

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.

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.

위유진 10.7. Ac. [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. [Signature]

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;">ARIB</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;">ETSI</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;">T1</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;">TTA</p> <p>Dr Kyu-Jin Wee Chairman SC-7 TTA Telecommunications Technology Association 13th 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;">TTC</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


3GPP Partnership Project Agreement, 4 December 1998

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 *4* December 1998

Authorised by the existing Partners

<p>ARIB</p> <p>Mr Hiroshi Furukawa</p> <p>Signature <i>Hiroshi Furukawa</i></p> <p>Date 4 December 1998</p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock</p> <p>Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date 4 December 1998</p>
<p>T1</p> <p>Dr Asok Chatterjee</p> <p>Signature <i>Asok Chatterjee</i></p> <p>Date 4 December 1998</p>	<p>TTA</p> <p>Dr Kyu-Jin Wee</p> <p>Signature <i>위 켜 진</i></p> <p>Date 4 December 1998</p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki</p> <p>Signature <i>Nob Horisaki</i></p> <p>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 24th February 1999

Authorised by the existing Partners

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

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

Authorised by the existing Partners

<p>AT&T</p> <p>Mr Hiroshi Furukawa</p> <p>Signature <i>Hiroshi Furukawa</i></p> <p>Date <i>27 May</i> 1999</p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock</p> <p>Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date <i>27 May</i> 1999</p>
<p>TTT</p> <p>Dr Asok Chatterjee</p> <p>Signature <i>Asok Chatterjee</i></p> <p>Date <i>27 May</i> 1999</p>	<p>TTA</p> <p>Dr Kyu-Jin Wee</p> <p>Signature <i>Kyu-Jin Wee</i></p> <p>Date <i>27 May</i> 1999</p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki</p> <p>Signature <i>Nobuhiro Horisaki</i></p> <p>Date <i>27 May</i> 1999</p>	<p>UMTS Forum</p> <p>Dr Bernd Eylert</p> <p>Signature <i>B. Eylert</i></p> <p>Date <i>27 May</i> 1999</p>
<p>GSA</p> <p>Mr Alan Hadden</p> <p>Signature <i>Alan Hadden</i></p> <p>Date <i>27 May</i> 1999</p>	<p>GSM Association</p> <p>Mr Michael Stocks</p> <p>Signature <i>Michael Stocks</i></p> <p>Date <i>27 May</i> 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 112th Avenue NE, Suite 260E
 Bellvue
 Washington
 USA 98004-2937
 Signature: *Leo Nikkari*
 Date: 20 September 1999

Authorised by the existing Partners

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

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>ARIB</p> <p>Mr Hiroshi Furukawa</p> <p>Signature <i>Akio Sasaki for Mr. Furukawa</i></p> <p>Date Jan. 18, 2000</p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock</p> <p>Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date 18 Jan. 2000</p>
<p>T1</p> <p>Dr Asok Chatterjee</p> <p>Signature <i>Asok Chatterjee</i></p> <p>Date 1/18/2000</p>	<p>TTA</p> <p>Dr Kyu-Jin Wee</p> <p>Signature <i>Kyu-Jin Wee</i></p> <p>Date 1/18/2000</p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki</p> <p>Signature <i>Nobuhiro Horisaki</i></p> <p>Date 18 Jan. 2000</p>	<p>UMTS Forum</p> <p>Dr Bernd Eylert</p> <p>Signature <i>B. Eylert</i></p> <p>Date 18 January 2000</p>
<p>GSA</p> <p>Mr Alan Hadden</p> <p>Signature <i>Alan Hadden</i></p> <p>Date 18/1/00</p>	<p>GSM Association</p> <p>Mr Michael Stocks</p> <p>Signature <i>Michael Stocks</i></p> <p>Date 3/2/2000</p>
<p>CWTS</p> <p>Ms Shumin Cao</p> <p>Signature <i>Shumin Cao</i></p> <p>Date 2000.1.18</p>	<p>UWCC</p> <p>Mr Leo Nikkari</p> <p>Signature <i>Leo Nikkari</i></p> <p>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.

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>ARIB</p> <p>Mr Hiroshi Furukawa Signature <i>Hiroshi Furukawa</i> Date <i>28 July 2000</i></p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i> Date <i>13 July 2000</i></p>
<p>T1</p> <p>Dr Asok Chatterjee Signature <i>Asok Chatterjee</i> Date <i>7/19/2000</i></p>	<p>TTA</p> <p>Mr Dong Sun Lee Signature <i>Dong Sun Lee</i> Date <i>01/26/2000</i></p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki Signature <i>Nobu Horisaki</i> Date <i>19 Jul 2000</i></p>	<p>UMTS Forum</p> <p>Dr Bernd Eylert Signature <i>B. Eylert</i> Date <i>15 Aug 2000</i></p>
<p>GSA</p> <p>Mr Alan Hadden Signature <i>Alan Hadden</i> Date <i>14 Aug 2000</i></p>	<p>GSM Association</p> <p>Mr James Healy Signature <i>James Healy</i> Date <i>14 Jul 00</i></p>
<p>CWTS</p> <p>Ms Shumin Cao Signature <i>Shumin Cao</i> Date <i>2000.7.11</i></p>	<p>UWCC</p> <p>Mr Leo Nikkari Signature <i>Leo Nikkari</i> Date <i>July 12, 2000</i></p>
<p>IPv6 Forum</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

Date

Authorised by the existing Partners

<p>ARIB</p> <p>Mr Hiroshi Furukawa Signature</p> <p>Date</p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock Signature</p> <p>Date</p>
<p>TTA</p> <p>Dr Asok Chatterjee Signature</p> <p>Date</p>	<p>TTA</p> <p>Dr Kyu-Jin Wee Signature</p> <p>Date</p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki Signature</p> <p>Date</p>	<p>UMTS Forum</p> <p>Dr Bernd Eylert Signature</p> <p>Date</p>
<p>CSA</p> <p>Mr Alan Hadden Signature</p> <p>Date</p>	<p>GSM Association</p> <p>Mr Michael Stecke Signature</p> <p>Date</p>
<p>UCCS</p> <p>Ms Shumin Cao Signature</p> <p>Date</p>	<p>UWCC</p> <p>Mr Leo Nikkari Signature</p> <p>Date</p>
<p>IPv6 Forum</p> <p>Mr Latif Ladid Signature</p> <p>Date</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

<p>ARIB</p> <p>Mr Hiroshi Furukawa</p> <p>Signature <i>For Hiroshi Furukawa</i></p> <p>Date <i>Nov. 15/2000</i></p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock</p> <p>Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date <i>15 Nov. 2000</i></p>
<p>TTC</p> <p>Dr Asok Chatterjee</p> <p>Signature <i>Asok Chatterjee</i></p> <p>Date <i>15/11/2000</i></p>	<p>TTA</p> <p>Dr Kyu-Jin Wee</p> <p>Signature <i>Kyu-Jin Wee</i></p> <p>Date <i>15 Nov 2000</i></p>
<p>TTC</p> <p>Mr Nobuhiko Horisaki</p> <p>Signature <i>Nobuhiko Horisaki</i></p> <p>Date <i>15 Nov 2000</i></p>	<p>UMTS Forum</p> <p>Dr Bernd Eylert</p> <p>Signature <i>B. Eylert</i></p> <p>Date <i>5th November 2000</i></p>
<p>GSA</p> <p>Mr Alan Handley</p> <p>Signature <i>Alan Handley</i></p> <p>Date <i>15 Nov 2000</i></p>	<p>GSM Association</p> <p>Mr Michael Stocks</p> <p>Signature <i>Michael Stocks</i></p> <p>Date <i>2/10/03</i></p>
<p>CWTS</p> <p>Ms Shumin Cao</p> <p>Signature <i>Shumin Cao</i></p> <p>Date <i>15 Nov. 2000</i></p>	<p>UWCC</p> <p>Mr Leo Nikkari</p> <p>Signature <i>Leo Nikkari</i></p> <p>Date <i>15 Nov 2000</i></p>
<p>IPv6 Forum</p> <p>Mr Latif Ladid</p> <p>Signature <i>Latif Ladid</i></p> <p>Date <i>15 Nov 00</i></p>	<p>MWIF</p> <p>Mr Dean Sirovica</p> <p>Signature <i>D. Sirovica</i></p> <p>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 114th Ave SE, Suite 100
Bellevue, WA 98004
USA

Signature



Date 26 April 2002

Authorised by the existing Partners

<p>ARIB</p> <p>Mr Masayoshi Wakao Signature <i>Masayoshi Wakao</i> Date <i>26/04/02</i></p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i> Date <i>26 April 2002</i></p>
<p>T1</p> <p>Dr Asok Chatterjee Signature <i>Asok Chatterjee</i> Date <i>4/26/2002</i></p>	<p>TTA</p> <p>Dr Ju Hwan Yim Signature <i>Park Jeong Sik</i> Date <i>26 April 2002</i></p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki Signature <i>Nob Horisaki</i> Date <i>26 Apr 2002</i></p>	<p>UMTS Forum</p> <p>Dr Bernd Eylert Signature <i>B. Eylert</i> Date <i>26/4/02</i></p>
<p>GSA</p> <p>Mr Alan Hadden Signature <i>Alan Hadden</i> Date <i>April 26, 2002</i></p>	<p>GSM Association</p> <p>Mr Scott Fox Signature <i>Scott Fox</i> Date <i>2/10/03</i></p>
<p>CWTS</p> <p>Ms Shumin Cao Signature <i>Shumin Cao</i> Date <i>26/4/02</i></p>	<p>IPv6 Forum</p> <p>Mr Latif Ladid Signature <i>P.O. Ladid</i> Date <i>Oct. 2, 2003</i></p>
<p>MWIF</p> <p>Mr Dean Sirovica Signature Date</p>	<p>3G.IP</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>ARIB</p> <p>Mr Masayoshi Wakao</p> <p>Signature <i>Masayoshi Wakao p.p</i></p> <p>Date <i>15 April 2004</i></p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock</p> <p>Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date <i>15 April 2004</i></p>
<p>T1</p> <p>Dr Asok Chatterjee</p> <p>Signature <i>Asok Chatterjee</i></p> <p>Date <i>4/15/2004</i></p>	<p>TTA</p> <p>Dr Ju Hwan Yim</p> <p>Signature <i>PP Hong Won Kim</i></p> <p>Date <i>15 APR 2004</i></p>
<p>TTC</p> <p>Mr Nobuhiro Horisaki</p> <p>Signature <i>Nob Horisaki</i></p> <p>Date <i>15/APR/2004</i></p>	<p>UMTS Forum</p> <p>Mr Jean-Pierre Bienaimé</p> <p>Signature <i>Jean-Pierre Bienaimé</i></p> <p>Date <i>15/04/2004</i></p>
<p>GSA</p> <p>Mr Alan Hadden</p> <p>Signature <i>Alan Hadden</i></p> <p>Date <i>15 April 2004</i></p>	<p>GSM Association</p> <p>Mr Bill Best</p> <p>Signature <i>Bill Best</i></p> <p>Date <i>15/04/04</i></p>
<p>IPv6 Forum</p> <p>Mr Latif Ladid</p> <p>Signature <i>Latif Ladid</i></p> <p>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




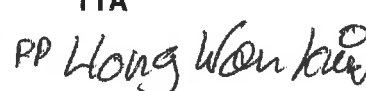
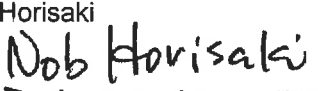



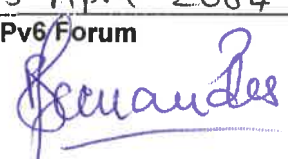
Title: President and CEO of the Alliance for Telecommunications Industry Solutions

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

Signature 

Date 15 April 2004

Authorised by the existing Partners

ARIB Mr Masayoshi Wakao Signature  Date 15 April 2004	CCSA Mr Zhou Baoxin Signature  Date 15/04/2004
ETSI Mr Karl Heinz Rosenbrock Signature  Date 15 April 2004	TTA Dr Ju Hwan Yim Signature  Date 15 APR 2004
TTC Mr Nobuhiro Horisaki Signature  Date 15 APR / 2004	UMTS Forum Mr Jean-Pierre Bienaimé Signature  Date 15/04/2004
GSA Mr Alan Hadden Signature  Date 15 April 2004	GSM Association Mr Bill Best Signature  Date 15/04/04
IPv6 Forum Mr Latif Ladid Signature  Date	

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

Executed in 12 originals

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

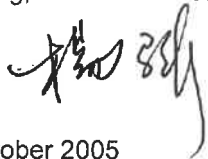
TD SCDMA Industry Alliance

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>ARIB</p> <p>Mr Masayoshi Wakao</p> <p>Signature <i>Kohji Satoh (for Mr. M. Wakao)</i></p> <p>Date 07/10/2005</p>	<p>ATIS</p> <p>Mrs Susan Miller</p> <p>Signature <i>Sally M. (for Susan Miller)</i></p> <p>Date 10/07/2005</p>
<p>CCSA</p> <p>Mr Zhou Baoxin</p> <p>Signature <i>Wangzhigui</i></p> <p>Date 07/10/2005</p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock</p> <p>Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date 07 Oct. 2005</p>
<p>TTA</p> <p>Dr Hong Koo Kim</p> <p>Signature <i>Jeong Sik Park</i></p> <p>Date 07/Oct. /2005</p>	<p>TTC</p> <p>Mr Nobuhiro Horisaki</p> <p>Signature <i>Nob Horisaki</i></p> <p>Date 7/Oct /2005</p>
<p>GSA</p> <p>Mr Alan Hadden</p> <p>Signature <i>AHadden</i></p> <p>Date 7th October 2005</p>	<p>GSM Association</p> <p>Mr David McDonald</p> <p>Signature <i>David McDonald</i></p> <p>Date 7/10/2005</p>
<p>IPv6 Forum</p> <p>Mr Latif Ladid</p> <p>Signature <i>Ladid</i></p> <p>Date</p>	<p>3G Americas</p> <p>Mr Chris Pearson</p> <p>Signature <i>Chris Pearson</i></p> <p>Date 10-7-05</p>
<p>UMTS Forum</p> <p>Mr Jean-Pierre Bienaimé</p> <p>Signature <i>J. Bienaimé</i></p> <p>Date 7/10/2005</p>	<p>TD SCDMA Forum</p> <p>Dr Jing Wang</p> <p>Signature <i>Jing Wang</i></p> <p>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>ARIB</p> <p>Mr Masayoshi Wakao Signature <i>Masayoshi Wakao</i></p> <p>Date <i>21.04.2006</i></p>	<p>ATIS</p> <p>Mrs Susan Miller Signature <i>Susan Miller</i></p> <p>Date <i>4/21/2006</i></p>
<p>CCSA</p> <p>Mr Zhou Baoxin Signature <i>Wang Baoxin</i></p> <p>Date <i>21.04.2006</i></p>	<p>ETSI</p> <p>Mr Karl Heinz Rosenbrock Signature <i>Karl Heinz Rosenbrock</i></p> <p>Date <i>21 April 2006</i></p>
<p>TTA</p> <p>Dr Hong Koo Kim Signature <i>J.S. Park</i></p> <p>Date <i>4/21/2006</i></p>	<p>TTC</p> <p>Mr Nobuhiro Horisaki Signature <i>Nob Horisaki</i></p> <p>Date <i>4/21/2006</i></p>
<p>GSA</p> <p>Mr Alan Hadden Signature <i>Alan Hadden</i></p> <p>Date <i>21/4/06</i></p>	<p>GSM Association</p> <p>Mr David McDonald Signature <i>David McDonald</i></p> <p>Date <i>21/4/06</i></p>
<p>IPv6 Forum</p> <p>Mr Latif Ladid Signature <i>Latif Ladid</i></p> <p>Date <i>21/4/06</i></p>	<p>3G Americas</p> <p>Mr Chris Pearson Signature <i>Chris Pearson</i></p> <p>Date <i>4/21/2006</i></p>
<p>UMTS Forum</p> <p>Mr Jean-Pierre Bienaimé Signature <i>Jean-Pierre Bienaimé</i></p> <p>Date <i>4.04.2006</i></p>	<p>TD SCDMA Forum</p> <p>Dr Jing Wang Signature <i>Jing Wang</i></p> <p>Date <i>2006 4月21日</i></p>
<p>TD-SCDMA Industry Alliance</p> <p>Mr Yang Hua Signature <i>Yang Hua</i></p> <p>Date <i>2006 4月21日</i></p>	

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

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

Date 12 October 2006

Authorised by the existing Partners

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

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.

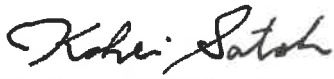


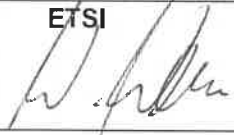

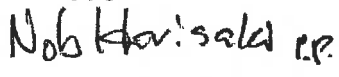


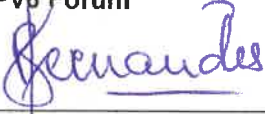
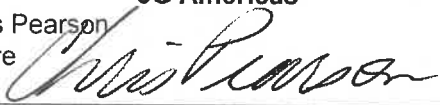
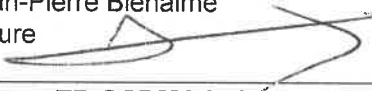

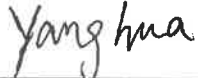
The set of 3GPP Technical Specifications and Technical Reports for the 3GPP core network and the specifications for the GSM core network should be common to the greatest extent possible and should not be unnecessarily different.

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

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

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 specifications¹. 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.

¹ *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

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

Executed in 16 originals

Annex 20 This Agreement is entered into by the following Market Representation Partner:

Infocommunication Union

Name: Mr. Andrey Skorodumov
Title: CEO

Address: 2-nd Spasonalivkovski per., 6,
Moscow 119991,
Russia

Signature

Date 18 December 2007

Authorised by the existing Partners

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

Executed in 17 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>ARIB</p> <p>Mr Masayoshi Wakao <i>Shohji Satoh</i></p> <p>Signature</p> <p>Date 23.04.2008</p>	<p>ATIS</p> <p>Mrs Susan Miller <i>S. Miller (Hos)</i></p> <p>Signature</p> <p>Date 4/23/2008</p>
<p>CCSA</p> <p>Mr Zhou Baoxin <i>Wang Zhaogin</i></p> <p>Signature</p> <p>Date 23/04/08</p>	<p>ETSI</p> <p>Dr Walter Weigel <i>W. Weigel</i></p> <p>Signature</p> <p>Date 23/4/08</p>
<p>TTA</p> <p>Mr Won-Sik Kim <i>Choi</i></p> <p>Signature</p> <p>Date 23/04/08</p>	<p>TTC</p> <p>Dr Yuji Inoue <i>Y. Inoue</i></p> <p>Signature</p> <p>Date 23/04/08</p>
<p>GSA</p> <p>Mr Alan Hadden <i>PP Jonas Sundbom</i></p> <p>Signature</p> <p>Date 23/4/08</p>	<p>GSM Association</p> <p>Mr Alex Sinclair <i>A. Sinclair</i></p> <p>Signature</p> <p>Date 23-4-08</p>
<p>IPv6 Forum</p> <p>Mr Latif Ladid</p> <p>Signature</p> <p>Date</p>	<p>3G Americas</p> <p>Mr Chris Pearson <i>Chris Pearson</i></p> <p>Signature</p> <p>Date 4-23-08</p>
<p>UMTS Forum</p> <p>Mr Jean-Pierre Bienaimé <i>J.P. Bienaimé</i></p> <p>Signature</p> <p>Date April 23, 08.</p>	<p>TD SCDMA Forum</p> <p>Dr Jing Wang <i>Jing Wang</i></p> <p>Signature</p> <p>Date 4-23-08</p>
<p>TD-SCDMA Industry Alliance</p> <p>Mr Yang Hua <i>Yang Hua</i></p> <p>Signature</p> <p>Date 23/04/08</p>	<p>MobileIGNITE MoU</p> <p>Mr Leo Nikkari</p> <p>Signature</p> <p>Date</p>
<p>Global UMTS TDD Alliance</p> <p>Mrs Liz Kerton</p> <p>Signature</p> <p>Date</p>	<p>IMS Forum</p> <p>Mrs Marian Stasney</p> <p>Signature</p> <p>Date</p>
<p>Infocommunication Union</p> <p>Mr Andrey Skorodumov <i>Andrey Skorodumov</i></p> <p>Signature</p> <p>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
Carloli Square
Newcastle Upon Tyne
Tyne And Wear NE1 1BB, United Kingdom

Signature

Date 23 April 2008

Authorised by the existing Partners

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

Executed in 19 originals

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

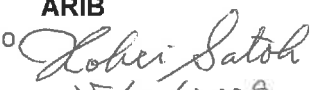
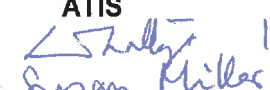
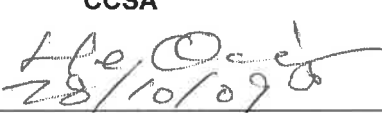

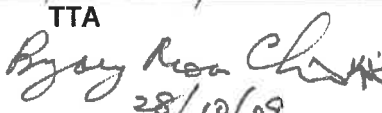
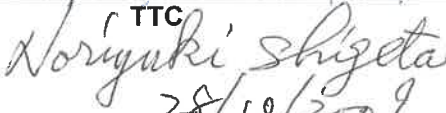
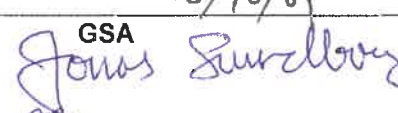
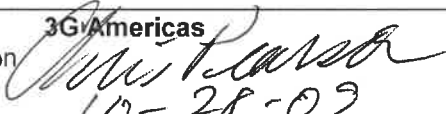
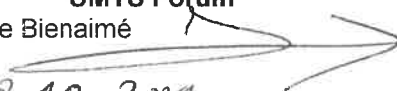
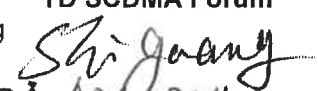
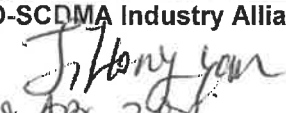

CDMA Development Group

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

ARIB Mr Masayoshi Wakao Signature  Date 28/10/2009	ATIS Mrs Susan Miller Signature  Date 10/28/2009
CCSA Mr Zhou Baoxin Signature  Date 28/10/09	ETSI Dr Walter Weigel Signature  Date 28/10/09
TTA Mr Won-Sik Kim Signature  Date 28/10/09	TTC Dr Yuji Inoue Signature  Date 28/10/2009
GSA Mr Alan Hadden Signature  Date 28.10.09	GSM Association Mr Alex Sinclair Signature Date
IPv6 Forum Mr Latif Ladid Signature Date	3G Americas Mr Chris Pearson Signature  Date 10-28-09
UMTS Forum Mr Jean-Pierre Bienaimé Signature  Date 28.10.2009	TD SCDMA Forum Dr Jing Wang Signature  Date 28 Oct 2009
TD-SCDMA Industry Alliance Mr Yang Hua Signature  Date 28 Oct 2009	MobileIGNITE MoU Mr Leo Nikkari Signature Date
Global UMTS TDD Alliance Mrs Liz Kerton Signature Date	IMS Forum Mrs Marian Stasney Signature Date
Infocommunication Union Mr Andrey Skorodumov Signature Date	FemtoForum Prof. Simon Saunders Signature  Date 10/28/09
Fixed-Mobile Convergence Alliance Mr Andrew Howarth Signature Date	

Executed in 20 originals

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


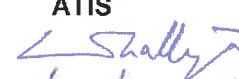
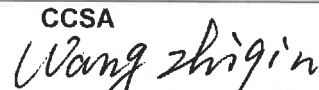
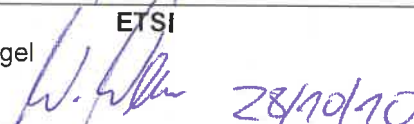

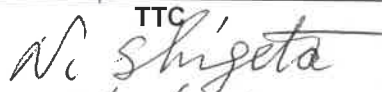
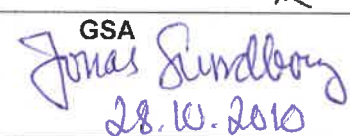


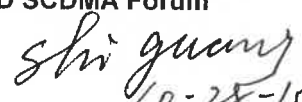
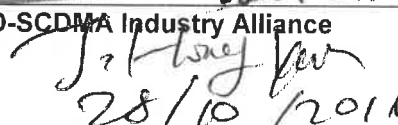

Cellular Operators Association of India (COAI)

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

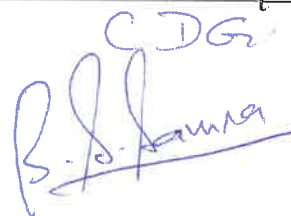
Signature 

Date 28 October 2010

Authorised by the existing Partners

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

Executed in 17 originals


 B.J. Saunders

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

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

Executed in 19 originals

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

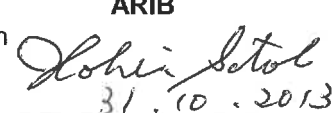
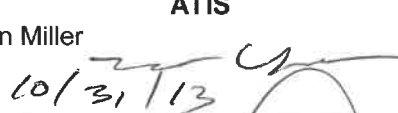
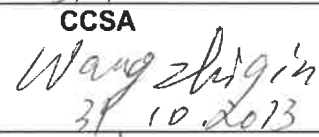




TETRA & Critical Communications Association (TCCA)

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

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

Executed in 20 originals


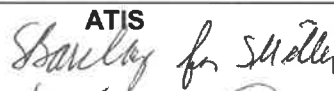

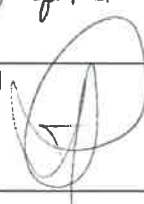
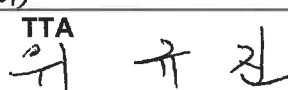
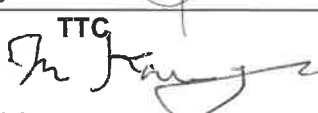
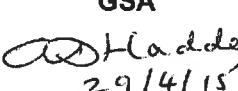



Annex 27 This Agreement is entered into by the following Organizational Partner:

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

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

Executed in 21 originals






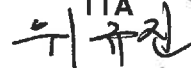
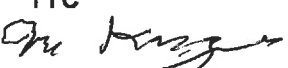
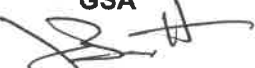
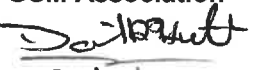

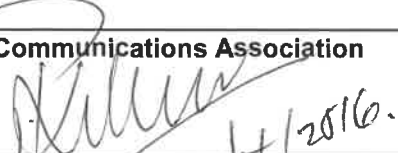
Annex 28 This Agreement is entered into by the following Market Representation Partner:

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

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

Executed in 20 originals

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

CTIA

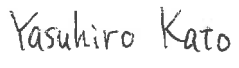


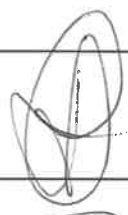







Name: Mr Thomas Sawanobori
 Title: Senior Vice President and Chief Technology Officer
 Address: 1400 16th Street, N.W. Suite 600,
 Washington, DC 20036, USA

Signature



Date 29 April 2016

Authorised by the existing Partners

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

Executed in 21 originals

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

Wireless Broadband Alliance (WBA)

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

Signature

Date 21 October 2016

Authorised by the existing Partners

ARIB Dr Kohei Satoh Signature	ATIS Ms Susan Miller Signature
CCSA Mr Yang Zemin Signature	ETSI Mr Luis Jorge Romero Saro Signature
TSDSI Prof Abhay Karandikar Signature	TTA Dr Keunku Lee Signature
TTC Mr Shuichi Inada Signature	GSA Mr Joe Barrett Signature
GSM Association Mr Alex Sinclair Signature	IPv6 Forum Mr Latif Ladid Signature
5G Americas Mr Chris Pearson Signature	UMTS Forum Mr Jean-Pierre Bienaimé Signature
TD Forum Mr Shi Guang Signature	TD-SCDMA Industry Alliance Mr Yang Hua Signature
Small Cell Forum Mrs Sue Monahan Signature	Mobility Development Group Mr Douglas Martel Signature
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	GCF Mr Lars S Nielsen Signature
CTIA 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

ARIB Dr Kohei Satoh Signature	ATIS Ms Susan Miller Signature
CCSA Mr Yang Zemin Signature	ETSI Mr Luis Jorge Romero Saro Signature
TSDSI Prof Abhay Karandikar Signature	TTA Dr Keunku Lee Signature
TTC Mr Shuichi Inada Signature	GSA Mr Joe Barrett Signature
GSM Association Mr Alex Sinclair Signature	IPv6 Forum Mr Latif Ladid Signature
5G Americas Mr Chris Pearson Signature	UMTS Forum Mr Jean-Pierre Bienaimé Signature
TD Forum Mr Shi Guang Signature	TD-SCDMA Industry Alliance Mr Yang Hua Signature
Small Cell Forum Mrs Sue Monahan Signature	Mobility Development Group Mr Douglas Martel Signature
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	GCF Mr Lars S Nielsen Signature
CTIA Mr Thomas Sawanobori Signature	WBA Mr Shrikant Shenwai Signature

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, Technopark 19, 9052 Zwijnaarde,
 Belgium,

Signature

Date 21 October 2016

Authorised by the existing Partners

ARIB Dr Kohei Satoh Signature <i>Kato</i>	ATIS Ms Susan Miller Signature <i>S. Miller</i>
CCSA Mr Yang Zemin Signature <i>王正敏</i>	ETSI Mr Luis Jorge Romero Saro Signature <i>L. Romero Saro</i>
TSDSI Prof Abhay Karandikar Signature <i>Abhay</i>	TTA Dr Keunku Lee Signature <i>Keunku Lee</i>
TTC Mr Shuichi Inada Signature <i>稲田修一</i>	GSA Mr Joe Barrett Signature <i>Joe Barrett</i>
GSM Association Mr Alex Sinclair Signature	IPv6 Forum Mr Latif Ladid Signature
5G Americas Mr Chris Pearson Signature	UMTS Forum Mr Jean-Pierre Bienaimé Signature <i>J. Bienaimé</i>
TD Forum Mr Shi Guang Signature	TD-SCDMA Industry Alliance Mr Yang Hua Signature
Small Cell Forum Mrs Sue Monahan Signature	Mobility Development Group Mr Douglas Martel Signature
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	GCF Mr Lars S Nielsen Signature
CTIA Mr Thomas Sawanobori Signature	WBA Mr Shrikant Shenwai Signature <i>Shrikant Shenwai</i>

Executed in 24 originals

PSCE

Dean

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

ARIB Mr Seiji Nishioka Signature 	ATIS Ms Susan Miller Signature 
CCSA Mr Yang Zemin Signature 	ETSI Mr Luis Jorge Romero Saro Signature 
TSDSI Prof Abhay Karandikar Signature 	TTA Dr Keunku Lee Signature 
TTC subs by M.S. Mr Shuichi Inada Signature 	GSA Mr Joe Barrett Signature 
GSM Association Mr Alex Sinclair Signature 	IPv6 Forum Mr Latif Ladid Signature 
5G Americas Mr Chris Pearson Signature 	TD Forum Mr Shi Guang Signature 
TD-SCDMA Industry Alliance Mr Yang Hua Signature 	Small Cell Forum Mrs Sue Monahan Signature 
Mobility Development Group Mr Douglas Martel Signature 	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 
GCF Mr Lars S Nielsen Signature 	CTIA Mr Thomas Sawanobori Signature 
WBA Mr Shrikant Shenwai Signature 	PSCE Mrs Marie-Christine Bonnamour Signature 
5G-IA Mr Jean-Pierre Bienaimé Signature 	

Executed in 24 originals



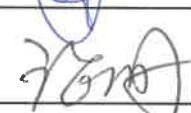

Annex 34 This Agreement is entered into by the following Market Representation Partner:

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	ARIB 	Ms Susan Miller Signature	ATIS 
Mr Yang Zemin Signature	CCSA 	Mr Luis Jorge Romero Saro Signature	ETSI 
Ms Pamela Kumar Signature	TSDSI 	Dr Keunku Lee Signature	TTA 
Mr Shuichi Inada Signature	TTC Subst. M. Santa 	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. Tony Gray Signature	The 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 	Mr Dino Flore Signature	5G-AA

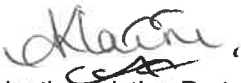
Executed in 25 originals

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

EMEA Satellite Operators Association (ESOA)

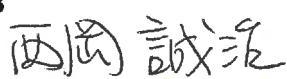
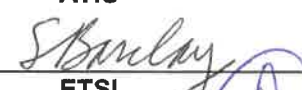
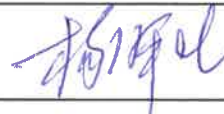


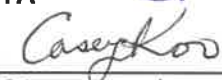
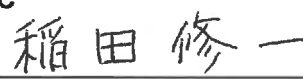
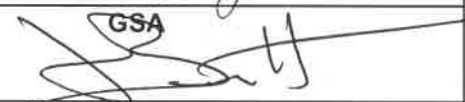
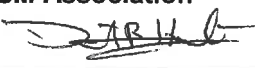

Name: Aarti Holla-Maini
Title: Secretary General
Address: Avenue Marnix 17, 1000 Brussels,
Belgium

Signature



Date 19 October 2018

Authorised by the existing Partners

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

Executed in 26 originals



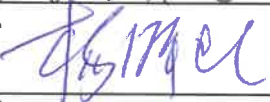

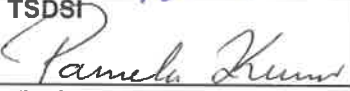

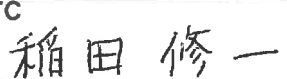


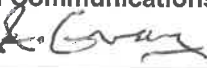

Annex 36 This Agreement is entered into by the following Market Representation Partner:

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	ARIB 	Ms Susan Miller Signature	ATIS 
Mr Yang Zemin Signature	CCSA 	Mr Luis Jorge Romero Saro Signature	ETSI 
Ms Pamela Kumar Signature	TSDSI 	Mr. Koo Kyoung Cheol Signature	TTA 
Mr Shuichi Inada Signature	TTC 	Mr Joe Barrett Signature	GSA 
Mr David Weston 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. Tony Gray Signature	The 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	Mr Dino Flore Signature	5G-AA
Mr TV Ramachandran Signature	Broadband India Forum	Mrs Aarti Holla-Maini Signature	EMEA Satellite Operators Association 

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

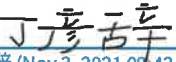







<p>Automotive Edge Computing Consortium (AECC)</p> <p>Geng Wu</p> <p><u>Geng Wu</u> <small>Geng Wu (Oct 5, 2021 08:57 PDT)</small></p> <p>Geng.wu@intel.com</p>	<p>ARIB</p> <p>Seiji Nishioka</p> <p><u>西岡 誠希</u> <small>s-nishioka@arib.or.jp</small></p>
<p>ATIS</p> <p>Susan Miller</p> <p><u>Susan Miller</u> <small>Susan Miller (Oct 5, 2021 09:34 EDT)</small></p> <p>smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p> <p><u>闻 坤</u> <small>Wen Ku (Oct 19, 2021 15:19 GMT+8)</small></p> <p>wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero</p> <p><u>Luis Jorge Romero</u> <small>Luis Jorge Romero (Oct 6, 2021 08:50 GMT+9)</small></p> <p>luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam</p> <p><u>ganapathysubramaniam</u> <small>ganapathysubramaniam (Oct 12, 2021 13:34 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol</p> <p><u>Kyoung Cheol Koo</u> <small>Kyoung Cheol Koo (Oct 6, 2021 08:50 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p>TTC</p> <p>Taku Kiyasu</p> <p><u>Taku KIYASU</u> <small>Taku KIYASU (Oct 6, 2021 09:32 GMT+9)</small></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>China Society of Automotive Engineers (CSAE)</p> <p>Ding Yanci</p>  <p>丁彦辞 (Nov 3, 2021 09:42 GMT+8) dyc@sae-china.org</p>	<p>ARIB</p> <p>Seiji Nishioka</p>  <p>s-nishioka@arib.or.jp</p>
<p>ATIS</p> <p>Susan Miller</p>  <p>Susan M. Miller (Oct 22, 2021 11:31 EDT) smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p>  <p>Wen, Ku (Nov 1, 2021 10:43 GMT+8) wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero</p>  <p>luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam</p>  <p>n ganapathy subramaniam (Oct 25, 2021 17:37 GMT+5.5) ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol</p>  <p>Kyoung Cheol Koo (Oct 25, 2021 08:57 GMT+9) kckoo@tta.or.kr</p>	<p>TTC</p> <p>Taku Kiyasu</p>  <p>Taku KIYASU (Oct 25, 2021 13:45 GMT+9) 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>Deterministic Networking Alliance (5GDNA)</p> <p>Jason Dai</p> <p><i>Jason Dai</i> <small>Jason Dai (Nov 9, 2021 10:10 GMT+8)</small> daijisheng@huawei.com</p>	<p>ARIB</p> <p>Selji Nishioka</p> <p><i>西岡 誠名</i> s-nishioka@arib.or.jp</p>
<p>ATIS</p> <p>Susan Miller</p> <p><i>Susan Miller</i> <small>Susan Miller (Nov 8, 2021 08:19 EST)</small> smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p> <p><i>闻库</i> <small>闻库, Wen, Ku (Nov 8, 2021 19:58 GMT+8)</small> wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero</p> <p><i>Luis Romero</i> luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam</p> <p><i>n.ganapathy subramaniam</i> <small>n.ganapathy Subramaniam (Nov 8, 2021 17:46 GMT+5.5)</small> ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol</p> <p><i>Kyoung Cheol Koo</i> <small>Kyoung Cheol Koo (Nov 8, 2021 20:29 GMT+9)</small> kckoo@tta.or.kr</p>	<p>TTC</p> <p>Nobuyuki Tajiri</p> <p><i>Nobuyuki Tajiri</i> <small>Nobuyuki Tajiri (Nov 9, 2021 21:33 GMT+9)</small> 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






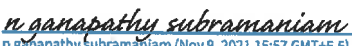


<p>5G Media Action Group (5G-MAG)</p> <p>Antonio Arcidiacono</p> <p><u>Antonio Arcidiacono</u> <small>Antonio Arcidiacono (Nov 9, 2021 12:20 GMT+1)</small></p> <p>arcidiacono@ebu.ch</p>	<p>ARIB</p> <p>Seiji Nishioka</p> <p><u>西岡 誠</u> <small>西岡, Wen, Ku (Nov 8, 2021 19:52 GMT+8)</small></p> <p>s-nishioka@arib.or.jp</p>
<p>ATIS</p> <p>Susan Miller</p> <p><u>Susan Miller</u> <small>Susan Miller (Nov 8, 2021 08:23 EST)</small></p> <p>smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p> <p><u>闻库</u> <small>闻库, Wen, Ku (Nov 8, 2021 19:52 GMT+8)</small></p> <p>wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero</p> <p><u>[Signature]</u></p> <p>luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam</p> <p><u>n ganapathy subramaniam</u> <small>n ganapathy subramaniam (Nov 8, 2021 19:10 GMT+5.5)</small></p> <p>ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol</p> <p><u>Kyoung Cheol Koo</u> <small>Kyoung Cheol Koo (Nov 8, 2021 20:31 GMT+9)</small></p> <p>kckoo@tta.or.kr</p>	<p>TTC</p> <p>Nobuyuki Tajiri</p> <p><u>Nobuyuki Tajiri</u> <small>Nobuyuki Tajiri (Nov 9, 2021 21:25 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>5G Slicing Association (5GSA)</p> <p>Luigi Licciardi  <small>Luigi Licciardi (Nov 9, 2021 10:38 GMT+1)</small> Luigi.licciardi@huawei.com</p>	<p>ARIB</p> <p>Seiji Nishioka  s-nishioka@arib.or.jp</p>
<p>ATIS</p> <p>Susan Miller  <small>Susan Miller (Nov 9, 2021 07:40 EST)</small> smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku  <small>阿库 Wen, Ku (Nov 19, 2021 20:03 GMT+8)</small> wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero  luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam  <small>n ganapathy subramaniam (Nov 9, 2021 15:57 GMT+5.5)</small> ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol  <small>Kyoung Cheol Koo (Nov 9, 2021 19:03 GMT+9)</small> kckoo@tta.or.kr</p>	<p>TTC</p> <p>Nobuyuki Tajiri  <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>MulteFire Alliance (MFA)</p> <p>Mazen Chmaytelli</p> <p><i>Mazen Chmaytelli</i></p> <p>mchmayte@qti.qualcomm.com</p>	<p>ARIB</p> <p>Seiji Nishioka</p> <p>西園 誠 石</p> <p>s-nishioka@arib.or.jp</p>
<p>ATIS</p> <p>Susan Miller</p> <p><i>Susan Miller</i></p> <p>Susan Miller (Nov 9, 2021 07:41 EST)</p> <p>smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p> <p>闻库</p> <p>闻库, Wen, Ku (Nov 19, 2021 20:01 GMT+8)</p> <p>wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero</p> <p></p> <p>luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam</p> <p><i>n.ganapathy subramaniam</i></p> <p>n.ganapathy subramaniam (Nov 9, 2021 15:58 GMT+5.5)</p> <p>ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol</p> <p><i>Kyoung Cheol Koo</i></p> <p>Kyoung Cheol Koo (Nov 9, 2021 19:03 GMT+9)</p> <p>kckoo@tta.or.kr</p>	<p>TTC</p> <p>Nobuyuki Tajiri</p> <p><i>Nobuyuki Tajiri</i></p> <p>Nobuyuki Tajiri (Nov 10, 2021 09:12 GMT+9)</p> <p>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
 Title: Chief Acceleration Officer
 Address: 7525 Colshire Drive
 McLean, VA 22102
 USA

Accepted as MRP by the existing Partners on 10 December 2021

<p>MITRE Engenuity (Open Generation Consortium)</p> <p>Laurie Giandomenico</p> <p><u>Laurie Giandomenico</u> <small>Laurie Giandomenico (Jan 6, 2022 12:49 EST)</small> lg@mitre-engenuity.org</p>	<p>ARIB</p> <p>Seiji Nishioka</p> <p><u>西園寺 誠</u> <small>s-nishioka@arib.or.jp</small></p>
<p>ATIS</p> <p>Susan Miller</p> <p><u>Susan Miller</u> <small>Susan Miller (Jan 6, 2022 12:24 EST)</small> smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p> <p><u>文 庫</u> <small>Wen, Ku (Jan 25, 2022 19:26 GMT+8)</small> wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Luis Jorge Romero</p> <p><u>Luis Jorge Romero</u> <small>Luis Jorge Romero (Jan 7, 2022 15:01 GMT+9)</small> luis.romero@etsi.org</p>	<p>TSDSI</p> <p>N.G. Subramaniam</p> <p><u>n.g.subramaniam</u> <small>n.g.subramaniam (Jan 7, 2022 15:37 GMT+5.5)</small> ng.subramaniam@tsdsi.in</p>
<p>TTA</p> <p>Koo Kyoung Cheol</p> <p><u>Kyoung Cheol Koo</u> <small>Kyoung Cheol Koo (Jan 7, 2022 15:01 GMT+9)</small> kckoo@tta.or.kr</p>	<p>TTC</p> <p>Nobuyuki Tajiri</p> <p><u>Nobuyuki Tajiri</u> <small>Nobuyuki Tajiri (Jan 12, 2022 13:41 GMT+9)</small> 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
 Address: Suite B-306, 3rd Floor,
 Somdatt Chambers-I
 5, Bhikaji Cama Place,
 New Delhi
 India

Accepted as MRP by the existing Partners on 27 April 2022









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

Annex 45 This Agreement is entered into by the following Market Representation Partner:

Seamless Air Alliance (SAA)

Name: Jack Mandala
 Title: CEO
 Address: 95 W Main Street
 Suite 5-235
 Chester, NJ 07930
 USA

Accepted as MRP by the existing Partners on 24 April 2024

Seamless Air Alliance (SAA) Jack Mandala  jmandala@seamlessalliance.com	ARIB Seiji Nishioka  s-nishioka@arib.or.jp
ATIS Susan Miller  smiller@atis.org	CCSA Wen Ku  WEN, Ku (May 16, 2024 11:32 GMT+8) wenku@ccsa.org.cn
ETSI Luis Jorge Romero  luis.romero@etsi.org	TSDSI N.G. Subramaniam  ngsubramaniam (May 14, 2024 23:36 GMT+5.5) ng.subramaniam@tsdsi.in
TTA Daejung Kim  DAE JUNG KIM (May 16, 2024 10:21 GMT+9) djkim@TTA.OR.KR	TTC Nobuyuki Tajiri  Nobuyuki Tajiri (May 17, 2024 16:41 GMT+9) tajiri@s.ttc.or.jp

Annex 46 This Agreement is entered into by the following Market Representation Partner:

one6G Association (one6G)

Name: Mohammad Shikh-Bahaei
 Title: one6G President
 Address: 111 Überlandstrasse
 8600 Dübendorf
 Switzerland

Accepted as MRP by the existing Partners on 14 November 2024

<p>one6G Association (one6G)</p> <p>Mohammad Shikh-Bahaei</p> <p><u>M. R. Shikh-Bahaei</u> <small>M. R. Shikh-Bahaei (Dec 13, 2024 12:42 GMT)</small></p> <p>m.sbahaei@kcl.ac.uk</p>	<p>ARIB</p> <p>Seiji Nishioka</p> <p>西岡 誠右 s-nishioka@arib.or.jp</p>
<p>ATIS</p> <p>Susan Miller</p> <p><i>Susan Miller, President of CC0</i></p> <p>smiller@atis.org</p>	<p>CCSA</p> <p>Wen Ku</p> <p><u>聞 庫</u> <small>WEN, Ku (Dec 23, 2024 12:19 GMT+8)</small></p> <p>wenku@ccsa.org.cn</p>
<p>ETSI</p> <p>Jan Ellsberger</p> <p><u>Jan Ellsberger</u> <small>Jan Ellsberger (Dec 13, 2024 09:43 GMT+9)</small></p> <p>jan.ellsberger@etsi.org</p>	<p>TSDSI</p> <p>Satish Jamadagni</p> <p><u>satishjns</u> <small>satishjns (Jan 16, 2025 14:17 GMT+5.5)</small></p> <p>chairman@tsdsi.in</p>
<p>TTA</p> <p>Daejung Kim</p> <p><u>김대중</u> <small>김대중 (Dec 13, 2024 09:43 GMT+9)</small></p> <p>djkim@tta.or.kr</p>	<p>TTC</p> <p>Nobuyuki Tajiri</p> <p><u>Nobuyuki Tajiri</u> <small>Nobuyuki Tajiri (Dec 13, 2024 09:55 GMT+9)</small></p> <p>tajiri@s.ttc.or.jp</p>

Annex 47 This Agreement is entered into by the following Market Representation Partner:

International Organization for Marine Aids to Navigation (IALA)

Name: Francis Zacharie
Title: Secretary-General
Address: 10 rue des Gaudines
78100 Saint Germain en Laye
France

Accepted as MRP by the existing Partners on 14 November 2025

IALA Francis Zacharie <u>Francis Zachariae</u> <small>Francis Zachariae (Nov 20, 2025 09:54:47 GMT+1)</small>	ARIB Seiji Nishioka <u>西岡 誠治</u>
ATIS Susan Miller <u>Susan M. Miller</u>	CCSA Wen Ku <u>文庫</u> <small>wen ku (Dec 11, 2025 11:42:42 GMT+8)</small>
ETSI Jan Ellsberger <u>JE</u>	TSDSI Satish Jamadagni <u>Satish Jamadagni</u> <small>Satish Jamadagni (Dec 22, 2025 11:23:46 GMT+5.5)</small>
TTA Daejung Kim <u>DAEJUNG KIM</u> <small>DAEJUNG KIM (Dec 1, 2025 10:07:44 GMT+9)</small>	TTC Nobuyuki Tajiri <u>Nobuyuki Tajiri</u> <small>Nobuyuki Tajiri (Nov 20, 2025 13:59:14 GMT+9)</small>