into by the following Market Representation Partner:**

**Global Mobile Suppliers Association (GSA)**

Name: Mr Alan Hadden


Title: President

Address: GSA Secretariat  
Europa House  
Church Street  
Old Isleworth  
TW7 6BW Middlesex  
United Kingdom

Signature 

Date <sup>26<sup>th</sup></sup> February 1999

Authorised by the existing Partners

<b>ARIB</b>	<b>ETSI</b>
Mr Hiroshi Furukawa Signature 	Mr Karl Heinz Rosenbrock Signature 
Date <sup>9</sup> March 1999	Date <sup>24</sup> February 1999
<b>T1</b>	<b>TTA</b>
Dr Asok Chatterjee Signature 	Dr Kyu-Jin Wee Signature 
Date <sup>1</sup> March 1999	Date <sup>1</sup> March 1999
<b>TTC</b>	<b>UMTS Forum</b>
Mr Nobuhiro Horisaki Signature 	Dr Bernd Eylert Signature 
Date <sup>9</sup> March 1999	Date <sup>24</sup> Feb 1999

Executed in 7 originals



**Annex 3 This Agreement is entered into by the following Market Representation Partner:**

**GSM Association**

Name: Mr Michael Stocks

Title: Chairman

Address: GSM Association  
Avoca Court  
Temple Road  
Blackrock  
Co Dublin  
Ireland

Signature

Date 27 May 1999

Authorised by the existing Partners

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Hiroshi Furukawa Signature <i>Hiroshi Furukawa</i> Date <i>27 May</i> 1999</p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i> Date <i>27 May</i> 1999</p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee Signature <i>Asok Chatterjee</i> Date <i>27 May</i>, 1999</p>	<p style="text-align: center;"><b>TTA</b></p> <p>Dr Kyu-Jin Wee Signature <i>Kyu-Jin Wee</i> Date <i>27 May</i> 1999</p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki Signature <i>Nob Horisaki</i> Date <i>27 May</i> 1999</p>	<p style="text-align: center;"><b>UMTS Forum</b></p> <p>Dr Bernd Eylert Signature <i>B. Eylert</i> Date <i>27 May</i> 1999</p>
<p style="text-align: center;"><b>GSA</b></p> <p>Mr Alan Hadden Signature <i>Alan Hadden</i> Date <i>27th May</i> 1999</p>	

Executed in 8 originals

**Annex 4 This Agreement is entered into by the following Organizational Partner:**

**China Wireless Telecommunication Standard Group (CWTS)**

Name: Ms Shumin Cao

Title: Chairperson





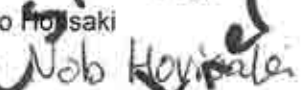

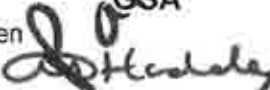

Address: China Wireless Telecommunication Standard Group (CWTS)  
 Research Institute of Telecommunication Transmission, MII  
 No. 11 Yue Tan Nan Jie  
 Beijing, 100-045  
 People's Republic of China

Signature 

Date 27 May 1999

*This organization is now a part of CUSA  
 was accepted as a 3GPP Organization  
 on 27 May 2003*

Authorised by the existing Partners

<p><b>ARIB</b>                  Mr Hiroshi Furukawa                  Signature                   Date 27 May 1999</p>	<p><b>ETSI</b>                  Mr Karl Heinz Rosenbrock                  Signature                   Date 27 May 1999</p>
<p><b>TTT</b>                  Dr Asok Chatterjee                  Signature                   Date 27 May 1999</p>	<p><b>TTA</b>                  Dr Kyu-Jin Wee                  Signature                   Date 27 May 1999</p>
<p><b>TTC</b>                  Mr Nobuhiro Hirasaki                  Signature                   Date 27 May 1999</p>	<p><b>UMTS Forum</b>                  Dr Bernd Eylert                  Signature                   Date 27 May 1999</p>
<p><b>CUSA</b>                  Mr Alan Hadden                  Signature                   Date 27th May 1999</p>	<p><b>GSM Association</b>                  Mr Michael Stocks                  Signature                   Date 1999</p>

Executed in 9 originals

**Annex 5 This Agreement is entered into by the following Market Representation Partner:**

**Universal Wireless Communications Consortium (UWCC)**

Name: Mr Leo Nikkari  
 Title: Vice President, Strategy and Industry Relations  
 Address: 1800 112<sup>th</sup> Avenue NE, Suite 260E  
 Bellvue  
 Washington  
 USA 98004-2937  
 Signature: *Leo Nikkari*  
 Date: 20 September 1999

Authorised by the existing Partners

<p><b>ARM</b>                  Mr Hiroshi Furukawa                  Signature: <i>Hiroshi Furukawa</i>                  Date: <i>20 Sept.</i> 1999</p>	<p><b>ETSI</b>                  Mr Karl Heinz Rosenbrock                  Signature: <i>Karl Heinz Rosenbrock</i>                  Date: <i>20 Sept.</i> 1999</p>
<p><b>T1</b>                  Dr Asok Chatterjee                  Signature: <i>Asok Chatterjee</i>                  Date: <i>20 September</i> 1999</p>	<p><b>TTA</b>                  Dr Kyu-Jin Wee                  Signature: <i>Kyu-Jin Wee</i>                  Date: <i>20 Sep.</i> 1999</p>
<p><b>TTC</b>                  Mr Nobuhiro Horisaki                  Signature: <i>Nob Horisaki</i>                  Date: <i>20 Sep</i> 1999</p>	<p><b>UMTS Forum</b>                  Dr Bernd Eylert                  Signature: <i>Bernd Eylert</i>                  Date: <i>21 October</i> 1999</p>
<p><b>GSA</b>                  Mr Alan Hadden                  Signature: <i>Alan Hadden</i>                  Date: <i>20 October</i> 1999</p>	<p><b>GSM Association</b>                  Mr Michael Stocks                  Signature: <i>Michael Stocks</i>                  Date: <i>20 Oct</i> 1999</p>
<p><b>CWTS</b>                  Ms Shumin Cao                  Signature: <i>Shumin Cao</i>                  Date: <i>11月3日</i> 1999</p>	


*This original Partnership is no longer in existence  
 GSA was cancelled on April 2002*

Executed in 10 originals



**Annex 6 This Agreement is entered into by the following Market Representation Partner:**

**IPv6 Forum**

Name: Mr Latif Ladid  
 Title: President, IPv6 Forum  
 Address: Ericsson Telebit A/S  
 31, Domaine de Brameschhof  
 L-82990 Kehlen  
 Luxembourg  
 Signature:   
 Date: 18 January 2000

Authorised by the existing Partners

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Hiroshi Furukawa            Signature:             Date: Jan. 18, 2000</p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock            Signature:             Date: 18 Jan. 2000</p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee            Signature:             Date: 1/18/2000</p>	<p style="text-align: center;"><b>TTA</b></p> <p>Dr Kyu-Jin Wee            Signature:             Date: 1/18/2000</p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki            Signature:             Date: 18 Jan 2000</p>	<p style="text-align: center;"><b>UMTS Forum</b></p> <p>Dr Bernd Eylert            Signature:             Date: 18 January 2000</p>
<p style="text-align: center;"><b>GSA</b></p> <p>Mr Alan Hadden            Signature:             Date: 18/1/00</p>	<p style="text-align: center;"><b>GSM Association</b></p> <p>Mr Michael Stocks            Signature:             Date: 3/2/2000</p>
<p style="text-align: center;"><b>CWTS</b></p> <p>Ms Shumin Cao            Signature:             Date: 2000.1.18</p>	<p style="text-align: center;"><b>UWCC</b></p> <p>Mr Leo Nikkari            Signature:             Date: 1/18/2000</p>

Executed in 11 originals

## Annex 7 Modification to the Scope and Purpose of 3GPP:

This Annex modifies the Scope and Purpose of 3GPP. Modified clauses have been reproduced in full with the additional text provided in italic, underlined font.

### Page 1

#### CONSIDERING THAT:

- The Partners have agreed to co-operate in the production of globally applicable Technical Specifications and Technical Reports for a 3rd Generation Mobile System based on evolved GSM core networks and the radio access technologies that they support (i.e., Universal Terrestrial Radio Access (UTRA) both Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes).
- The Partners have further agreed to co-operate in the maintenance and development of the Global System for Mobile communication (GSM) Technical Specifications and Technical Reports including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).
- 3GPP is established for the preparation, approval, and maintenance of the above mentioned Technical Specifications and Technical Reports.
- 3GPP is not to be construed as a legal entity.

### Page 2

#### 2.1 Purpose of 3GPP

The purpose of 3GPP is to prepare, approve and maintain globally applicable Technical Specifications and Technical Reports for:

- a 3rd Generation Mobile System based on the evolved GSM core networks, and the radio access technologies supported by the Partners (i.e., UTRA both FDD and TDD modes), to be transposed by the Organizational Partners into appropriate deliverables (e.g., standards).
- the Global System for Mobile communication (GSM) including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).

#### 2.3 Scope and objectives of 3GPP.

Initially, 3GPP shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for the first phase of a 3rd Generation Mobile System including:

- UTRAN (including UTRA; W-CDMA in Frequency Division Duplex (FDD) mode and TD-CDMA in Time Division Duplex (TDD) modes);
- 3GPP Core Network (Third Generation networking capabilities evolved from GSM. These capabilities include mobility management, and global roaming, and utilisation of relevant Internet Protocols);
- Terminals for access to the above (including specifications for a UIM); and
- System and service aspects.

3GPP shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for:

- the Global System for Mobile communication (GSM) including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).

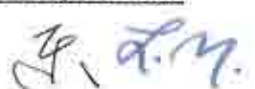
3GPP shall consider the long term evolution.



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H. H. Fu



The Technical Specifications and Technical Reports shall be developed in view of global roaming and circulation of terminals.

The set of 3GPP Technical Specifications and Technical Reports for the first phase of the 3GPP core network and the specifications for the GSM core network should be common to the greatest extent possible and should not be unnecessarily different.

The results of the 3GPP work shall form the basis of member contributions to the ITU in accordance with existing procedures.

3GPP shall take account of emerging ITU recommendations on interworking between IMT-2000 family members.

In the framework of agreed relationships, the 3GPP Technical Specifications and Technical Reports will form the basis of standards, or parts of standards, of the Organizational Partners.

Authorised by the Partners

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Hiroshi Furukawa Signature <i>Hiroshi Furukawa</i> Date <i>28 July 2000</i></p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i> Date <i>15 July 2000</i></p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee Signature <i>Asok Chatterjee</i> Date <i>7/19/2000</i></p>	<p style="text-align: center;"><b>TTA</b></p> <p>Mr Dong Sun Lee Signature <i>Dong Sun Lee</i> Date <i>07/26/2000</i></p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki Signature <i>Nobu Horisaki</i> Date <i>19 Jul 2000</i></p>	<p style="text-align: center;"><b>UMTS Forum</b></p> <p>Dr Bernd Eyleit Signature <i>B. Eyleit</i> Date <i>15 Aug 2000</i></p>
<p style="text-align: center;"><b>GSA</b></p> <p>Mr Alan Hadden Signature <i>Alan Hadden</i> Date <i>14 Aug 2000</i></p>	<p style="text-align: center;"><b>GSM Association</b></p> <p>Mr James Healy Signature <i>James Healy</i> Date <i>16 Jul 00</i></p>
<p style="text-align: center;"><b>CWTS</b></p> <p>Ms Shumin Cao Signature <i>Shumin Cao</i> Date <i>2000.7.11</i></p>	<p style="text-align: center;"><b>UWCC</b></p> <p>Mr Leo Nikkari Signature <i>Leo Nikkari</i> Date <i>July 17, 2000</i></p>
<p style="text-align: center;"><b>IPv6 Forum</b></p> <p>Mr Latif Ladid Signature <i>Latif Ladid</i> Date <i>4/8/2000</i></p>	

Executed in 11 originals



**Annex 8 This Agreement is entered into by the following Market Representation Partner:**

**Mobile Wireless Internet Forum (MWIF)**

Name: Mr Dean Sirovica  
 Title: President and Chairman  
 Address: 39355 California Street, Suite 305  
 Fremont, CA 94541  
 USA

Signature: *D. Sirovica*

Date: 15/11/00

Authorised by the existing Partners

*This Partnership Status is no longer in existence cancelled on 16 April 2003*

<p><b>ARIB</b>                  Mr Hiroshi Furukawa                  Signature: <i>Hiroshi Furukawa</i>                  Date: 11/15/2000</p>	<p><b>ETSI</b>                  Mr Karl Heinz Rosenbrock                  Signature: <i>Karl Heinz Rosenbrock</i>                  Date: 15 Nov. 2000</p>
<p><b>TTA</b>                  Dr Asok Chatterjee                  Signature: <i>Asok Chatterjee</i>                  Date: 11/15/2000</p>	<p><b>TTA</b>                  Dr Kyu-Jin Wee                  Signature: <i>Kyu-Jin Wee</i>                  Date: 11/15/2000</p>
<p><b>TTC</b>                  Mr Nobuhiro Horisaki                  Signature: <i>Nobuhiro Horisaki</i>                  Date: 15 Nov 2000</p>	<p><b>UMTS Forum</b>                  Dr Bernd Eylert                  Signature: <i>B. Eylert</i>                  Date: 15th November 2000</p>
<p><b>OSA</b>                  Mr Alan Hadden                  Signature: <i>Alan Hadden</i>                  Date: 15 Nov 2000</p>	<p><b>GSM Association</b>                  Mr Michael Steeks                  Signature: <i>Michael Steeks</i>                  Date: 2/10/03</p>
<p><b>UMTS</b>                  Ms Shumin Cao                  Signature: <i>Shumin Cao</i>                  Date: 15 Nov. 2000</p>	<p><b>UWCC</b>                  Mr Leo Nikkan                  Signature: <i>Leo Nikkan</i>                  Date: 15 NOV 2000</p>
<p><b>IPys Forum</b>                  Mr Latif Ladid                  Signature: <i>Latif Ladid</i>                  Date: 15 Nov '00</p>	

Executed in 12 originals

**Annex 9 This Agreement is entered into by the following Market Representation Partner:**

**3G.IP Focus Group (3G.IP)**

Name: Mr Brian K Daly  
 Title: Chair, Management Steering Committee  
 Address: AT&T Wireless Services  
 PO Box 97061  
 Redmond, WA 98-73-9761  
 USA  
 Signature: *Brian K Daly*  
 Date: 15 Nov 2000  
 Authorised by the existing Partners

*This Organization is no longer in existence cancelled on 16 June 2003*

<p><b>ARIB</b>                  Mr Hiroshi Furukawa                  Signature: <i>For Hiroshi: Furukawa</i>                  Date: <i>Nov. 15/2000</i></p>	<p><b>ETSI</b>                  Mr Karl Heinz Rosenbrock                  Signature: <i>Karl Heinz Rosenbrock</i>                  Date: <i>15 Nov. 2000</i></p>
<p><b>T1</b>                  Dr Asok Chatterjee                  Signature: <i>Asok Chatterjee</i>                  Date: <i>15 Nov 2000</i></p>	<p><b>TTA</b>                  Dr Kyu-Jin Wee                  Signature: <i>Kyu-Jin Wee</i>                  Date: <i>15 Nov 2000</i></p>
<p><b>TTC</b>                  Mr Nobuhiko Horisaki                  Signature: <i>Nobuhiko Horisaki</i>                  Date: <i>15 Nov 2000</i></p>	<p><b>UMTS Forum</b>                  Dr Bernd Eylert                  Signature: <i>B. Eylert</i>                  Date: <i>15th November 2000</i></p>
<p><b>GSA</b>                  Mr Alan Handley                  Signature: <i>Alan Handley</i>                  Date: <i>15 Nov 2000</i></p>	<p><b>GSM Association</b>                  Mr Michael Stocks                  Signature: <i>Michael Stocks</i>                  Date: <i>2/10/03</i></p>
<p><b>CWTS</b>                  Ms Shumin Cao                  Signature: <i>Shumin Cao</i>                  Date: <i>15 Nov. 2000</i></p>	<p><b>UWCC</b>                  Mr Leo Nikkan                  Signature: <i>Leo Nikkan</i>                  Date: <i>15 NOV 2000</i></p>
<p><b>IPv6 Forum</b>                  Mr Latif Ladid                  Signature: <i>Latif Ladid</i>                  Date: <i>15 Nov '00</i></p>	<p><b>MWIF</b>                  Mr Dean Sirovica                  Signature: <i>D. Sirovica</i>                  Date: <i>15 NOV 00</i></p>

Executed in 13 originals

**Annex 10 This Agreement is entered into by the following Market Representation Partner:**

**3G Americas, LLC**

Name: Mr Chris Pearson  
 Title: Executive Vice President  
 Address: 1756 114<sup>th</sup> Ave SE, Suite 100  
 Bellevue, WA 98004  
 USA

Signature 

Date: 26 April 2002

Authorised by the existing Partners

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Masayoshi Wakao                      Signature <i>p.o. Gullie Inoh</i>                      Date <i>26/04/02</i></p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock                      Signature <i>Karl Heinz Rosenbrock</i>                      Date <i>26 April 2002</i></p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee                      Signature <i>Asok Chatterjee</i>                      Date <i>4/26/2002</i></p>	<p style="text-align: center;"><b>TTA</b></p> <p>Dr Ju Hwan Yim                      Signature <i>Park Jeong Sik</i>                      Date <i>26 April 2002</i></p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki                      Signature <i>Nob Horisaki</i>                      Date <i>26 Apr 2002</i></p>	<p style="text-align: center;"><b>UMTS Forum</b></p> <p>Dr Bernd Eylert                      Signature <i>B. Eylert</i>                      Date <i>26/4/02</i></p>
<p style="text-align: center;"><b>GSA</b></p> <p>Mr Alan Hadden                      Signature <i>A. Hadden</i>                      Date <i>April 26, 2002</i></p>	<p style="text-align: center;"><b>GSM Association</b></p> <p>Mr Scott Fox                      Signature <i>Scott Fox</i>                      Date <i>2/10/03</i></p>
<p style="text-align: center;"><b>CWTS</b></p> <p>Ms Shumin Cao                      Signature <i>Shumin Cao</i>                      Date <i>26/4/02</i></p>	<p style="text-align: center;"><b>IPV6 Forum</b></p> <p>Mr Latif Ladig                      Signature <i>p.o. Bernard</i>                      Date <i>Oct. 2, 2003</i></p>
<p style="text-align: center;"><b>MWIF</b></p> <p>Mr Dean Sirovica                      Signature                      Date</p>	<p style="text-align: center;"><b>3G.IP</b></p> <p>Mr Brian Daly                      Signature                      Date</p>

Executed in 13 originals



**Annex 11 This Agreement is entered into by the following Organizational Partner:**

**China Communications Standards Association, CCSA**

Name: Mr Zhou Baoxin

Title: General Secretary of China Communications Standards Association (CCSA)

Address: 52# Hua Yuan Bei Road  
Haidian District  
Beijing  
P.R.China 100083

Signature: *Wangzhigui*

Date: 15 April 2004

Authorised by the existing Partners

<p style="text-align: center;"><b>ARIB</b></p> <p>Mr Masayoshi Wakao Signature: <i>Masayoshi Wakao</i> PP Date: 15 April 2004</p>	<p style="text-align: center;"><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock Signature: <i>Karl Heinz Rosenbrock</i> Date: 15 April 2004</p>
<p style="text-align: center;"><b>T1</b></p> <p>Dr Asok Chatterjee Signature: <i>Asok Chatterjee</i> Date: 4/15/2004</p>	<p style="text-align: center;"><b>TTA</b></p> <p>Dr Ju Hwan Yim Signature: <i>Ju Hwan Yim</i> PP Hong Won hui Date: 15 APR 2004</p>
<p style="text-align: center;"><b>TTC</b></p> <p>Mr Nobuhiro Horisaki Signature: <i>Nobuhiro Horisaki</i> Date: 15/APR/2004</p>	<p style="text-align: center;"><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bienaimé Signature: <i>Jean-Pierre Bienaimé</i> Date: 15/04/2004</p>
<p style="text-align: center;"><b>GSA</b></p> <p>Mr Alan Hadden Signature: <i>Alan Hadden</i> Date: 15 April 2004</p>	<p style="text-align: center;"><b>GSM Association</b></p> <p>Mr Bill Best Signature: <i>Bill Best</i> Date: 15/04/04</p>
<p style="text-align: center;"><b>IPv6 Forum</b></p> <p>Mr Latif Ladid Signature: <i>Latif Ladid</i> Date:</p>	

Executed in 10 originals

**Annex 12 This Agreement is entered into by the following Organizational Partner:**

**Alliance for Telecommunications Industry Solutions, ATIS  
(Replacing Committee T1)**

Name: Mrs Susan Miller

Title: President and CEO of the Alliance for Telecommunications Industry Solutions

Address: 1200 G Street NW  
Suite 500  
Washington, DC, 20005  
USA

Signature *Susan M. Miller*

Date 15 April 2004

Authorised by the existing Partners

<p><b>ARIB</b> Mr Masayoshi Wakao Signature <i>Masaki Wakao</i> Date <i>15 April 2004</i></p>	<p><b>CCSA</b> Mr Zhou Baoxin Signature <i>Wangshiqin</i> Date <i>15/04/2004</i></p>
<p><b>ETSI</b> Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i> Date <i>15 April 2004</i></p>	<p><b>TTA</b> Dr Ju Hwan Yim Signature <i>PP Hong Woon Kue</i> Date <i>15 APR 2004</i></p>
<p><b>TTC</b> Mr Nobuhiro Horisaki Signature <i>Nob Horisaki</i> Date <i>15 APR / 2004</i></p>	<p><b>UMTS Forum</b> Mr Jean-Pierre Bienajmé Signature <i>Jean-Pierre Bienajmé</i> Date <i>15/04/2004</i></p>
<p><b>GSA</b> Mr Alan Hadden Signature <i>Alan Hadden</i> Date <i>15 April 2004</i></p>	<p><b>GSM Association</b> Mr Bill Best Signature <i>Bill Best</i> Date <i>15/04/04</i></p>
<p><b>IPv6 Forum</b> Mr Latif Ladid Signature <i>Latif Ladid</i> Date</p>	



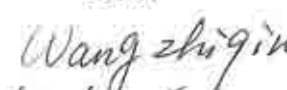
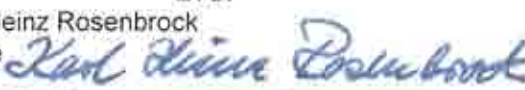
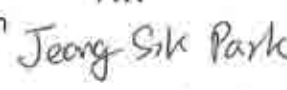
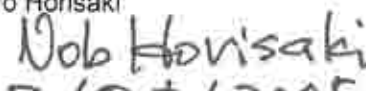
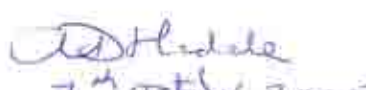
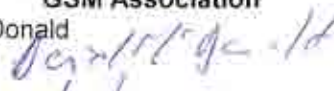
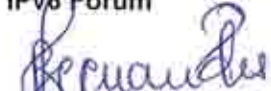

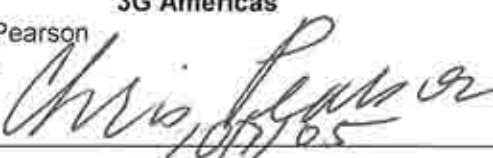

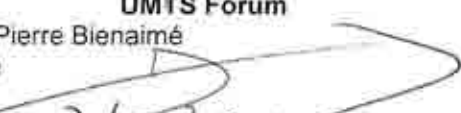

Executed in 10 originals

**Annex 13 This Agreement is entered into by the following Market Representation Partner:**

**TD SCDMA FORUM**

Name: Dr. Jing Wang  
 Title: Secretary General  
 Address: TD SCDMA Forum  
 Add, Room 1021, Office Tower,  
 Beijing Capital Times Square,  
 No.88 West Chang'an Avenue,  
 Beijing, PRC. 100031  
 Signature:   
 Date: 7 October 2005

Authorised by the existing Partners

<p><b>ARIB</b>                      Mr Masayoshi Wakao                      Signature:                       Date: 07/10/2005</p>	<p><b>ATIS</b>                      Mrs Susan Miller                      Signature:                       Date: 10/07/2005</p>
<p><b>CCSA</b>                      Mr Zhou Baoxin                      Signature:                       Date: 07/10/2005</p>	<p><b>ETSI</b>                      Mr Karl Heinz Rosenbrock                      Signature:                       Date: 07 Oct. 2005</p>
<p><b>TTA</b>                      Dr Hong Koo Kim                      Signature:                       Date: 07/10/2005</p>	<p><b>TTC</b>                      Mr Nobuhiro Horisaki                      Signature:                       Date: 7/10/2005</p>
<p><b>GSA</b>                      Mr Alan Hadden                      Signature:                       Date: 7<sup>th</sup> October 2005</p>	<p><b>GSM Association</b>                      Mr David McDonald                      Signature:                       Date: 7/10/2005</p>
<p><b>IPv6 Forum</b>                      Mr Latif Ladid                      Signature:                       Date: </p>	<p><b>3G Americas</b>                      Mr Chris Pearson                      Signature:                       Date: </p>
<p><b>UMTS Forum</b>                      Mr Jean-Pierre Bienaimé                      Signature:                       Date: </p>	

Executed in 12 originals




**Annex 14 This Agreement is entered into by the following Market Representation Partner:**

**TD SCDMA Industry Alliance**

Name: Mr. Yang Hua  
 Title: Secretary General  
 Address: TDIA  
 611 Canway Building,  
 66 Nan Li Shi Road,  
 Beijing, 100045 P.R. China

Signature   
 Date 7 October 2005

Authorised by the existing Partners

<p><b>ARIB</b>                      Mr Masayoshi Wakao                      Signature  (for Mr. M. Wakao)                      Date 07/10/2005</p>	<p><b>ATIS</b>                      Mrs Susan Miller                      Signature  (for Susan Miller)                      Date 10/07/2005</p>
<p><b>CCSA</b>                      Mr Zhou Baoxin                      Signature                       Date 07/10/2005</p>	<p><b>ETSI</b>                      Mr Karl Heinz Rosenbrock                      Signature                       Date 07 Oct. 2005</p>
<p><b>TTA</b>                      Dr Hong Koo Kim                      Signature                       Date 07/Oct. 2005</p>	<p><b>TTC</b>                      Mr Nobuhiro Horisaki                      Signature                       Date 7/Oct/2005</p>
<p><b>GSA</b>                      Mr Alan Hadden                      Signature                       Date 7<sup>th</sup> October 2005</p>	<p><b>GSM Association</b>                      Mr David McDonald                      Signature                       Date 7/10/2005</p>
<p><b>IPv6 Forum</b>                      Mr Latif Ladid                      Signature                       Date</p>	<p><b>3G Americas</b>                      Mr Chris Pearson                      Signature                       Date 10-7-05</p>
<p><b>UMTS Forum</b>                      Mr Jean-Pierre Bienaimé                      Signature                       Date 7/10/2005</p>	<p><b>TD SCDMA Forum</b>                      Dr Jing Wang                      Signature                       Date 10/7/05</p>

Executed in 13 originals

**Annex 15 This Agreement is entered into by the following Market Representation Partner:**

**MobileIGNITE MoU**

Name: Mr. Leo Nikkari  
 Title: Executive Director

Address: PO Box 81236  
 Chicago,  
 Illinois,  
 USA, 60681-1236

Signature: *Leo Nikkari*

Date: 21 April 2006

Authorised by the existing Partners

<p><b>ARIB</b></p> <p>Mr Masayoshi Wakao                  Signature: <i>Masayoshi Wakao</i>                  Date: 21.04.2006</p>	<p><b>ATIS</b></p> <p>Mrs Susan Miller                  Signature: <i>Susan Miller</i>                  Date: 4/21/2006</p>
<p><b>CCSA</b></p> <p>Mr Zhou Baoxin                  Signature: <i>Wang Baoxin</i>                  Date: 21.04.2006</p>	<p><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock                  Signature: <i>Karl Heinz Rosenbrock</i>                  Date: 21 April 2006</p>
<p><b>TTA</b></p> <p>Dr Hong Koo Kim                  Signature: <i>J.S. Park</i>                  Date: 4/21/2006</p>	<p><b>TTC</b></p> <p>Mr Nobuhiro Horisaki                  Signature: <i>Nob Horisaki</i>                  Date: 4/21/2006</p>
<p><b>GSA</b></p> <p>Mr Alan Hadden                  Signature: <i>Alan Hadden</i>                  Date: 21/4/06</p>	<p><b>GSM Association</b></p> <p>Mr David McDonald                  Signature: <i>David McDonald</i>                  Date: 21/4/06</p>
<p><b>IPv6 Forum</b></p> <p>Mr Latif Ladid                  Signature: <i>Latif Ladid</i>                  Date: 4/21/2006</p>	<p><b>3G Americas</b></p> <p>Mr Chris Pearson                  Signature: <i>Chris Pearson</i>                  Date: 4/21/2006</p>
<p><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bienaimé                  Signature: <i>Jean-Pierre Bienaimé</i>                  Date: 4.04.2006</p>	<p><b>TD SCDMA Forum</b></p> <p>Dr Jing Wang                  Signature: <i>Jing Wang</i>                  Date: 2006年4月21日</p>
<p><b>TD-SCDMA Industry Alliance</b></p> <p>Mr Yang Hua                  Signature: <i>Yang Hua</i>                  Date: 2006年4月21日</p>	

THIS ORGANIZATION IS NO LONGER IN EXISTENCE PARTNERSHIP STATUS 2009

Executed in 14 originals

**Annex 16 This Agreement is entered into by the following Market Representation Partner:**

**Global UMTS TDD Alliance**

Name: Mrs. Liz Kerton  
 Title: Executive Director  
 Address: c/o The Kerton Group  
 8032 Canyon Creek Circle  
 Pleasanton, CA 94588  
 USA

Signature

Date 12 October 2006

Authorised by the existing Partners

<p><b>ARIB</b>                  Mr Masayoshi Wakao                  Signature                  Date</p>	<p><b>ATIS</b>                  Mrs Susan Miller                  Signature                  Date</p>
<p><b>CCSA</b>                  Mr Zhou Baoxin                  Signature                  Date</p>	<p><b>ETSI</b>                  Mr Karl Heinz Rosenbrock                  Signature                  Date</p>
<p><b>TTA</b>                  Dr Hong Kook Kim                  Signature                  Date</p>	<p><b>TTC</b>                  Mr Nobuhiro Horisaki                  Signature                  Date</p>
<p><b>GSA</b>                  Mr Alan Hadden                  Signature                  Date</p>	<p><b>GSM Association</b>                  Mr David McDonald                  Signature                  Date</p>
<p><b>IPv6 Forum</b>                  Mr Latif Ladid                  Signature                  Date</p>	<p><b>3G Americas</b>                  Mr Chris Pearson                  Signature                  Date</p>
<p><b>UMTS Forum</b>                  Mr Jean-Pierre Bienaimé                  Signature                  Date</p>	<p><b>TD SCDMA Forum</b>                  Dr Jing Wang                  Signature                  Date</p>
<p><b>TD-SCDMA Industry Alliance</b>                  Mr Yang Hua                  Signature                  Date</p>	<p><b>MobileIGNITE MoU</b>                  Mr Leo Nikkari                  Signature                  Date</p>

THIS AGREEMENT IS NO LONGER IN FORCE AS OF 28 OCTOBER 2009

THIS SIGNATURE IS FOR CANCELLATION

Executed in 15 originals



**Annex 17 This Agreement is entered into by the following Market Representation Partner:**

**IMS Forum**

Name: Mrs. Marian Stasney  
 Title: Executive Director  
 Address: 39355 California Street, Suite 307  
 Fremont, CA 94538  
 USA

Signature: *Marian Stasney*  
 Date: 12 October 2006

Authorised by the existing Partners

<p><b>ARIB</b></p> <p>Mr Masayoshi Wakao                  Signature: <i>Masayoshi Wakao</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>ATIS</b></p> <p>Mrs Susan Miller                  Signature: <i>Susan Miller</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>CCSA</b></p> <p>Mr Zhou Baoxin                  Signature: <i>Zhou Baoxin</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>ETSI</b></p> <p>Mr Karl Heinz Rosenbrock                  Signature: <i>Karl Heinz Rosenbrock</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>TTA</b></p> <p>Dr Hong Koo Kim                  Signature: <i>Hong Koo Kim</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>TTC</b></p> <p>Mr Nobuhiro Horisaki                  Signature: <i>Nobuhiro Horisaki</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>GSA</b></p> <p>Mr Alan Hadden                  Signature: <i>Alan Hadden</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>GSM Association</b></p> <p>Mr David McDonald                  Signature: <i>David McDonald</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>IPv6 Forum</b></p> <p>Mr Latif Ladid                  Signature: <i>Latif Ladid</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>3G Americas</b></p> <p>Mr Chris Pearson                  Signature: <i>Chris Pearson</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bienaimé                  Signature: <i>Jean-Pierre Bienaimé</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>TD SCDMA Forum</b></p> <p>Dr Jing Wang                  Signature: <i>Jing Wang</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>TD-SCDMA Industry Alliance</b></p> <p>Mr Yang Hua                  Signature: <i>Yang Hua</i>                  Date: <i>12 Oct 2006</i></p>	<p><b>MobileIGNITE MoU</b></p> <p>Mr Leo Nikkari                  Signature: <i>Leo Nikkari</i>                  Date: <i>12 Oct 2006</i></p>
<p><b>Global UMTS TDD Alliance</b></p> <p>Mrs Liz Kerton                  Signature: <i>Liz Kerton</i>                  Date: <i>12 Oct 2006</i></p>	

THIS PARTNERSHIP IS NO LONGER VALID SINCE APRIL 2016

Executed in 16 originals

## **Annex 18 Modification to the Scope and Purpose of 3GPP:**

This Annex modifies the Scope and Purpose of 3GPP. Modified clauses have been reproduced in full with the additional text provided in italic, underlined font.

### **Page 1**

#### **CONSIDERING THAT:**

- The Partners have agreed to co-operate in the production of globally applicable Technical Specifications and Technical Reports for a 3rd Generation Mobile System based on evolved GSM core networks and the radio access technologies that they support (i.e., Universal Terrestrial Radio Access (UTRA) both Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes).
- The Partners have further agreed to co-operate in the maintenance and development of the Global System for Mobile communication (GSM) Technical Specifications and Technical Reports including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).
- The Partners have agreed that the further evolution of IMS should be done in an access independent manner.
- 3GPP is established for the preparation, approval, and maintenance of the above mentioned Technical Specifications and Technical Reports.
- 3GPP is not to be construed as a legal entity.

### **Page 2**

#### **2.1 Purpose of 3GPP**

The purpose of 3GPP is to prepare, approve and maintain globally applicable Technical Specifications and Technical Reports for:

- a 3rd Generation Mobile System based on the evolved GSM core networks, and the radio access technologies supported by the Partners (i.e., UTRA both FDD and TDD modes), to be transposed by the Organizational Partners into appropriate deliverables (e.g., standards).
- the Global System for Mobile communication (GSM) including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).
- an evolved IMS developed in an access independent manner.

### **Page 3**

#### **2.3 Scope and objectives of 3GPP.**

3GPP shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for a 3rd Generation Mobile System including:

- UTRAN (including UTRA; in Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes);
- 3GPP Core Network (Third Generation networking capabilities evolved from GSM. These capabilities include mobility management, global roaming, and utilisation of relevant Internet Protocols);
- Terminals for access to the above (including specifications for a UIM); and
- An evolved IMS developed in an access independent manner; and
- System and service aspects.

3GPP shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for:

- the Global System for Mobile communication (GSM) including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).

3GPP shall consider the long term evolution

The Technical Specifications and Technical Reports shall be developed in view of global roaming and circulation of terminals.

The set of 3GPP Technical Specifications and Technical Reports for the 3GPP core network and the specifications for the GSM core network should be common to the greatest extent possible and should not be unnecessarily different.

The results of the 3GPP work shall form the basis of member contributions to the ITU in accordance with existing procedures.

3GPP shall take account of emerging ITU recommendations on interworking between IMT-2000 family members.

In the framework of agreed relationships, the 3GPP Technical Specifications and Technical Reports will form the basis of standards, or parts of standards, of the Organizational Partners.

Authorised by the existing Partners

Mr Masayoshi Wakao Signature Date	<b>ARIB</b> 	Mrs Susan Miller Signature Date	<b>ATIS</b> 
Mr Zhou Baoxin Signature Date	<b>CCSA</b> 	Dr Walter Weigel Signature Date	<b>ETSI</b> 
Mr Won-Sik Kim Signature Date	<b>TTA</b> 	Dr Yuji Inoue Signature Date	<b>TTC</b> 
Mr Alan Hadden Signature Date	<b>GSA</b> 	Mr David McDonald Signature Date	<b>GSM Association</b> 
Mr Latif Ladid Signature Date	<b>IPv6 Forum</b> 	Mr Chris Pearson Signature Date	<b>3G Americas</b> 
Mr Jean-Pierre Bienaime Signature Date	<b>UMTS Forum</b> 	Dr Jing Wang Signature Date	<b>TD SCDMA Forum</b> 
Mr Yang Hua Signature Date	<b>TD-SCDMA Industry Alliance</b> 	Mr Leo Nikkari Signature Date	<b>MobileIGNITE MoU</b>
Mrs Liz Kerton Signature Date	<b>Global UMTS TDD Alliance</b>	Mrs Marian Stasney Signature Date	<b>IMS Forum</b>

Executed in 16 originals



## Annex 19 Modification to the Scope and Purpose of 3GPP:

This Annex modifies the Scope and Purpose of 3GPP. Modified clauses have been reproduced with the additional text provided in *italic, underlined font*.

### Page 1

Officially recognized Standardization Organizations have agreed to work collaboratively for the production of *evolved* Third Generation *and beyond* Mobile System specifications<sup>1</sup>. The means for this collaborative activity has been provided in the form of a Partnership Project. The Partners in the Partnership Project are signatories to this Third Generation Partnership Project Agreement, hereinafter referred to as the Agreement.

### CONSIDERING THAT:

- The Partners have agreed to co-operate in the production of globally applicable Technical Specifications and Technical Reports for an *evolved* 3rd Generation *and beyond* Mobile System based on evolved *GSM3GPP* core networks and the radio access technologies that they support (i.e., Universal Terrestrial Radio Access (UTRA) both Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes).
- The Partners have further agreed to co-operate in the maintenance and development of the Global System for Mobile communication (GSM) Technical Specifications and Technical Reports including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).
- The Partners have agreed that the further evolution of IMS should be done in an access independent manner.
- 3GPP is established for the preparation, approval, and maintenance of the above mentioned Technical Specifications and Technical Reports.
- 3GPP is not to be construed as a legal entity.

<sup>1</sup> *This includes all existing 3GPP system specifications*

### Page 2

#### 2.1 Purpose of 3GPP

The purpose of 3GPP is to prepare, approve and maintain globally applicable Technical Specifications and Technical Reports for:

- *an evolved* 3rd Generation *and beyond* Mobile System based on the evolved *GSM3GPP* core networks, and the radio access technologies supported by the Partners (i.e., UTRA both FDD and TDD modes), to be transposed by the Organizational Partners into appropriate deliverables (e.g., standards).
- the Global System for Mobile communication (GSM) including GSM evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).
- an evolved IMS developed in an access independent manner.

2.3 Scope and objectives of 3GPP.

3GPP shall prepare, approve and maintain the necessary set of Technical Specifications and Technical Reports for an *evolved* 3rd Generation *and beyond* Mobile System including:

- *Evolved* UTRAN *and beyond* (including UTRA, in Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes);
- 3GPP Core Network *and evolutions* (Third Generation networking capabilities *originally* evolved from GSM. These capabilities include mobility management, global roaming, and utilisation of relevant Internet Protocols);
- Terminals for access to the above (including specifications for a UIM);
- An evolved IMS developed in an access independent manner; and
- System and service aspects.

Authorised by the existing Partners

<p>Mr Masayoshi Wakao Signature Date</p> <p><b>ARIB</b> <i>Kohji Satoh</i> 18.12.2007</p>	<p>Mrs Susan Miller Signature Date</p> <p><b>ATIS</b> <i>Susan Miller</i> 18/12/2007</p>
<p>Mr Zhou Baoxin Signature Date</p> <p><b>CCSA</b> <i>Wang Zhiguo</i></p>	<p>Dr Walter Weigel Signature Date</p> <p><b>ETSI</b> <i>W. Weigel</i> 18/12/07</p>
<p>Mr Won-Sik Kim Signature Date</p> <p><b>TTA</b> <i>J.S. Park</i> 18/12/2007</p>	<p>Dr Yuji Inoue Signature Date</p> <p><b>TTC</b> <i>Yuji Inoue</i> 18/12/2007</p>
<p>Mr Alan Hadden Signature Date</p> <p><b>GSA</b> <i>Alan Hadden</i> 18/12/2007</p>	<p>Mr David McDonald Signature Date</p> <p><b>GSM Association</b> <i>David McDonald</i> 18/12/07</p>
<p>Mr Latif Ladid Signature Date</p> <p><b>IPv6 Forum</b></p>	<p>Mr Chris Pearson Signature Date</p> <p><b>3G Americas</b> <i>Chris Pearson</i> 12-18-07</p>
<p>Mr Jean-Pierre Bienaimé Signature Date</p> <p><b>UMTS Forum</b></p>	<p>Dr Jing Wang Signature Date</p> <p><b>TD SCDMA Forum</b> <i>Jing Wang</i></p>
<p>Mr Yang Hua Signature Date</p> <p><b>TD-SCDMA Industry Alliance</b> <i>Yang Hua</i></p>	<p>Mr Leo Nikkari Signature Date</p> <p><b>MobileIGNITE MoU</b></p>
<p>Mrs Liz Kerton Signature Date</p> <p><b>Global UMTS TDD Alliance</b></p>	<p>Mrs Marian Stasney Signature Date</p> <p><b>IMS Forum</b></p>

Executed in 16 originals





**Annex 21 This Agreement is entered into by the following Market Representation Partner:**

**FemtoForum**

Name: Prof. Simon Saunders  
Title: Chairman

Address: PO Box 23  
GL11 5WA  
United Kingdom

Signature: *S. S. Saunders*

Date: 23 April 2008

Authorised by the existing Partners

<p><b>ARIB</b> Mr Masayoshi Wakao Signature: <i>Masayoshi Wakao</i> Date: 23.04.2008</p>	<p><b>ATIS</b> Mrs Susan Miller Signature: <i>Susan Miller</i> Date: 4/23/2008</p>
<p><b>CCSA</b> Mr Zhou Baoxin Signature: <i>Wang Zhen</i> Date: 23/04/08</p>	<p><b>ETSI</b> Dr Walter Weigel Signature: <i>W. Weigel</i> Date: 23/4/08</p>
<p><b>TTA</b> Mr Won-Sik Kim Signature: <i>Won-Sik Kim</i> Date: 23/04/08</p>	<p><b>TTC</b> Dr Yuji Inoue Signature: <i>Yuji Inoue</i> Date: 23/04/08</p>
<p><b>GSA</b> Mr Alan Hadden Signature: <i>Jonas Sundbom</i> Date: 23/4/08</p>	<p><b>GSM Association</b> Mr Alex Sinclair Signature: <i>Alex Sinclair</i> Date: 23-4-08</p>
<p><b>IPv6 Forum</b> Mr Latif Ladid Signature: _____ Date: _____</p>	<p><b>3G Americas</b> Mr Chris Pearson Signature: <i>Chris Pearson</i> Date: 4-23-08</p>
<p><b>UMTS Forum</b> Mr Jean-Pierre Bienaimé Signature: <i>J.P. Bienaimé</i> Date: April 23, 08.</p>	<p><b>TD SCDMA Forum</b> Dr Jing Wang Signature: <i>Jing Wang</i> Date: 4-23-08</p>
<p><b>TD-SCDMA Industry Alliance</b> Mr Yang Hua Signature: <i>Yang Hua</i> Date: 23/04/08</p>	<p><b>MobileIGNITE MoU</b> Mr Leo Nikkari Signature: _____ Date: _____</p>
<p><b>Global UMTS TDD Alliance</b> Mrs Liz Kerton Signature: _____ Date: _____</p>	<p><b>IMS Forum</b> Mrs Marian Stasney Signature: _____ Date: _____</p>
<p><b>Infocommunication Union</b> Mr Andrey Skorodumov Signature: <i>Andrey Skorodumov</i> Date: 23 April 2008</p>	

Executed in 18 originals

**Annex 22 This Agreement is entered into by the following Market Representation Partner:**

**Fixed-Mobile Convergence Alliance**

Name: Mr Andrew Haworth  
Title: Managing Director

Address: pp 3B CTE, Newcastle Central TEL EXCH  
Carlol Square  
Newcastle Upon Tyne  
Tyne And Wear NE1 1BB, United Kingdom

Signature:   
Date: 23 April 2008

Authorised by the existing Partners

<p><b>ARIB</b> Mr Masayoshi Wakao Signature:  Date: 23.04.08</p>	<p><b>ATIS</b> Mrs Susan Miller Signature:  Date: 4/23/2008</p>
<p><b>CCSA</b> Mr Zhou Baoxin Signature:  Date: 23/04/08</p>	<p><b>ETSI</b> Dr Walter Weigel Signature:  Date: 23/4/08</p>
<p><b>TTA</b> Mr Won-Sik Kim Signature:  Date: 23/04/08</p>	<p><b>TTC</b> Dr Yuji Inoue Signature:  Date: 23/04/08</p>
<p><b>GSA</b> Mr Alan Hadden Signature:  Date: 23/4/08</p>	<p><b>GSM Association</b> Mr Alex Sinclair Signature:  Date: 23-4-08</p>
<p><b>IPv6 Forum</b> Mr Latif Ladid Signature:  Date: 23/04/08</p>	<p><b>3G Americas</b> Mr Chris Pearson Signature:  Date: 4-23-08</p>
<p><b>UMTS Forum</b> Mr Jean-Pierre Bienaimé Signature:  Date: 23/04/08</p>	<p><b>TD SCDMA Forum</b> Dr Jing Wang Signature:  Date: 4-23-08</p>
<p><b>TD-SCDMA Industry Alliance</b> Mr Yang Hua Signature:  Date: 23/04/08</p>	<p><b>MobileIGNITE MoU</b> Mr Leo Nikkari Signature: _____ Date: _____</p>
<p><b>Global UMTS TDD Alliance</b> Mrs Liz Kerton Signature: _____ Date: _____</p>	<p><b>IMS Forum</b> Mrs Marian Stasney Signature: _____ Date: _____</p>
<p><b>Infocommunication Union</b> Mr Andrey Skorodumov Signature:  Date: 23 April 2008</p>	<p><b>FemtoForum</b> Prof. Simon Saunders Signature:  Date: 23/4/08</p>

Executed in 19 originals

THIS ORIGINAL PARTNERSHIP STATUS IS NO LONGER IN EXISTENCE AS OF 22 APRIL 2010

**Annex 23 This Agreement is entered into by the following Market Representation Partner:**

**CDMA Development Group**

Name: Mr Perry LaForge  
 Title: Executive Director  
 Address: 575 Anton Blvd., Ste. 560  
 Costa Mesa, CA 92626  
 USA

Signature 

Date 28 October 2009

Authorised by the existing Partners

<p><b>ARIB</b>                      Mr Masayoshi Wakao                      Signature                       Date 28/10/2009</p>	<p><b>ATIS</b>                      Mrs Susan Miller                      Signature                       Date 10/28/2009                      for Susan Miller</p>
<p><b>CCSA</b>                      Mr Zhou Baoxin                      Signature                       Date 28/10/09</p>	<p><b>ETSI</b>                      Dr Walter Weigel                      Signature                       Date 28/10/09</p>
<p><b>TTA</b>                      Mr Won-Sik Kim                      Signature                       Date 28/10/09</p>	<p><b>TTC</b>                      Dr Yuji Inoue                      Signature                       Date 28/10/2009</p>
<p><b>GSA</b>                      Mr Alan Hadden                      Signature                       Date 28.10.09</p>	<p><b>GSM Association</b>                      Mr Alex Sinclair                      Signature                      Date</p>
<p><b>IPv6 Forum</b>                      Mr Latif Ladid                      Signature                      Date</p>	<p><b>3G Americas</b>                      Mr Chris Pearson                      Signature                       Date 10-28-09</p>
<p><b>UMTS Forum</b>                      Mr Jean-Pierre Bienaimé                      Signature                       Date 28-10-2009</p>	<p><b>TD SCDMA Forum</b>                      Dr Jing Wang                      Signature                       Date 28 Oct 2009</p>
<p><b>TD-SCDMA Industry Alliance</b>                      Mr Yang Hua                      Signature                       Date 28 Oct 2009</p>	<p><b>MobileIGNITE MoU</b>                      Mr Leo Nikkari                      Signature                      Date</p>
<p><b>Global UMTS TDD Alliance</b>                      Mrs Liz Kerton                      Signature                      Date</p>	<p><b>IMS Forum</b>                      Mrs Marian Stasney                      Signature                      Date</p>
<p><b>Infocommunication Union</b>                      Mr Andrey Skorodumov                      Signature                      Date</p>	<p><b>FemtoForum</b>                      Prof. Simon Saunders                      Signature                       Date 10/28/09</p>
<p><b>Fixed-Mobile Convergence Alliance</b>                      Mr Andrew Howarth                      Signature                      Date</p>	

Executed in 20 originals



**Annex 24 This Agreement is entered into by the following Market Representation Partner:**

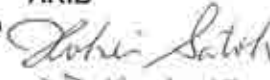
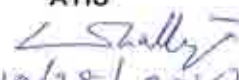
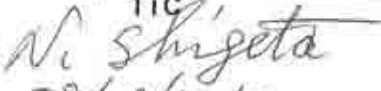
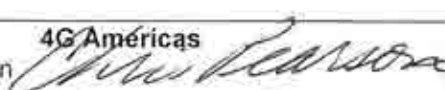

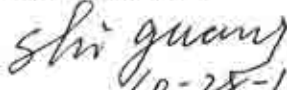
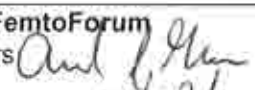
**Cellular Operators Association of India (COAI)**

Name: Mr T.R. Dua  
 Title: Officiating Director General  
 Address: 14 Bhai Veer Sing Marg  
 New Delhi 110 001  
 India

Signature:  Date: 28 October 2010

Authorised by the existing Partners

for

<p><b>ARIB</b>                      Mr Masayoshi Wakao                      Signature:                       Date: 27.10.2010</p>	<p><b>ATIS</b>                      Mrs Susan Miller                      Signature:                       Date: for 10/28/2010</p>
<p><b>CCSA</b>                      Mr Zhou Baoxin                      Signature:                       Date: 28.10.2010</p>	<p><b>ETSI</b>                      Dr Walter Weigel                      Signature:                       Date: 28/10/10</p>
<p><b>TTA</b>                      Mr Keun Hyeonb Lee                      Signature:                       Date: 28/10/10</p>	<p><b>TTC</b>                      Dr Yuji Inoue                      Signature:                       Date: 28/10/2010</p>
<p><b>GSA</b>                      Mr Alan Hadden                      Signature:                       Date: 28.10.2010</p>	<p><b>GSM Association</b>                      Mr Alex Sinclair                      Signature:                      Date:</p>
<p><b>IPv6 Forum</b>                      Mr Latif Ladid                      Signature:                      Date:</p>	<p><b>4G Americas</b>                      Mr Chris Pearson                      Signature:                       Date: 10-28-10</p>
<p><b>UMTS Forum</b>                      Mr Jean-Pierre Bienaimé                      Signature:                       Date: 28 Oct 2010</p>	<p><b>TD SCDMA Forum</b>                      Dr Jing Wang                      Signature:                       Date: 10-28-10</p>
<p><b>TD-SCDMA Industry Alliance</b>                      Mr Yang Hua                      Signature:                       Date: 28/10/2010</p>	<p><b>IMS Forum</b>                      Mr Michael Khalilian                      Signature:                      Date:</p>
<p><b>Infocommunication Union</b>                      Mr Andrey Skorodumov                      Signature:                      Date:</p>	<p><b>FemtoForum</b>                      Prof. Simon Saunders                      Signature:                       Date: 10/28/10</p>

Executed in 17 originals

  
 C.D.G.

**Annex 25 This Agreement is entered into by the following Market Representation Partner:**

**Next Generation Mobile Network Alliance (NGMN)**


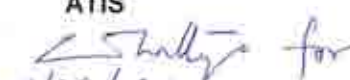



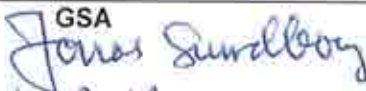
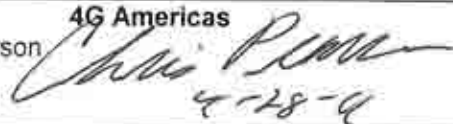
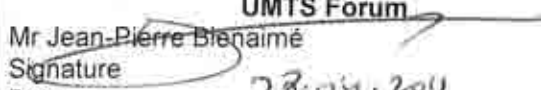
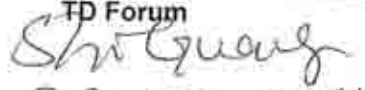



Name: Dr Peter Meissner  
 Title: Operating Officer, NGMN Ltd  
 Address: Friedrich-Ebert-Anlage 58  
 60325 Frankfurt  
 Germany

Signature



Date 28 April 2011

Authorised by the existing Partners

<p><b>ARIB</b>                  Mr Masayoshi Wakao                  Signature                   Date 28.04.2011</p>	<p><b>ATIS</b>                  Mrs Susan Miller                  Signature                   Date 4/28/2011</p>
<p><b>CCSA</b>                  Mr Yang Zemin                  Signature                   Date 28.04.2011</p>	<p><b>ETSI</b>                  Dr Walter Weigel                  Signature                  Date</p>
<p><b>TTA</b>                  Mr Keun Hyeonb Lee                  Signature                   Date 28.04.2011</p>	<p><b>TTC</b>                  Dr Yuji Inoue                  Signature                   Date 28.04.2011</p>
<p><b>GSA</b>                  Mr Alan Hadden                  Signature                   Date 28.4.2011</p>	<p><b>GSM Association</b>                  Mr Alex Sinclair                  Signature                  Date</p>
<p><b>IPv6 Forum</b>                  Mr Latif Ladid                  Signature                  Date</p>	<p><b>4G Americas</b>                  Mr Chris Pearson                  Signature                   Date 4-28-11</p>
<p><b>UMTS Forum</b>                  Mr Jean-Pierre Bienaimé                  Signature                   Date 28.04.2011</p>	<p><b>TD Forum</b>                  Mr Shi Guang                  Signature                   Date 28-04-2011</p>
<p><b>TD-SCDMA Industry Alliance</b>                  Mr Yang Hua                  Signature                   Date 28.04.2011</p>	<p><b>IMS Forum</b>                  Mr Michael Khalilian                  Signature                  Date</p>
<p><b>Infocommunication Union</b>                  Mr Andrey Skorodumov                  Signature                  Date</p>	<p><b>FemtoForum</b>                  Prof Simon Saunders                  Signature                   Date 20/4/11</p>
<p><b>CDMA Development Group</b>                  Mr Perry LaForge                  Signature                   Date 4/28/2011</p>	<p><b>Cellular Operators Association of India (COAI)</b>                  Mr Rajan Mathews                  Signature                  Date</p>

for

Executed in 19 originals


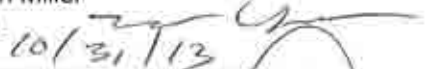


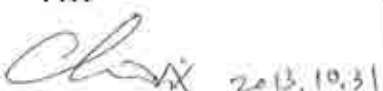

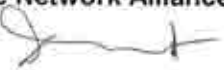
**Annex 26 This Agreement is entered into by the following Market Representation Partner:**

**TETRA & Critical Communications Association (TCCA)**

Name: Mr. Philip Kidner  
 Title: CEO  
 Address: 14 Blandford Square  
 Newcastle Upon Tyne, NE1 4HZ  
 United Kingdom

Signature  Date 31 October 2013

Authorised by the existing Partners

<p><b>ARIB</b></p> <p>Dr Kohei Satoh                  Signature                   Date 31.10.2013</p>	<p><b>ATIS</b></p> <p>Mrs Susan Miller                  Signature                   Date 10/31/13</p>
<p><b>CCSA</b></p> <p>Mr Yang Zemin                  Signature                   Date 31.10.2013</p>	<p><b>ETSI</b></p> <p>Mr Luis Jorge Romero Saro                  Signature                   Date 31.10.2013</p>
<p><b>TTA</b></p> <p>Mr Chasik Leem                  Signature                   Date 2013.10.31</p>	<p><b>TTC</b></p> <p>Mr Yoichi Maeda                  Signature                   Date 10/31/13</p>
<p><b>GSA</b></p> <p>Mr Alan Hadden                  Signature                  Date</p>	<p><b>GSM Association</b></p> <p>Mr Alex Sinclair                  Signature                  Date</p>
<p><b>IPv6 Forum</b></p> <p>Mr Latif Ladd                  Signature                  Date</p>	<p><b>4G Americas</b></p> <p>Mr Chris Pearson                  Signature                  Date</p>
<p><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bienaimé                  Signature                  Date</p>	<p><b>TD Forum</b></p> <p>Mr Shi Guang                  Signature                  Date</p>
<p><b>TD-SCDMA Industry Alliance</b></p> <p>Mr Yang Hua                  Signature                  Date</p>	<p><b>IMS Forum</b></p> <p>Mr Michael Khalilian                  Signature                  Date</p>
<p><b>Infocommunication Union</b></p> <p>Mr Andrey Skorodumov                  Signature                  Date</p>	<p><b>Small Cell Forum</b></p> <p>Mr Graham Wright                  Signature                  Date</p>
<p><b>CDMA Development Group</b></p> <p>Mr Perry LaForge                  Signature                  Date</p>	<p><b>Cellular Operators Association of India (COAI)</b></p> <p>Mr Rajan Mathews                  Signature                  Date</p>
<p><b>Next Generation Mobile Network Alliance (NGMN)</b></p> <p>Dr. Peter Meissner                  Signature                   Date 31.10.2013</p>	

Executed in 20 originals



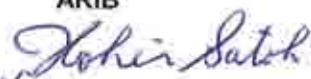





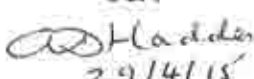
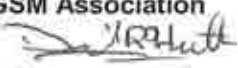
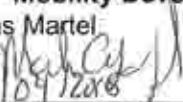
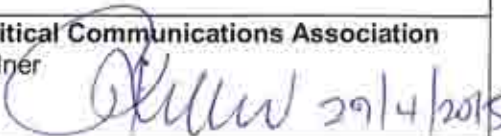
**Annex 27 This Agreement is entered into by the following Organizational Partner:**

**Telecommunications Standards Development Society, India (TSDSI)**

Name: Dr. Asok Chatterjee  
 Title: Director General  
 Address: C-DoT Campus, Mandi Road, Mehrauli  
 New Delhi-110030, India

Signature  Date 29 April 2015

Authorised by the existing Partners

<p><b>ARIB</b></p> <p>Dr Kohei Satoh                      Signature                       Date 29.04.2015</p>	<p><b>ATIS</b></p> <p>Mrs Susan Miller                       Signature                      Date 4/29/2015</p>
<p><b>CCSA</b></p> <p>Mr Yang Zemin                      Signature                       Date 29.4.2015</p>	<p><b>ETSI</b></p> <p>Mr Luis Jorge Romero Saro                       Signature                      Date 29.04.2015</p>
<p><b>TTA</b></p> <p>Dr Kyu-Jin Wee                      Signature                       Date 29.04.2015</p>	<p><b>TTC</b></p> <p>Mr Yoichi Maeda                       Signature                      Date 29 04 2015</p>
<p><b>GSA</b></p> <p>Mr Joe Barrett                      Signature                       Date 29/4/15</p>	<p><b>GSM Association</b></p> <p>Mr Alex Sinclair                       Signature                      Date 29/04/2015</p>
<p><b>IPv6 Forum</b></p> <p>Mr Latif Ladid                      Signature                      Date</p>	<p><b>4G Americas</b></p> <p>Mr Chris Pearson                      Signature                      Date</p>
<p><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bienaimé                      Signature                      Date</p>	<p><b>TD Forum</b></p> <p>Mr Shi Guang                      Signature                      Date</p>
<p><b>TD-SCDMA Industry Alliance</b></p> <p>Mr Yang Hua                      Signature                      Date</p>	<p><b>IMS Forum</b></p> <p>Mr Michael Khalilian                      Signature                      Date</p>
<p><b>Infocommunication Union</b></p> <p>Mr Andrey Skorodumov                      Signature                      Date</p>	<p><b>Small Cell Forum</b></p> <p>Mrs Sue Monahan                      Signature                      Date</p>
<p><b>Mobility Development Group</b></p> <p>Mr Douglas Martel                      Signature                       Date 29/04/2015</p>	<p><b>Cellular Operators Association of India (COAI)</b></p> <p>Mr Rajan Mathews                      Signature                      Date</p>
<p><b>Next Generation Mobile Network Alliance (NGMN)</b></p> <p>Dr. Peter Meissner                      Signature                      Date</p>	<p><b>TETRA &amp; Critical Communications Association</b></p> <p>Mr. Philip Kidner                      Signature                       Date 29/4/2015</p>

Executed in 21 originals

**Annex 28 This Agreement is entered into by the following Market Representation Partner:**

**Global Certification Forum (GCF) Ltd**

Name: Mr Lars S Nielsen  
 Title: General Manager  
 Address: 20-22 Bedford Row, London WC1J 4JS  
 United Kingdom

Signature  Date 29 April 2016

Authorised by the existing Partners

<p><b>ARIB</b></p> <p>Dr Kohel Satoh Signature Date</p> <p><i>Kato</i> <i>29/04/2016</i></p>	<p><b>ATIS</b></p> <p>Mrs Susan Miller Signature Date</p> <p><i>Susan Miller</i> <i>April 29, 2016</i></p>
<p><b>CCSA</b></p> <p>Mr Yang Zemin Signature Date</p> <p><i>Wangzhimin</i> <i>29/04/2016</i></p>	<p><b>ETSI</b></p> <p>Mr Luis Jorge Romero Saro Signature Date</p> <p><i>[Signature]</i> <i>29.04.2016</i></p>
<p><b>TSDSI</b></p> <p>Prof Abhay Karandikar Signature Date</p> <p><i>[Signature]</i> <i>29/04/2016</i></p>	<p><b>TTA</b></p> <p>Dr Kyu-Jin Wee Signature Date</p> <p><i>[Signature]</i> <i>4/29/2016</i></p>
<p><b>TTC</b></p> <p>Mr Yoichi Maeda Signature Date</p> <p><i>[Signature]</i> <i>29/04/2016</i></p>	<p><b>GSA</b></p> <p>Mr Joe Barrett Signature Date</p> <p><i>[Signature]</i> <i>29-4-16</i></p>
<p><b>GSM Association</b></p> <p>Mr Alex Sinclair Signature Date</p> <p><i>[Signature]</i> <i>29/4/2016</i></p>	<p><b>IPv6 Forum</b></p> <p>Mr Latif Ladid Signature Date</p>
<p><b>5G Americas</b></p> <p>Mr Chris Pearson Signature Date</p>	<p><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bignaine Signature Date</p> <p><i>[Signature]</i> <i>29/04/2016</i></p>
<p><b>TD Forum</b></p> <p>Mr Shi Guang Signature Date</p>	<p><b>TD-SCDMA Industry Alliance</b></p> <p>Mr Yang Hua Signature Date</p>
<p><b>Small Cell Forum</b></p> <p>Mrs Sue Monahan Signature Date</p>	<p><b>Mobility Development Group</b></p> <p>Mr Douglas Martel Signature Date</p>
<p><b>Cellular Operators Association of India (COAI)</b></p> <p>Mr Rajan Mathews Signature Date</p>	<p><b>Next Generation Mobile Network Alliance (NGMN)</b></p> <p>Dr. Peter Meissner Signature Date</p>
<p><b>TETRA &amp; Critical Communications Association</b></p> <p>Mr. Philip Kidner Signature Date</p> <p><i>[Signature]</i> <i>29/4/2016</i></p>	

Executed in 20 originals

**Annex 29 This Agreement is entered into by the following Market Representation Partner:**

**CTIA**

Name: Mr Thomas Sawanobori  
 Title: Senior Vice President and Chief Technology Officer  
 Address: 1400 16<sup>th</sup> Street, N.W. Suite 600,  
 Washington, DC 20036, USA

Signature  Date 29 April 2016

Authorised by the existing Partners

<p><b>ARIB</b></p> <p>Dr Kohei Satoh Signature Date</p> <p><i>Yasuhiro Kato</i></p>	<p><b>ATIS</b></p> <p>Mrs Susan Miller Signature Date</p> <p><i>Susan M. Miller</i></p>
<p><b>CCSA</b></p> <p>Mr Yang Zemin Signature Date</p> <p><i>王正勤</i></p>	<p><b>ETSI</b></p> <p>Mr Luis Jorge Romero Saro Signature Date</p> <p><i>[Signature]</i></p>
<p><b>TSDSI</b></p> <p>Prof Abhay Karandikar Signature Date</p> <p><i>Abhay</i></p>	<p><b>TTA</b></p> <p><i>Keunka Lee</i> Dr Kyu-din Wee Signature Date</p> <p><i>[Signature]</i></p>
<p><i>Shuichi Imada</i> <b>TTC</b></p> <p>Mr Yoichi-Maeda Signature Date</p> <p><i>稲田 修一</i></p>	<p><b>GSA</b></p> <p>Mr Joe Barrett Signature Date</p> <p><i>[Signature]</i></p>
<p><b>GSM Association</b></p> <p>Mr Alex Sinclair Signature Date</p> <p><i>[Signature]</i></p>	<p><b>IPv6 Forum</b></p> <p>Mr Latif Ladid Signature Date</p>
<p><b>5G Americas</b></p> <p>Mr Chris Pearson Signature Date</p>	<p><b>UMTS Forum</b></p> <p>Mr Jean-Pierre Bienaimé Signature Date</p> <p><i>[Signature]</i></p>
<p><b>TD Forum</b></p> <p>Mr Shi Guang Signature Date</p>	<p><b>TD-SCDMA Industry Alliance</b></p> <p>Mr Yang Hua Signature Date</p> <p><i>王崇华</i></p>
<p><b>Small Cell Forum</b></p> <p>Mrs Sue Monahan Signature Date</p>	<p><b>Mobility Development Group</b></p> <p>Mr Douglas Martel Signature Date</p>
<p><b>Cellular Operators Association of India (COAI)</b></p> <p>Mr Rajan Mathews Signature Date</p>	<p><b>Next Generation Mobile Network Alliance (NGMN)</b></p> <p>Dr. Peter Meissner Signature Date</p>
<p><b>TETRA &amp; Critical Communications Association</b></p> <p>Mr. Philip Kidner Signature Date</p>	<p><b>GCF</b></p> <p>Mr Lars S Nielsen Signature Date</p>

Executed in 21 originals



**Annex 30: This Agreement is entered into by the following Market Representation Partner:**

**Wireless Broadband Alliance (WBA)**

Name: Mr Shrikant Sherwai  
 Title: CEO  
 Address: 8 Eu Tong Sen Street #14-94, The Central,  
 Singapore 059818

Signature 

Date 21 October 2016

Authorised by the existing Partners

Dr Kohei Satoh Signature	<b>ARIB</b> 	Ms Susan Miller Signature	<b>ATIS</b> 
Mr Yang Zemin Signature	<b>CCSA</b> 	Mr Luis Jorge Romero Saro Signature	<b>ETSI</b> 
Prof Abhay Karandikar Signature	<b>TSDSI</b> 	Dr Keunku Lee Signature	<b>TTA</b> 
Mr Shuichi Inada Signature	<b>TTC</b> 	Mr Joe Barrett Signature	<b>GSA</b> 
Mr Alex Sinclair Signature	<b>GSM Association</b>	Mr Latif Ladid Signature	<b>IPv6 Forum</b>
Mr Chris Pearson Signature	<b>5G Americas</b>	Mr Jean-Pierre Bienaimé Signature	<b>UMTS Forum</b> 
Mr Shi Guang Signature	<b>TD Forum</b>	Mr Yang Hua Signature	<b>TD-SCDMA Industry Alliance</b>
Mrs Sue Monahan Signature	<b>Small Cell Forum</b>	Mr Douglas Martel Signature	<b>Mobility Development Group</b>
<b>Cellular Operators Association of India (COAI)</b> Mr Rajan Mathews Signature		<b>Next Generation Mobile Network Alliance (NGMN)</b> Dr. Peter Meissner Signature	
<b>TETRA &amp; Critical Communications Association</b> Mr. Philip Kidner Signature		<b>GCF</b> Mr Lars S Nielsen Signature	
<b>CTIA</b> Mr Thomas Sawanobori Signature			

Executed in 22 originals

**Annex 31 This Agreement is entered into by the following Market Representation Partner:**

**Public Safety Communication Europe (PSCE)**

Name: Mrs Marie-Christine Bonnamour  
 Title: Secretary General  
 Address: Rue des 2 églises, 39,  
 BE 1000 Brussels

Signature  Date 21 October 2016

Authorised by the existing Partners

Dr Kohei Satoh Signature	<b>ARIB</b> 	Ms Susan Miller Signature	<b>ATIS</b> 
Mr Yang Zemin Signature	<b>CCSA</b> 	Mr Luis Jorge Romero Saro Signature	<b>ETSI</b> 
Prof Abhay Karandikar Signature	<b>TSDSI</b> 	Dr Keunku Lee Signature	<b>TTA</b> 
Mr Shuichi Inada Signature	<b>TTC</b> 	Mr Joe Barrett Signature	<b>GSA</b> 
Mr Alex Sinclair Signature	<b>GSM Association</b>	Mr Latif Ladid Signature	<b>IPv6 Forum</b>
Mr Chris Pearson Signature	<b>5G Americas</b>	Mr Jean-Pierre Bienaimé Signature	<b>UMTS Forum</b> 
Mr Shi Guang Signature	<b>TD Forum</b>	Mr Yang Hua Signature	<b>TD-SCDMA Industry Alliance</b>
Mrs Sue Monahan Signature	<b>Small Cell Forum</b>	Mr Douglas Martel Signature	<b>Mobility Development Group</b>
Cellular Operators Association of India (COAI) Mr Rajan Mathews Signature		Next Generation Mobile Network Alliance (NGMN) Dr. Peter Meissner Signature	
TETRA & Critical Communications Association Mr. Philip Kidner Signature		Mr Lars S Nielsen Signature	<b>GCF</b>
Mr Thomas Sawanobori Signature	<b>CTIA</b>	Mr Shrikant Sherwai Signature	<b>WBA</b> 

Executed in 23 originals

**Annex 32 This Agreement is entered into by the following Market Representation Partner:**

**5G Infrastructure Association (5G-IA)**


Name: Mr Jean-Pierre Bienaimé  
 Title: Secretary General  
 Address: AA-TOWER, Technologiepark 19, 9052 Zwijnaarde, Belgium,

Signature  Date 21 October 2016

Authorised by the existing Partners

Dr Kohei Satoh Signature	<b>ARIB</b> Kato	Ms Susan Miller Signature	<b>ATIS</b> 
Mr Yang Zemin Signature	<b>CCSA</b> 王正敏	Mr Luis Jorge Romero Saro Signature	<b>ETSI</b> 
Prof Abhay Karandikar Signature	<b>TSDSI</b> Abhay	Dr Keunku Lee Signature	<b>TTA</b> 
Mr Shuichi Inada Signature	<b>TTC</b> 稲田 修一	Mr Joe Barrett Signature	<b>GSA</b> 
Mr Alex Sinclair Signature	<b>GSM Association</b>	Mr Latif Ladid Signature	<b>IPv6 Forum</b>
Mr Chris Pearson Signature	<b>5G Americas</b>	Mr Jean-Pierre Bienaimé Signature	<b>UMTS Forum</b> 
Mr Shi Guang Signature	<b>TD Forum</b>	Mr Yang Hua Signature	<b>TD-SCDMA Industry Alliance</b>
Mrs Sue Monahan Signature	<b>Small Cell Forum</b>	Mr Douglas Martel Signature	<b>Mobility Development Group</b>
<b>Cellular Operators Association of India (COAI)</b> Mr Rajan Mathews Signature		<b>Next Generation Mobile Network Alliance (NGMN)</b> Dr. Peter Meissner Signature	
<b>TETRA &amp; Critical Communications Association</b> Mr. Philip Kidner Signature		<b>GCF</b> Mr Lars S Nielsen Signature	
<b>CTIA</b> Mr Thomas Sawanobori Signature		<b>WBA</b> Mr Shrikant Sherwai Signature	

Executed in 24 originals

PSCE  




**Annex 33 This Agreement is entered into by the following Market Representation Partner:**

**5G Automotive Association e.V. (5GAA)**

Name: Mr Dino Flore  
 Title: Secretary General  
 Address: Neumarkter Str. 2, 81673 Munich  
 Germany

Signature  Date 26 April 2017

Authorised by the existing Partners

Mr Seiji Nishioka Signature	ARIB 	Ms Susan Miller Signature	ATIS 
Mr Yang Zemin Signature	CCSA 	Mr Luis Jorge Romero Saro Signature	ETSI 
Prof Abhay Karandikar Signature	TSDSI 	Dr Keunku Lee Signature	TTA 
Mr Shuichi Inada Signature	TTC subs by M.S. 	Mr Joe Barrett Signature	GSA 
Mr Alex Sinclair Signature	GSM Association 	Mr Latif Ladid Signature	IPv6 Forum
Mr Chris Pearson Signature	5G Americas 	Mr Shi Guang Signature	TD Forum
Mr Yang Hua Signature	TD-SCDMA Industry Alliance	Mrs Sue Monahan Signature	Small Cell Forum
Mr Douglas Martel Signature	Mobility Development Group	Mr Rajan Mathews Signature	Cellular Operators Association of India (COAI)
Dr. Peter Meissner Signature	Next Generation Mobile Network Alliance (NGMN) 	Mr. Philip Kidner Signature	TETRA & Critical Communications Association 
Mr Lars S Nielsen Signature	GCF	Mr Thomas Sawanobori Signature	CTIA
Mr Shrikant Shenwai Signature	WBA	Mrs Marie-Christine Bonnamour Signature	PSCE
Mr Jean-Pierre Bienaimé Signature	5G-IA 		

Executed in 24 originals

**Annex 34 This Agreement is entered into by the following Market Representation Partner:**

**Broadband India Forum (BIF)**

Name: Mr TV Ramachandran  
 Title: President  
 Address: Suite 312A, Deepshikha Building, New Delhi 110008,  
 India

Signature  Date 12 April 2018

Authorised by the existing Partners

Mr Seiji Nishioka Signature	<b>ARIB</b> 	Ms Susan Miller Signature	<b>ATIS</b> 
Mr Yang Zemin Signature	<b>CCSA</b> 	Mr Luis Jorge Romero Saro Signature	<b>ETSI</b> 
Ms Pamela Kumar Signature	<b>TSDSI</b> 	Dr Keunku Lee Signature	<b>TTA</b> 
Mr Shuichi Inada Signature	<b>TTC</b> 	Mr Joe Barrett Signature	<b>GSA</b>
Mr Alex Sinclair Signature	<b>GSM Association</b>	Mr Latif Ladid Signature	<b>IPv6 Forum</b>
Mr Chris Pearson Signature	<b>5G Americas</b>	Mr Shi Guang Signature	<b>TD Forum</b>
Mr Yang Hua Signature	<b>TD-SCDMA Industry Alliance</b>	Mrs Sue Monahan Signature	<b>Small Cell Forum</b>
Mr Douglas Martel Signature	<b>Mobility Development Group</b>	Mr Rajan Mathews Signature	<b>Cellular Operators Association of India (COAI)</b>
Dr. Peter Meissner Signature	<b>Next Generation Mobile Network Alliance (NGMN)</b>	Mr. Tony Gray Signature	<b>The Critical Communications Association</b> 
Mr Lars S Nielsen Signature	<b>GCF</b>	Mr Thomas Sawanobori Signature	<b>CTIA</b>
Mr Shrikant Shenwai Signature	<b>WBA</b>	Mrs Marie-Christine Bonnamour Signature	<b>PSCE</b>
Mr Jean-Pierre Bienaimé Signature	<b>5G-IA</b> 	Mr Dino Flore Signature	<b>5G-AA</b>

Executed in 25 originals





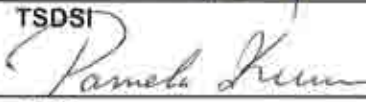
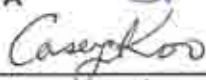


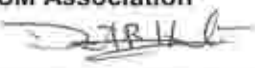

**Annex 35 This Agreement is entered into by the following Market Representation Partner:**

**EMEA Satellite Operators Association (ESOA)**

Name: Aarti Holla-Maini  
 Title: Secretary General  
 Address: Avenue Marnix 17, 1000 Brussels, Belgium

Signature  Date 19 October 2018

Authorised by the existing Partners

Mr Seiji Nishioka Signature	<b>ARIB</b> 	Ms Susan Miller Signature	<b>ATIS</b> 
Mr Yang Zemin Signature	<b>CCSA</b> 	Mr Luis Jorge Romero Saro Signature	<b>ETSI</b> 
Ms Pamela Kumar Signature	<b>TSDSI</b> 	Mr. Koo Kyoung Cheol Signature	<b>TTA</b> 
Mr Shuichi Inada Signature	<b>TTC</b> 	Mr Joe Barrett Signature	<b>GSA</b> 
<small>MRDINO WATSON</small> Mr Alex Sinelair Signature	<b>GSM Association</b> 	Mr Latif Ladid Signature	<b>IPv6 Forum</b>
Mr Chris Pearson Signature	<b>5G Americas</b>	Mr Shi Guang Signature	<b>TD Forum</b>
Mr Yang Hua Signature	<b>TD-SCDMA Industry Alliance</b>	Mrs Sue Monahan Signature	<b>Small Cell Forum</b>
Mr Douglas Martel Signature	<b>Mobility Development Group</b>	Mr Rajan Mathews Signature	<b>Cellular Operators Association of India (COAI)</b>
Dr. Peter Meissner Signature	<b>Next Generation Mobile Network Alliance (NGMN)</b>	Mr. Tony Gray Signature	<b>The Critical Communications Association</b> 
Mr Lars S Nielsen Signature	<b>GCF</b>	Mr Thomas Sawanobori Signature	<b>CTIA</b>
Mr Shrikant Shenwai Signature	<b>WBA</b>	Mrs Marie-Christine Bonnamour Signature	<b>PSCE</b>
Mr Jean-Pierre Bienaimé Signature	<b>5G-IA</b>	Mr Dino Flore Signature	<b>5G-AA</b>
Mr TV Ramachandran Signature	<b>Broadband India Forum</b>		

Executed in 26 originals



**Annex 36 This Agreement is entered into by the following Market Representation Partner:**

**ZVEI – Zentralverband Elektrotechnik- und Elektronikindustrie e.V.**

Name: Gunter Koschnick  
 Title: Managing Director  
 Address: ZVEI e.V., Lyoner Strasse 9, 60528 Frankfurt  
 Germany

Signature  Date 2 November 2018

Authorised by the existing Partners

Mr Seiji Nishioka Signature	<b>ARIB</b> 	Ms Susan Miller Signature	<b>ATIS</b> 
Mr Yang Zemin Signature	<b>CCSA</b> 	Mr Luis Jorge Romero Saro Signature	<b>ETSI</b> 
Ms Pamela Kumar Signature	<b>TSDSI</b> 	Mr. Koo Kyoung Cheol Signature	<b>TTA</b> 
Mr Shuichi Inada Signature	<b>TTC</b> 稲田 修一	Mr Joe Barrett Signature	<b>GSA</b> 
Mr Alex Sinclair Signature	<b>GSM Association</b> 	Mr Latif Ladid Signature	<b>IPv6 Forum</b>
Mr Chris Pearson Signature	<b>5G Americas</b>	Mr Shi Guang Signature	<b>TD Forum</b>
Mr Yang Hua Signature	<b>TD-SCDMA Industry Alliance</b>	Mrs Sue Monahan Signature	<b>Small Cell Forum</b>
Mr Douglas Martel Signature	<b>Mobility Development Group</b>	Mr Rajan Mathews Signature	<b>Cellular Operators Association of India (COAI)</b>
Dr. Peter Meissner Signature	<b>Next Generation Mobile Network Alliance (NGMN)</b>	Mr. Tony Gray Signature	<b>The Critical Communications Association</b> 
Mr Lars S Nielsen Signature	<b>GCF</b>	Mr Thomas Sawanobori Signature	<b>CTIA</b>
Mr Shrikant Shenwai Signature	<b>WBA</b>	Mrs Marie-Christine Bonnamour Signature	<b>PSCE</b>
Mr Jean-Pierre Bienaimé Signature	<b>5G-IA</b>	Mr Dino Flore Signature	<b>5G-AA</b>
Mr TV Ramachandran Signature	<b>Broadband India Forum</b>	Mrs Aarti Holla-Maini Signature	<b>EMEA Satellite Operators Association</b> 








Executed in 27 originals

**Annex 37 This Agreement is entered into by the following Market Representation Partner:**

**Automotive Edge Computing Consortium (AECC)**

Name: Geng Wu  
 Title: AECC Treasurer and Liaison Relationship Strategy Committee Chair  
 Address: Intel Corporation  
 2111 NE 25th Avenue  
 Hillsboro, OR 97124  
 USA

Accepted as MRP by the existing Partners on 07 April 2020









<p><b>Automotive Edge Computing Consortium (AECC)</b></p> <p><b>Geng Wu</b></p>  <p>Geng.wu@intel.com</p>	<p><b>ARIB</b></p> <p><b>Seiji Nishioka</b></p> <p>西岡 誠右</p> <p>s-nishioka@arib.or.jp</p>
<p><b>ATIS</b></p> <p><b>Susan Miller</b></p>  <p>smiller@atis.org</p>	<p><b>CCSA</b></p> <p><b>Wen Ku</b></p>  <p>wenku@ccsa.org.cn</p>
<p><b>ETSI</b></p> <p><b>Luis Jorge Romero</b></p>  <p>luis.romero@etsi.org</p>	<p><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b></p>  <p>ng.subramaniam@tsdsi.in</p>
<p><b>TTA</b></p> <p><b>Koo Kyoung Cheol</b></p>  <p>kckoo@tta.or.kr</p>	<p><b>TTC</b></p> <p><b>Taku Kiyasu</b></p>  <p>kiyasu@s.ttc.or.jp</p>

**Annex 38 This Agreement is entered into by the following Market Representation Partner:**

**China Society of Automotive Engineers (CSAE)**

Name: Ding Yanci  
 Title: Deputy Minister of Standards Management Department  
 Address: 7F, Building 7, Courtyard 13 (AVIC H5), Ronghua South Rd  
 Yizhuang Economic Development Zone  
 Beijing  
 China

Accepted as MRP by the existing Partners on 10 July 2020

<p><b>China Society of Automotive Engineers (CSAE)</b></p> <p>Ding Yanci</p> <p></p> <p><small>Ding Yanci (Nov 3, 2021 09:42 GMT+8)</small></p> <p>dyc@sae-china.org</p>	<p><b>ARIB</b></p> <p>Seiji Nishioka</p> <p></p> <p>s-nishioka@arib.or.jp</p>
<p><b>ATIS</b></p> <p>Susan Miller</p> <p></p> <p><small>Susan M. Miller (Oct 22, 2021 11:31 EDT)</small></p> <p>smiller@atis.org</p>	<p><b>CCSA</b></p> <p>Wen Ku</p> <p></p> <p><small>Wen. Ku (Nov 1, 2021 10:43 GMT+8)</small></p> <p>wenku@ccsa.org.cn</p>
<p><b>ETSI</b></p> <p>Luis Jorge Romero</p> <p></p> <p>luis.romero@etsi.org</p>	<p><b>TSDSI</b></p> <p>N.G. Subramaniam</p> <p></p> <p><small>n.ganapathy.subramaniam (Oct 25, 2021 17:37 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p><b>TTA</b></p> <p>Koo Kyoung Cheol</p> <p></p> <p><small>Kyoung Cheol Koo (Oct 25, 2021 08:57 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p><b>TTC</b></p> <p>Taku Kiyasu</p> <p></p> <p><small>Taku KIYASU (Oct 25, 2021 13:45 GMT+9)</small></p> <p>kiyasu@s.ttc.or.jp</p>




**Annex 39 This Agreement is entered into by the following Market Representation Partner:**

**Deterministic Networking Alliance (5GDNA)**

Name: Jason Dai  
 Title: President of 5GDNA  
 Address: 8F, Post and Telecommunication Building,  
 No.11, Chengshousi Road,  
 Fengtai District,  
 Beijing  
 China

Accepted as MRP by the existing Partners on 16 October 2020


<p align="center"><b>Deterministic Networking Alliance (5GDNA)</b></p> <p><b>Jason Dai</b></p> <p><i>Jason Dai</i>  <small>Jason Dai (Nov 9, 2021 10:10 GMT+8)</small></p> <p>daijisheng@huawei.com</p>	<p align="center"><b>ARIB</b></p> <p><b>Seiji Nishioka</b></p> <p>西岡 誠右  <small>s-nishioka@arib.or.jp</small></p>
<p align="center"><b>ATIS</b></p> <p><b>Susan Miller</b></p> <p><i>Susan Miller</i>  <small>Susan Miller (Nov 9, 2021 08:13 GMT+8)</small></p> <p>smiller@atis.org</p>	<p align="center"><b>CCSA</b></p> <p><b>Wen Ku</b></p> <p>闻坤  <small>Wen Ku (Nov 9, 2021 10:58 GMT+8)</small></p> <p>wenku@ccsa.org.cn</p>
<p align="center"><b>ETSI</b></p> <p><b>Luis Jorge Romero</b></p> <p>  <small>luis.romero@etsi.org</small></p>	<p align="center"><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b></p> <p><i>n.ganapathy subramaniam</i>  <small>n.ganapathy subramaniam (Nov 8, 2021 17:46 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p align="center"><b>TTA</b></p> <p><b>Koo Kyoung Cheol</b></p> <p><i>Kyoung Cheol Koo</i>  <small>Kyoung Cheol Koo (Nov 8, 2021 00:29 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p align="center"><b>TTC</b></p> <p><b>Nobuyuki Tajiri</b></p> <p><i>Nobuyuki Tajiri</i>  <small>Nobuyuki Tajiri (Nov 8, 2021 21:34 GMT+9)</small></p> <p>tajiri@s.ttc.or.jp</p>

**Annex 40 This Agreement is entered into by the following Market Representation Partner:**

**5G Media Action Group (5G-MAG)**

Name: Antonio Arcidiacono  
 Title: 5G-MAG Chair  
 Address: 5G-MAG Association  
 c/o EBU – L'Ancienne-Route 17A  
 CH-1218 Le Grand-Saconnex  
 Geneva  
 Switzerland

Accepted as MRP by the existing Partners on 29 January 2021









<p style="text-align: center;"><b>5G Media Action Group (5G-MAG)</b></p> <p><b>Antonio Arcidiacono</b></p> <p><i>Antonio Arcidiacono</i>  <small>Antonio Arcidiacono (Nov 9, 2021 12:20 GMT+1)</small></p> <p>arcidiacono@ebu.ch</p>	<p style="text-align: center;"><b>ARIB</b></p> <p><b>Seiji Nishioka</b></p> <p>西岡 誠彦  <small>s-nishioka@arib.or.jp</small></p>
<p style="text-align: center;"><b>ATIS</b></p> <p><b>Susan Miller</b></p> <p><i>Susan Miller</i>  <small>Susan Miller (Nov 8, 2021 08:21 EST)</small></p> <p>smiller@atis.org</p>	<p style="text-align: center;"><b>CCSA</b></p> <p><b>Wen Ku</b></p> <p>闻库  <small>wenku@ccsa.org.cn</small></p>
<p style="text-align: center;"><b>ETSI</b></p> <p><b>Luis Jorge Romero</b></p> <p>  <small>luis.romero@etsi.org</small></p>	<p style="text-align: center;"><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b></p> <p><i>n.ganapathy subramaniam</i>  <small>n.ganapathy subramaniam (Nov 8, 2021 18:10 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p style="text-align: center;"><b>TTA</b></p> <p><b>Koo Kyoung Cheol</b></p> <p><i>Kyoung Cheol Koo</i>  <small>Kyoung Cheol Koo (Nov 8, 2021 20:31 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p style="text-align: center;"><b>TTC</b></p> <p><b>Nobuyuki Tajiri</b></p> <p><i>Nobuyuki Tajiri</i>  <small>Nobuyuki Tajiri (Nov 8, 2021 11:25 GMT+9)</small></p> <p>tajiri@s.ttc.or.jp</p>

**Annex 41 This Agreement is entered into by the following Market Representation Partner:**

**5G Slicing Association (5GSA)**

Name: Luigi Licciardi  
 Title: President and Chair  
 Address: c/o Walder Wyss AG  
 Seefeldstrasse 123  
 8008 Zürich  
 Switzerland

Accepted as MRP by the existing Partners on 20 October 2021

<p style="text-align: center;"><b>5G Slicing Association (5GSA)</b></p> <p><b>Luigi Licciardi</b>    <small>Luigi Licciardi (Nov 9, 2021 10:38 GMT+3)</small>                  luigi.licciardi@huawei.com</p>	<p style="text-align: center;"><b>ARIB</b></p> <p><b>Seiji Nishioka</b>    <small>s-nishioka@arib.or.jp</small></p>
<p style="text-align: center;"><b>ATIS</b></p> <p><b>Susan Miller</b>    <small>Susan Miller (Nov 9, 2021 07:46 EST)</small>                  smiller@atis.org</p>	<p style="text-align: center;"><b>CCSA</b></p> <p><b>Wen Ku</b>    <small>Wen Ku (Nov 10, 2021 20:07 GMT+8)</small>                  wenku@ccsa.org.cn</p>
<p style="text-align: center;"><b>ETSI</b></p> <p><b>Luis Jorge Romero</b>    <small>luis.romero@etsi.org</small></p>	<p style="text-align: center;"><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b>    <small>N.G. Subramaniam (Nov 9, 2021 15:03 GMT+5.3)</small>                  ng.subramaniam@tsdsi.in</p>
<p style="text-align: center;"><b>TTA</b></p> <p><b>Koo Kyoung Cheol</b>    <small>Kyoung Cheol Koo (Nov 9, 2021 18:03 GMT+9)</small>                  kckoo@tta.or.kr</p>	<p style="text-align: center;"><b>TTC</b></p> <p><b>Nobuyuki Tajiri</b>    <small>Nobuyuki Tajiri (Nov 10, 2021 09:11 GMT+9)</small>                  tajiri@s.ttc.or.jp</p>


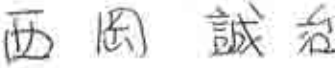




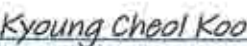



**Annex 42 This Agreement is entered into by the following Market Representation Partner:**

**MulteFire Alliance (MFA)**

Name: Mazen Chmaytelli  
 Title: President  
 Address: 5177 Brandin Court  
 Fremont, CA 94538  
 USA

Accepted as MRP by the existing Partners on 20 October 2021


<p style="text-align: center;"><b>MulteFire Alliance (MFA)</b></p> <p><b>Mazen Chmaytelli</b>                    mchmayte@qti.qualcomm.com</p>	<p style="text-align: center;"><b>ARIB</b></p> <p><b>Seiji Nishioka</b>                    s-nishioka@arib.or.jp</p>
<p style="text-align: center;"><b>ATIS</b></p> <p><b>Susan Miller</b>                    smiller@atis.org</p>	<p style="text-align: center;"><b>CCSA</b></p> <p><b>Wen Ku</b>                    wenku@ccsa.org.cn</p>
<p style="text-align: center;"><b>ETSI</b></p> <p><b>Luis Jorge Romero</b>                    luis.romero@etsi.org</p>	<p style="text-align: center;"><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b>                    ng.subramaniam@tsdsi.in</p>
<p style="text-align: center;"><b>TTA</b></p> <p><b>Koo Kyoung Cheol</b>                    kckoo@tta.or.kr</p>	<p style="text-align: center;"><b>TTC</b></p> <p><b>Nobuyuki Tajiri</b>                    tajiri@s.ttc.or.jp</p>

**Annex 43 This Agreement is entered into by the following Market Representation Partner:**

**MITRE Engenuity on behalf of Open Generation Consortium (OGC)**

Name: Laurie Giandomenico  
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 McLean, VA 22102  
 USA

Accepted as MRP by the existing Partners on 10 December 2021

<p align="center"><b>MITRE Engenuity (Open Generation Consortium)</b></p> <p><b>Laurie Giandomenico</b></p> <p><u>Laurie Giandomenico</u>  <small>Laurie Giandomenico (Jan 6, 2022 12:49 EST)</small></p> <p>lg@mitre-engenuity.org</p>	<p align="center"><b>ARIB</b></p> <p><b>Seiji Nishioka</b></p> <p>西岡 誠 石</p> <p>s-nishioka@arib.or.jp</p>
<p align="center"><b>ATIS</b></p> <p><b>Susan Miller</b></p> <p><u>Susan Miller</u>  <small>Susan Miller (Jan 6, 2022 12:24 EST)</small></p> <p>smiller@atis.org</p>	<p align="center"><b>CCSA</b></p> <p><b>Wen Ku</b></p> <p>闻 库</p> <p><u>Wen, Ku 闻库 (Jan 25, 2022 19:26 GMT+8)</u></p> <p>wenku@ccsa.org.cn</p>
<p align="center"><b>ETSI</b></p> <p><b>Luis Jorge Romero</b></p> <p></p> <p>luis.romero@etsi.org</p>	<p align="center"><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b></p> <p><u>n.g.subramaniam</u>  <small>n.g.subramaniam (Jan 7, 2022 15:37 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p align="center"><b>TTA</b></p> <p><b>Koo Kyoung Cheol</b></p> <p><u>Kyoung Cheol Koo</u>  <small>Kyoung Cheol Koo (Jan 7, 2022 08:01 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p align="center"><b>TTC</b></p> <p><b>Nobuyuki Tajiri</b></p> <p><u>Nobuyuki Tajiri</u>  <small>Nobuyuki Tajiri (Jan 12, 2022 13:41 GMT+9)</small></p> <p>tajiri@s.ttc.or.jp</p>

**Annex 44 This Agreement is entered into by the following Market Representation Partner:**

**SatCom Industry Association India (SIA-India)**

Name: Anil Prakash  
 Title: Director General  
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 Somdatt Chambers-I  
 5, Bhikaji Cama Place,  
 New Delhi  
 India

Accepted as MRP by the existing Partners on 27 April 2022

<p align="center"><b>SatCom Industry Association India (SIA-India)</b></p> <p><b>Anil Prakash</b></p> <p><i>AnilPrakash</i>  <small>AnilPrakash (May 3, 2022 10:20 GMT+5.5)</small></p> <p>anil.prakash@sia-india.com</p>	<p align="center"><b>ARIB</b></p> <p><b>Seiji Nishioka</b></p> <p>西園 誠 石  <small>s-nishioka@arib.or.jp</small></p>
<p align="center"><b>ATIS</b></p> <p><b>Susan Miller</b></p> <p><i>Susan M. Miller</i>  <small>Susan M. Miller (May 2, 2022 10:35 EDT)</small></p> <p>smiller@atis.org</p>	<p align="center"><b>CCSA</b></p> <p><b>Wen Ku</b></p> <p><i>闻 库</i>  <small>Wen, Ku (May 16, 2022 14:51 GMT+8)</small></p> <p>wenku@ccsa.org.cn</p>
<p align="center"><b>ETSI</b></p> <p><b>Luis Jorge Romero</b></p> <p><i>Luis Romero</i>  <small>Luis Romero (May 3, 2022 07:44 GMT+9)</small></p> <p>luis.romero@etsi.org</p>	<p align="center"><b>TSDSI</b></p> <p><b>N.G. Subramaniam</b></p> <p><i>n.ganapathy.subramaniam</i>  <small>n.ganapathy-subramaniam (May 3, 2022 17:19 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p align="center"><b>TTA</b></p> <p><b>Koo Kyong Cheol</b></p> <p><i>Kyung Cheol Koo</i>  <small>Kyung Cheol Koo (May 3, 2022 07:44 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p align="center"><b>TTC</b></p> <p><b>Nobuyuki Tajiri</b></p> <p><i>Nobuyuki Tajiri</i>  <small>Nobuyuki Tajiri (May 8, 2022 09:35 GMT+9)</small></p> <p>tajiri@s.ttc.or.jp</p>