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SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

**ITU-T Y.2000-series – Supplement on a survey
of global ICT forums and consortia**

ITU-T Y-series Recommendations – Supplement 8



ITU-T Y-SERIES RECOMMENDATIONS
**GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-
GENERATION NETWORKS**

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Supplement 8 to ITU-T Y-series Recommendations

ITU-T Y.2000-series – Supplement on a survey of global ICT forums and consortia

Summary

Supplement 8 to ITU-T Y-series Recommendations provides the basic information about global information and communication technologies (ICTs) forums/consortia. This supplement describes basic investigation data and the results of statistical analysis about ICT-related forums/consortia in the world. In addition, this supplement also particularly describes the current status of the home-network related standardization organizations in details, including their overview, scope, objectives, and standardization activities. In this supplement, the total number of the forums/consortia surveyed is 227. Besides, it also includes two appendices, one is the detailed information tables of the forums/consortia, and the other is the research on the home-network related standardization, as well as the new trend of the technologies in this area.

History

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FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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Introduction

As ICT technologies develop and global markets expand, the number of ICT-related forums/consortia is incrementing as well. Those forums/consortia focus on different objectives, technical fields, etc. As we know, some of the leading technologies were initiated by some regional forums/consortia. Therefore, the information of the global ICT forums/consortia is important for the SDOs on harmonizing the standardization or making their future research plans.

With this purpose, CCSA (China Communication Standards Association), ARIB (Association of Radio Industries and Business of Japan), TTC (Telecommunication Technology Committee of Japan) and TTA (Telecommunication Technology Association of Korea) began to cooperate to make a survey of global ICT forums/consortia, which can be shared among the SDOs, manufacturers, and operators, etc. Among the CJK (China, Japan, and Korea) members, it was agreed that the survey should be updated annually at the CJK Standards Meetings. Those annual reports were proved useful after those years. This supplement is based on the Global ICT forums/consortia Survey of CJK (2008).

Supplement 8 to ITU-T Y-series Recommendations

ITU-T Y.2000-series – Supplement on a survey of global ICT forums and consortia

1 Scope

The objective of this supplement is to provide the basic information about global information and communication technologies (ICTs) forums/consortia survey. This supplement describes the basic investigation data and the results of statistical analysis about ICT-related forums/consortia in the world. This supplement also particularly describes the overview, scope, objectives, and standardization activities of home-network related standardization developing organizations in details. This supplement provides some useful information to the ITU-T members, especially the developing countries to help them develop their domestic ICT industries.

2 References

None.

3 Terms and definitions

3.1 Terms defined elsewhere

None.

3.2 Terms defined in this supplement

This supplement defines the following terms:

3.2.1 de facto standard: Technical specifications or conventions that have achieved a dominant position by public acceptance or market forces.

3.2.2 pre-standardization: Results of research activities before producing standards, which are likely to be contributed to the standard development organization.

4 Abbreviations and acronyms

This supplement uses the following abbreviations and acronyms:

| | |
|----------|---|
| BcN | Broad Convergence Network |
| EC | Electronic Commerce |
| ICT | Information and Communication Technologies |
| PKI | Public Key Infrastructure |
| RFID | Radio Frequency Identification |
| TD-SCDMA | Time Division-Synchronous Code Division Multiple Access |
| USN | Ubiquitous Sensor Network |
| UWB | Ultra Wideband |
| WPAN | Wireless Personal Area Network |

5 Conventions

None.

6 Analysis on forums/consortia

The surveys and analysis in this clause are based on the classification of technical fields which are illustrated in Table 1.

Table 1 – Classification of the technical fields

| Technical fields | Sub-fields |
|--|------------------------------------|
| Convergence Infrastructure | Broad Convergence Network (BcN) |
| | Digital Broadcasting |
| | Mobile Communication |
| Information Technology | Software |
| | Digital Content |
| | Security |
| Convergence Service | RFID/USN |
| | u-Computing (Ubiquitous computing) |
| | Intelligent Robotics |
| | Electronic Commerce (EC) |
| NOTE – Broad convergence network (BcN) employs a multiplicity of technologies to deliver high data rates and provide mobility, including fixed wire technologies such as DSL, cable, FTTH, and wireless technologies like cdma2000 1xEVDO, W-CDMA/HSDPA, and WiMAX. However, in this supplement, BcN does not include mobile communications. | |

6.1 List of forums/consortia surveyed in 2008

There are 227 ICT forums/consortia in the world in 2008, whose names, objectives and technical fields are described in the tables below, including 38 forums/consortia in Korea (see Table 2), 15 forums/consortia in China (see Table 3), 24 forums/consortia in Japan (see Table 4) and 150 forums/consortia in other areas all over the world (see Table 5).

Table 2 – Forums/consortia list in Korea

| No. | Name of forums/consortia | Objectives | Technical fields |
|-----|---|---|---|
| 1 | NGMC Forum | Others | Convergence Infrastructure relating to Mobile Communication |
| 2 | Korea Wireless Internet standardization Forum | Development of "de facto" standards | |
| 3 | Spectrum Engineering Forum | Others | |
| 4 | Korea UWB Standardization Forum | Development of "de facto" standards | |
| 5 | WPAN Standardization Forum | Development of "de facto" standards | |
| 6 | USN Forum | Development of "de facto" standards | Convergence services relating mainly to RFID/USN |
| 7 | Mobile RFID Forum | Development of "de facto" standards | |
| 8 | u-city Standardization Forum | Development of specifications in order to implement and ensure the interoperability | |

Table 2 – Forums/consortia list in Korea

| No. | Name of forums/consortia | Objectives | Technical fields |
|-----|---|---|--|
| 9 | Next Generation Broadcasting Forum | Development of pre-standards | Convergence Infrastructure relating mainly to Digital Broadcasting |
| 10 | MPEG Forum | Development of pre-standards | |
| 11 | Korea Digital Cable Forum | Development of specifications in order to implement and ensure the interoperability | |
| 12 | IPTV Forum Korea | Development of pre-standards | |
| 13 | BcN Forum | Development of pre-standards | Convergence Infrastructure relating mainly to Broad Convergence Network |
| 14 | IPv6 Forum Korea | Development of pre-standards | |
| 15 | Voice over IP Forum | Development of specifications in order to implement and ensure the interoperability | |
| 16 | URI Standardization Forum | Development of "de facto" standards | |
| 17 | Future of Numbering Forum | Development of "de facto" standards | |
| 18 | Korea Ethernet Forum | Development of pre-standards | |
| 19 | Intelligent Robotics Forum | Development of "de facto" standards | Convergence services relating mainly to Intelligent Robotics |
| 20 | Next Generation PC Forum | Development of "de facto" standards | Convergence services relating mainly to u-Computing Including Home networking, Intelligent Transport System and PC, etc. |
| 21 | Home Network Forum | Development of "de facto" standards | |
| 22 | Grid Forum Korea | Development of "de facto" standards | |
| 23 | LBS Standardization Forum | Development of "de facto" standards | |
| 24 | Telematics/CVB Forum | Development of "de facto" standards | |
| 25 | IT Infra service Forum | Development of "de facto" standards | |
| 26 | System on chip Forum | Development of "de facto" standards | |
| 27 | DRM Forum | Development of pre-standards | |
| 28 | Digital Contents Forum | Development of "de facto" standards | Information Technology relating mainly to Digital Contents |
| 29 | Mobile 3D Standardization Forum | Development of "de facto" standards | |
| 30 | Metadata crosswork Forum | Development of "de facto" standards | |
| 31 | SW technology Standardization Forum | Development of "de facto" standards | Information Technology relating mainly to software |
| 32 | Web Korea Forum | Development of "de facto" standards | |
| 33 | Information & Telecommunication Accessibility Promotion Forum | Others | |

Table 2 – Forums/consortia list in Korea

| No. | Name of forums/consortia | Objectives | Technical fields |
|-----|---|---|---|
| 34 | Mobile Web 2.0 Forum | Development of specifications in order to implement and ensure the interoperability | |
| 35 | Modeling Forum Korea | Development of "de facto" standards | |
| 36 | u-payment FORUM | Development of specifications in order to implement and ensure the interoperability | Convergence services relating mainly to Electronic Commerce |
| 37 | Integrated Forum on Electronic Commerce | Development of "de facto" standards | |
| 38 | Korea Biometrics Forum | Development of pre-standards | Information Technology relating mainly to Security |

Table 3 – Forums/consortia list in China

| No. | Acronym | Name | Objectives | Technical fields |
|-----|----------|---|---|---|
| 1 | TDIA | TD-SCDMA industry Alliance | Development of pre-standards | Convergence Infrastructure relating to Mobile Communication |
| 2 | IGRS | Intelligent Grouping and Resource Sharing Standards Working Group | Development of "de facto" standards | Convergence services relating mainly to u-Computing Including Home networking, Intelligent Transport System, and PC, etc. |
| 3 | ITopHome | Home Network Standards Industry Alliance | Development of "de facto" standards | Convergence services relating mainly to u-Computing Including Home networking, Intelligent Transport System, and PC, etc. |
| 4 | SCDMA | SCDMA Industry Alliance | Others | Convergence Infrastructure relating to Mobile Communication |
| 5 | MMTA | Mobile Multimedia Technology Alliance | Development of pre-standards | Convergence Infrastructure relating to Mobile Communication |
| 6 | CFA | ChangFeng Open Standards Platform Software Alliance | Development of "de facto" standards | Information Technology relating mainly to software |
| 7 | AVSA | Audio and Video Coding Standard Industry Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure relating mainly to Digital Broadcasting |
| 8 | TAF | Telecommunication Terminal Testing & Approval Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure relating mainly to Broad Convergence Network |

Table 3 – Forums/consortia list in China

| No. | Acronym | Name | Objectives | Technical fields |
|-----|---|--|---|---|
| 9 | WAPI Industry Alliance | WLAN Authentication and Privacy Infrastructure Industry Alliance | Development of pre-standards | Convergence Infrastructure relating mainly to Broad Convergence Network |
| 10 | FTTX | FTTx Industry Alliance | Development of pre-standards | Convergence Infrastructure |
| 11 | China Bluetooth Technical Industry Alliance | China Bluetooth Technical Industry Alliance | Others | Convergence Infrastructure relating mainly to Broad Convergence Network |
| 12 | China RFID Industry Alliance | China RFID Industry Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence services relating mainly to RFID/USN |
| 13 | SBR | SCDMA broadband Forum | Development of pre-standards | Convergence Infrastructure |
| 14 | CFNWTA | China fixed network and wireless terminal alliance | Development of "de facto" standards | Convergence Infrastructure |
| 15 | IMIA | Interact Media Industry Alliance | Development of pre-standards | Convergence Services |

Table 4 – Forums/consortia list in Japan

| No. | Name of forums/consortia | Objectives | Technical fields |
|-----|---|-------------------------------------|----------------------------|
| 1 | The Business Grid Promotion Consortium | Implementation & Interoperability | Convergence services |
| 2 | Consortium for Millimeter Wave Practical Applications | Pre-standardization Activities | Convergence Infrastructure |
| 3 | The Distributed Object Promotion Group | Implementation & Interoperability | Convergence services |
| 4 | Energy Conservation and Homecare Network (ECHONET) Consortium | De facto standardization Activities | Convergence services |
| 5 | Next generation Electronic Commerce Promotion Council of Japan | Others | Convergence services |
| 6 | ICT Forum for Security and Safety | Others | Security |
| 7 | Internet ITS Consortium | De facto standardization Activities | u-Computing |
| 8 | ITS Info-communications Forum | Others | u-Computing |
| 9 | Japan Automatic Identification System Association/BSC Committee | Others | Information Technology |

Table 4 – Forums/consortia list in Japan

| No. | Name of forums/consortia | Objectives | Technical fields |
|------------|--|-------------------------------------|----------------------------|
| 10 | Japan Electronic Payment Promotion Organization | Others | Information Technology |
| 11 | Japan Ic Card System Application council | Others | Information Technology |
| 12 | Marlin-DRM Users Forum Japan | Others | Convergence services |
| 13 | Mobile Broadband Association | Implementation & Interoperability | Convergence Infrastructure |
| 14 | Mobile Computing Promotion Consortium | Implementation & Interoperability | Convergence Infrastructure |
| 15 | Mobile IT Forum | Others | Convergence Infrastructure |
| 16 | Personal Handyphone System Memorandum of Understanding Group | Others | Convergence services |
| 17 | POF Consortium | Pre-standardization Activities | Convergence Infrastructure |
| 18 | P2P (Peer-to-Peer) Universal Computing Consortium | Others | Convergence Infrastructure |
| 19 | Forum on Service Platform for Information Appliances | De facto standardization Activities | Convergence services |
| 29 | T-Engine Forum | Implementation & Interoperability | Convergence services |
| 21 | Ubiquitous Networking Forum | Implementation & Interoperability | Convergence services |
| 22 | Ubiquitous Open Platform Forum | Implementation & Interoperability | Convergence services |
| 23 | TransferJ (TransferJet Consortium) | De facto standardization Activities | Convergence Infrastructure |
| 24 | Visible Light Communication Consortium | Pre-standardization Activities | Convergence Infrastructure |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|--|---|----------------------------|
| 1 | 1394TA | The 1394 High Performance Serial Bus Trade Association | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 2 | 3GPP | 3rd Generation Partnership Project | Development of pre-standards | Convergence Service |
| 3 | 3GPP2 | 3rd Generation Partnership Project 2 | Development of pre-standards | Convergence Infrastructure |
| 4 | ACM | Association for Computing Machinery | Development of pre-standards | Information Technology |
| 5 | AICF | ASIA IC card Forum | Others | Convergence Service |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|---|---|----------------------------|
| 6 | AIM | Association for Automatic Identification and Mobility | Development of pre-standards | Convergence Service |
| 7 | ATSC | Advanced Television Systems Committee | Development of "de facto" standards | Convergence Infrastructure |
| 8 | AUTOSAR | Automotive Open System Architecture | Others | Convergence Infrastructure |
| 9 | Bio API | Bio API Consortium | Development of pre-standards | Information Technology |
| 10 | Bluetooth SIG | Bluetooth Special Interest Group | Development of "de facto" standards | Convergence Infrastructure |
| 11 | BSF | Broadband Services Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 12 | Broadband Forum | Broadband Forum | Development of "de facto" standards | Convergence Service |
| 13 | CableLabs | CableLabs | Development of "de facto" standards | Convergence Infrastructure |
| 14 | CCF | CDMA Certification Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 15 | CDG | CDMA Development Group | Others | Convergence Infrastructure |
| 16 | CELF | Consumer Electronics Linux Forum | Development of specifications in order to implement and ensure the interoperability | Information Technology |
| 17 | CMLA | Content Management License Administrator | Development of "de facto" standards | Convergence Service |
| 18 | CPES | Center For Power Electronics System | Others | Information Technology |
| 19 | DCMI | Dublin Core Metadata Initiative | Development of pre-standards | Information Technology |
| 20 | DCP | Digital Content Protection | Development of "de facto" standards | Information Technology |
| 21 | DPF | Digital Power Forum | Development of "de facto" standards | Information Technology |
| 22 | DLNA | Digital Living Network Alliance | Development of "de facto" standards | Convergence Service |
| 23 | DMP | Digital Media Project | Development of specifications in order to implement and ensure the interoperability | Information Technology |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|--|---|----------------------------|
| 24 | DMTF | Distributed Management Task Force | Development of "de facto" standards | Convergence Service |
| 25 | DRM | Digital Radio Mondiale | Development of pre-standards | Convergence Infrastructure |
| 26 | DVB | Digital Video Broadcasting Project | Development of pre-standards | Convergence Infrastructure |
| 27 | DVD | DVD Forum | Development of pre-standards | Information Technology |
| 28 | ECMA | European Computer Manufacturer's Association | Development of pre-standards | Convergence Service |
| 29 | EDIFICE | EDI Forum for Companies with Interest in Computing and Electronics | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 30 | EMF | European Multimedia Forum | Others | Convergence Infrastructure |
| 31 | ENUM | tElephone Number Mapping | Others | Convergence Infrastructure |
| 32 | EPCglobal | EPC (Electronic Product Code) Global Inc | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 33 | ERTICO | The organization for intelligent transport system in Europe | Others | Convergence Service |
| 34 | E-TASC | Electronics – Tool for Accountable Supply Chains | Others | Information Technology |
| 35 | Ethernet Alliance | Ethernet Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 36 | FCIA | Fibre Channel Industry Association | Development of pre-standards | Convergence Infrastructure |
| 37 | Femto | Femto Forum | Development of pre-standards | Convergence Infrastructure |
| 38 | FMCA | Fixed-Mobile Convergence Alliance | Development of pre-standards | Convergence Infrastructure |
| 39 | FLO | FLO Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 40 | FSAN | Full Service Access Networks | Development of pre-standards | Convergence Infrastructure |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|---|---|----------------------------|
| 41 | Future Forum | Future Forum | Others | Convergence Infrastructure |
| 42 | GeSI | Global e-Substantiality Initiative | Others | Information Technology |
| 43 | GCF | Global Certification Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 44 | GS1 | Global Standard 1 | Others | Convergence Service |
| 45 | GSM Association | Global System for Mobile Communication Association | Others | Convergence Infrastructure |
| 46 | HANA | High-Definition Audio-Video Network Alliance | Development of "de facto" standards | Convergence Service |
| 47 | HAVi | Home Audio Video Interoperability | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 48 | HDMI | High-Definition Multimedia Interface | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 49 | HGI | Home Gateway Initiative | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 50 | HomePNA | Home Phoneline Networking Alliance | Development of "de facto" standards | Convergence Infrastructure |
| 51 | HomeGrid | HomeGrid | Development of "de facto" standards | Convergence Service |
| 52 | IBIS | I/O Buffer Information Specification | Development of "de facto" standards | Information Technology |
| 53 | IDF | International DOI Foundation | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 54 | IDPF | International Digital Publishing Forum | Development of "de facto" standards | Convergence Service |
| 55 | IEEE RAS | IEEE (Robotics and Automation Society) | Development of "de facto" standards | Convergence Service |
| 56 | IEEE 802 | Institute of Electrical and Electronics Engineers (LAN/MAN Standards Committee) | Development of "de facto" standards | Convergence Infrastructure |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|---|---|----------------------------|
| 57 | IETF | Internet Engineering Task Force | Development of "de facto" standards | Convergence Infrastructure |
| 58 | IFR | The International Federation of Robotics | Others | Convergence Service |
| 59 | IMS Forum | IMS Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 60 | IMS Global | Instructional Management Systems Global Learning Consortium | Development of pre-standards | Information Technology |
| 61 | IMTC | The International Multimedia Telecommunications Consortium | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 62 | IP/MPLS Forum | IP/MPLS Forum | Development of pre-standards | Convergence Infrastructure |
| 63 | IPv6 | Internet Protocol version 6 Forum | Others | Convergence Infrastructure |
| 64 | IrDA | The Infrared Data Association | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 65 | ISMA | Internet Streaming Multimedia Alliance | Development of pre-standards | Convergence Infrastructure |
| 66 | ISTA | International Safe Transit Association International | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 67 | ISOC | Internet Society | Others | Convergence Infrastructure |
| 68 | IWPC | The International wireless industry consortium | Others | Convergence Infrastructure |
| 69 | JEDEC | The standard resource for the world semiconductor industry | Development of pre-standards | Information Technology |
| 70 | Khronos | Khronos Group | Development of "de facto" standards | Information Technology |
| 71 | LAP | Liberty Alliance Project | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 72 | LINUX Foundation | LINUX Foundation | Development of specifications in order to implement and ensure the interoperability | Information Technology |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|--|---|----------------------------|
| 73 | LIPS Forum | Linux Phone Standards Forum | Development of "de facto" standards | Information Technology |
| 74 | Limo Foundation | Limo Foundation | Development of "de facto" standards | Information Technology |
| 75 | LISA | Localization Industry Standardization Association | Others | Information Technology |
| 76 | LONMARK | LONMARK International | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 77 | MEF | Metro Ethernet Forum | Development of pre-standards | Convergence Infrastructure |
| 78 | MeT | Mobile Electronic Transactions | Development of pre-standards | Convergence Service |
| 79 | MFA | MPLS and Frame Relay Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 80 | MIPI | Mobile Industry Processor Interface | Development of pre-standards | Convergence Infrastructure |
| 81 | mITF | Mobile IT Forum | Others | Convergence Infrastructure |
| 82 | Mobile VCE | Virtual Centre of Excellence in Mobile & Personal Communications | Development of pre-standards | Convergence Infrastructure |
| 83 | MoCA | Multimedia over Coax Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 84 | MOST | Media Oriented Systems Transport Cooperation | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 85 | MPEGIF | MPEG Industry Forum | Others | Information Technology |
| 86 | MPF | Mobile Payment Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 87 | MST EMC consortium | The Missouri S&T EMC Consortium | Development of pre-standards | Information Technology |
| 88 | MSF | Multiservice Switching Forum | Development of pre-standards | Convergence Infrastructure |
| 89 | MA | The Multicore Association | Development of pre-standards | Convergence Infrastructure |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|--|---|----------------------------|
| 90 | NFC Forum | The Near Field Communication Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 91 | NXDN | NXDN Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 92 | NGMN | The Next Generation Mobile Network | Development of pre-standards | Convergence Infrastructure |
| 93 | NVIOT | Network Vendors Interoperability Testing Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 94 | OAGi | Open Applications Group Initiative | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 95 | OASIS | Organization for the Advancement of Structured Information Standards | Development of "de facto" standards | Convergence Service |
| 96 | OBSAI | Open Base Station Architecture Initiative | Development of "de facto" standards | Convergence Infrastructure |
| 97 | OGC | Open Geospatial Consortium Inc. | Development of pre-standards | Convergence Service |
| 98 | OGF | Global Grid Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 99 | OIF | Optical Internetworking Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 100 | OMA | Open Mobile Alliance | Development of "de facto" standards | Convergence Infrastructure |
| 101 | OMG | Object Management Group | Development of pre-standards | Information Technology |
| 102 | OMTP | Open Mobile Terminal Platform | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 103 | Open IPTV Forum | Open IPTV Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|-----------------------|--|---|----------------------------|
| 104 | Open SAF | Open Service Availability Framework | Development of "de facto" standards | Convergence Service |
| 105 | OSGi | The Open Services Gateway Initiative | Development of "de facto" standards | Convergence Service |
| 106 | Parlay | Parlay Group | Development of pre-standards | Convergence Infrastructure |
| 107 | PCCA | Portable Computer and Communications Association | Development of "de facto" standards | Convergence Service |
| 108 | PCI-SIG | Peripheral Component Interconnect Special Interest Group | Development of "de facto" standards | Convergence Service |
| 109 | PCMCIA | Personal Computer Memory Card International Association | Development of "de facto" standards | Convergence Service |
| 110 | PC/SC | PC/SC Working Group | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 111 | PICMG | PCI Industrial Computer Manufacturers Group | Development of "de facto" standards | Convergence Service |
| 112 | PKI Forum | PKI Forum | Others | Information Technology |
| 113 | Quest | Quality Excellence for Suppliers of Telecommunications | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 114 | Road to 100G Alliance | Road to 100G Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 115 | RosettaNet | RosettaNet Consortium | Development of pre-standards | Convergence Service |
| 116 | SAF | Service Availability Forum | Others | Information Technology |
| 117 | SAL-C | Smart Active Label Consortium | Development of specifications in order to implement and ensure the interoperability | Convergence Service |
| 118 | SCA | Smart Card Alliance | Others | Convergence Service |
| 119 | SCOPE Alliance | SCOPE Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 120 | SCTE | Society of Cable Telecommunications Engineers | Development of "de facto" standards | Convergence Infrastructure |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|--|---|----------------------------|
| 121 | SDR | Software Defined Radio Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 122 | SIP | Session Initiation Protocol | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 123 | SNIA | Storage Networking Industry Association | Others | Convergence Infrastructure |
| 124 | SPEC | Standard Performance Evaluation Corporation | Development of specifications in order to implement and ensure the interoperability | Information Technology |
| 125 | SSDA | Solid State Drive Alliance | Development of "de facto" standards | Information Technology |
| 126 | SPC | Storage Performance Council | Development of specifications in order to implement and ensure the interoperability | Information Technology |
| 127 | SMTA | Surface Mount Technology Association | Others | Information Technology |
| 128 | TCG | Trusted Computing Group | Development of specifications in order to implement and ensure the interoperability | Information Technology |
| 129 | TMForum | TeleManagement Forum | Development of pre-standards | Convergence Infrastructure |
| 130 | TOG | The Open Group | Development of "de facto" standards | Information Technology |
| 131 | TD-SCDMA | TD-SCDMA | Development of "de facto" standards | Convergence Infrastructure |
| 132 | TV Anytime Forum | TVAnytime Forum | Development of "de facto" standards | Convergence Infrastructure |
| 133 | UEFI | UNIFIED EFI FORUM, INC. | Development of "de facto" standards | Information Technology |
| 134 | UMTS | Universal Mobile Telecommunications System Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 135 | UPnP | Universal Plug and Play Forum | Development of "de facto" standards | Convergence Service |
| 136 | USBIF | Universal Serial Bus Implementers Forum | Development of "de facto" standards | Convergence Service |

Table 5 – Forums/consortia list in other countries

| No. | Abbreviation | Name of forums/consortia | Objectives | Technical fields |
|------------|---------------------|---|---|--|
| 137 | Voice XML | Voice XML Forum | Development of specifications in order to implement and ensure the interoperability | Information Technology |
| 138 | VoIPSA | VoIP Security Alliance | Others | Convergence Infrastructure |
| 139 | VSF | Video Services Forum | Others | Convergence Infrastructure |
| 140 | VSIA | Virtual Socket Interface Alliance | Development of "de facto" standards | Convergence Service |
| 141 | W3C | World Wide Web Consortium | Development of "de facto" standards | Information Technology |
| 142 | Web 3D | Web3D Consortium | Development of pre-standards | Information Technology |
| 143 | WfMC | Workflow Management Coalition | Others | Convergence Service |
| 144 | WIFI | Wireless Internet Fidelity Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 145 | WiMAX | Worldwide Interoperability for Microwave Access Forum | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |
| 146 | WiMedia | WiMedia Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure relating to Mobile Communication |
| 147 | World DMB Forum | World DMB Forum | Development of pre-standards | Convergence Infrastructure relating mainly to Digital Broadcasting |
| 148 | WS-I | Web Services Interoperability Organization | Development of specifications in order to implement and ensure the interoperability | Information Technology |
| 149 | WWRF | The "Wireless World Research Forum" (WWRF) | Others | Convergence Infrastructure |
| 150 | ZigBee | ZigBee Alliance | Development of specifications in order to implement and ensure the interoperability | Convergence Infrastructure |

6.2 Analysis by the technical fields

Table 6 shows the results of classifying and summarizing forum activities on a technical field basis. For those forums/consortia that span multiple technical fields, only their first technical field (the highest priority in their technical fields) was used for comparison.

Table 6 – Forum activities categorized by the technical field

| Category | Field | total | Name of forums/consortia |
|----------------------------|----------------------|---------------|--|
| Convergence Infrastructure | BcN | 46 (20.3%) | DSL, EMF, ENUM, Ethernet Alliance, FCIA, FSAN, FMCA, ICANN, IEEE802, IETF, IMTC, IPv6, IP/MPLS Forum, ISTA, ISOC MEF, MA, MFA, MSF, NVIOT, NXDN Forum, NFC Forum, OIF, Parlay, Quest, Road to 100G Alliance, SCOPE Alliance, SIP, SNIA, TMForum, VoIPSA, VSF, (E,N) BcN Forum, IPv6 Forum Korea, VoIP Forum, URI Forum, FoN Forum, Korea Ethernet Forum, Telecommunication Terminal Testing & Approval Forum, WLAN Authentication and Privacy Infrastructure Industry Alliance, China Bluetooth Technical Industry Alliance, MBA, VLCC, PUCC, POF(A) |
| | Broadcasting | 16 (7.1%) | ATSC, BSF, CableLabs, DRM, DVB, FLO, ISMA, Open IPTV Forum, SCTE, TV Anytime Forum, World DMB Forum (E,N), Next Generation Broadcasting Forum, MPEG Forum, KDCF, IPTV Forum Korea, AVSA |
| | Mobile Communication | 38 (16.7%) | 3GPP, 3GPP2, Bluetooth SIG, CDG, CCF, Femto Forum, GSMA, IMS Forum, IrDA, IWPC, Mobile VCE, MIPI Forum, NGMN, NFC Forum, OBSAI, OMA, OMTP, SDR, UMTS, WIFI, WiMAX Forum, WiMedia Alliance, WWRF, ZigBee Alliance (E,N), NGMC Forum, KWISF, Spectrum Engineering Forum, Korea UWB Forum, WPAN Forum, TD-SCDMA, Future Forum, TDIA, SCDMA, MMTA, Millimeter Wave Practical Application, MPCP, mITF |
| Information Technology | Software | 22 (9.7%) | CELF, IBIS, LINUX Foundation, LIMO Foundation, LISA, LIPS Forum, OMG, SAF, SPEC, SSDA, SPC, TOG, Voice XML, W3C, Web 3D, WS-I (E,N), SW technology Forum, Web Korea Forum, IABF, Mobile Web 2.0 Forum, Modeling Forum Korea, CFA(A) |
| | Digital Contents | 22 (9.7%) | ACM, CPES, DCP, DPF, DCMI, DMP, DVD, E-TASC, GeSI, IDF, IDPF, IMS Global, IT Forum, JEDEC, SMTA, Khronos, MPEGIF (E,N), DRM Forum, DCF, M3D Forum, Metadata crosswork Forum, Marlin(A), UEFI |
| | Security | 7 (3.08%) | Bio API Consortium, PKI Forum, Korea Bio-metric Forum, ICTFSS, JAISA/BSC, MST EMC consortium, TCG |

Table 6 – Forum activities categorized by the technical field

| Category | Field | total | Name of forums/consortia |
|---------------------------|-------------|---------------|---|
| Convergence Service | RFID/USN | 10 (4.4%) | AIM, EPC global, GS1, SAL-C(E,N), USN Forum, MRF Forum, u-city Forum, China RFID Industry Alliance, ECOM, T-Engine |
| | u-Computing | 47 (20.7%) | 1394TA, AUTOSAR, Broadband Forum, CM-LA, DLNA, ECMA, ERTICO, Global Platform, GCF, HANA, HAVi, HGI, HomePNA, HDMI, LONMARK, MoCA, MOST, OGC, OGF, OSGi, Open SAF, PCCA, PCISIG, PCMCIA, PICMG, PLC, UPnP, USBIF, NGPC Forum, Home Network Forum, GFK, LBS Forum, Telematics/CVB Forum, IT infra service Forum, SoC Forum, IGRS, Home Network Standards Industry Alliance, HomeGrid Internet ITS Consortium, PHS MoU, ECHONET, Business Grid, DOPG, UNF, UOPF, ITS Forum, SPIA |
| | EC | 16 (7.05%) | AICF, DMTF, EDIFICE, LAP, MeT, MPF, OAGi, OASIS, PCSC, RosettaNet, SCA, WfMC, u-payment FORUM, ECIF, JICSAP, JEPP0 |
| | Robotics | 3 (1.27%) | IEEE RAS, IFR, Intelligent Robotics Forum |
| Total of forums/consortia | 227 | | |

Based on the data of Table 6, we can illustrate the distribution of the technical field of the forums/consortia surveyed.

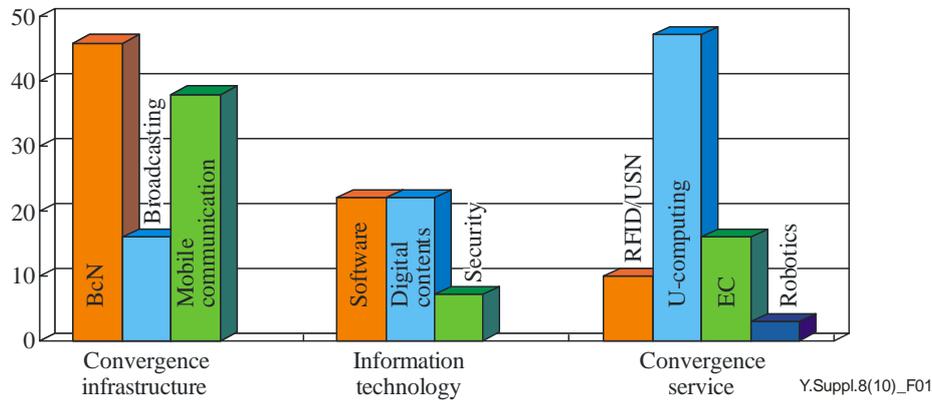


Figure 1 – Statistics of forum activities categorized by the technical field

6.3 Analysis by regions

Forums/consortia were categorized into 3 regions depending on the location of the secretariat, as shown in Table 7. Figure 2 illustrates the result of the analysis.

Table 7 – Forums/consortia categorized by regions

| Region | Total of forums/consortia (Percentage) | Name of forums/consortia |
|----------------------------------|---|---|
| European Region | 32 (14.1%) | 3GPP, AUTOSAR, DMP, DRM, DVB, ECMA, E-TASC EDIFICE, EMF, ERTICO, Femto Forum, GS1, GSM Association, HDMI, HGI, IDF, IFR, MeT, MOST, OMTP, PLC, TV Anytime Forum, UMTS, World DMB Forum, WWRF, ITF, NGMN, Open IPTV Forum |
| North American Region | 112 (49.3%) | 1394TA, 3GPP2, AIM, ACM, ATSC, Bio API, Bluetooth SIG, BSF, CableLabs, CDG, CCF, CFA CELF, CPES, DCMI, DLNA, DMTF, DSLF, DCP, DPF, ENUM, EPCglobal, Ethernet Alliance, FCIA, FMCA, FLO, FSAN, HANA, HAVi, HomePNA, ICANN, IDPF, IEEE RAS, IEEE802, IETF, IBIS, IMS Forum, GeSI, IMS Global, IMTC, IP/MPLS Forum, IPv6 Forum, IrDA, ISMA, ISOC, GCF, Khronos Group, LAP, LINUX Foundation, LIPS Forum, LONMARK, MEF, MFA, MIPI, MoCA, MPEGIF, MPF, MSF, NFC Forum, OAGi, OASIS, OGC, OGF, OIF, OMA, OMG, OSGi, Parlay, PCCA, PCISIG, PCMCIA, PCSC, PICMG, Quest, Road to 100G Alliance, RosettaNet, SAF, SAL-C, SCA, SCOPE Alliance, SCTE, SDR, SIP, SNIA, TMForum, TOG, UPnP, USBIF, Voice XML, VSF, VSIA, W3C, Web 3D, WfMC, WIFI, WiMAX, WiMedia, WS-I, ZigBee, NXDN, Homegrid, ISTA, IWPC, JEDEC, LIMO, LISA |
| Asian Region | 82 (36.1%) | AICF, DVD Forum, ASIA PKI Forum, TDIA, IGRS, ITopHome, SCDMA, CFA, CM-LA, MMTA, AVSA, TAF, WAPI Industry Alliance, China Bluetooth Technical Industry Alliance, China RFID Industry Alliance, Future Forum, TD-SCDMA(China), NGMCF, KWISF, Spectrum Engineering Forum, Korea UWB Forum, WPAN Forum, USN Forum, MRF, u-city Forum, Next Generation Broadcasting Forum, MPEG Forum, KDCF, IPTV Forum Korea, BcN Forum, IPv6 Forum Korea, VoIP Forum, URI Forum, FoN Forum, Korea Ethernet Forum, Intelligent Robotics Forum, Next Generation PC Forum, Home Network Forum, GFK, LBS Forum, Telematics/CVB Forum, IT infra service Forum, SoC Forum, DRM Forum, DCF, M3D Forum, Metadata crosswork Forum, SW technology Forum, Web Korea Forum, IABF, MW 2.0 Forum, Modeling Forum Korea, u-payment Forum, Integrity Forum on Electronic Commerce, Korea Bio-metric Forum(Korea), Business Grid, Consortium for Millimeter wave Practical Application, ECHONET, ECOM, ICTFSS, ITS Forum, JAISA/BSC Committee, JEPPO, JICSAP, Marlin, MBA, MCPC, PHSMoU, PoF, PUCC, SPIA, T-Engine, UOPF, VLCC, IIC, TRANSFERJ, SCDMABF, CFNWT, Fttx UNF, DOPG, mITF, (Japan) |
| Others | 1 (0.5%) | VoIPSA |
| Total number of forums/consortia | 227 | |

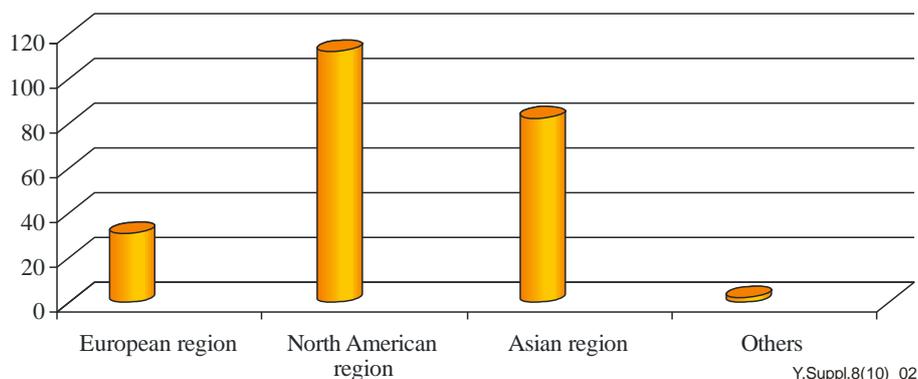


Figure 2 – Statistics by regions

6.4 Analysis by objectives

In this report, we divide the objectives of the forums/consortia activities into 4 categories :

- De facto standard
- Pre-standardization
- Implementation and interoperability
- Others: the forums/consortia which aim at future vision, market researching, consulting or enlightenment.

According to the above categories, we can summarize the objectives of the forums/consortia surveyed in Table 8.

Table 8 – Forums/consortia categorized by objectives

| Objectives | Total | Name of forums/consortia |
|-------------------|-------|---|
| De facto standard | 68 | ATSC, Bluetooth SIG, CableLabs, CM-LA, DCP, DPF, DMTF, DVD Forum, Femto Forum, HANA, HomePNA, HomeGrid, IDPF, IBIS, IEEE RAS, IEEE802, IETF, Khronos Group, LIPS Forum, LIMO Foundation, OASIS, OMA, OSGi, OBSAI, Open SAF, PCCA, PCISIG, PCMCIA, PICMG, PLC Forum, SCTE, TOG, TVAnytime Forum, USBIF, VSIA, W3CKWISF, Korea UWB Forum, WPAN Forum, USN Forum, MRF Forum, URI Forum, FoN Forum, Intelligent Robotics Forum, NGPC Forum, Home Network Forum, Grid Forum Korea, LBS Forum, Telematics/CVB Forum, IT infra service Forum, System on chip Forum, Digital Contents Forum, Mobile 3D Forum, Metadata crosswork Forum, NXDN Forum, NFC Forum SW technology Forum, SSDA, Web Korea Forum, Modeling Forum Korea, Integrity Forum on Electronic Commerce, IGRS, ITopHome, CFA, IIC, SPIA, ECHONET, UEFI |

Table 8 – Forums/consortia categorized by objectives

| Objectives | Total | Name of forums/consortia |
|---|-------|---|
| Pre-standard | 46 | ACM, 3GPP, 3GPP2, AIM, Bio API, DCMI, DRM, DVB, ECMA, Femto, FMCA, FCIA, FSAN, IMS Global, ISMA, IP/MPLS Forum, JEDEC, MEF, MeT, MIPI, MSF, OGC, OMG, Parlay Group, RosettaNet, TMForum, Web 3D, World DMB Forum, Next Generation Broadcasting Forum, MPEG Forum, Mobile VCE, MST EMC consortium, MA, NGMN, IPTV Forum Korea, BcN Forum, IPv6 Forum Korea, Korea Ethernet Forum, DRM Forum, Korea Bio-metric Forum, TD-SCDMA industry Alliance, Mobile Multimedia Technology Alliance, SPC, WLAN Authentication and Privacy Infrastructure Industry Alliance, VLCC, POF, Consortium for Millimeter Wave |
| Implementation specifications/ interoperability | 67 | 1394TA, BSF, Broadband Forum, CCF, CELF, DLNA, DMP, DSLF, EDIFICE, EPC global, GCF, Ethernet Alliance, FLO, HAVi, HDMI, HGI, IDF, IMS Forum, IMTC, IrDA, ISTA, LAP, LINUX Foundation, LONMARK, MFA, MoCA, MOST, MPF, NFC Forum, NVIOT, OAGi, OGF, OIF, OMTP, Open IPTV Forum, PCSC, Quest, Road to 100G Alliance, SAL-C, SCOPE Alliance, SPEC, TCG, SDR, SIP, UMTS, UPnP, UWB Forum, Voice XML, WIFI, WiMAX, WiMedia, WS-I, ZigBee, u-city Forum, Korea Digital Cable Forum, Voice over IP Forum, Mobile Web 2.0 Forum, u-payment FORUM, AVSA, TAF, China RFID Industry Alliance, T-Engine, UOPF, Business Grid, MPCP, DOPG, MBA, UNF |
| Others | 46 | AICF, AUTOSAR, CDG, CPES, EMF, E-TASC, ENUM, ERTICO, Future Forum, GeSI, GS1, GSM Association, ICANN, IFR, IWPC, IPv6, ISOC, LISA, mITF, MPEGIF, PKI Forum, SAF, SCA, SNIA, VoIPSA, VSF, WfMC, WWRF, NGMC Forum, Spectrum Engineering Forum, IABF, SCDMA, China Bluetooth Technical Industry Alliance, TDS-CDMA, ECOM, JEPPPO, ICTFSS, JICSAP, PHSMoU, PUCC, Marlin, ITS Forum, JAISA/BSC, ITS Forum, SMTA, IT Forum |

Based on the data of Table 8, we can illustrate the distribution of the objectives of the forums/consortia activities, as shown in Figure 3.

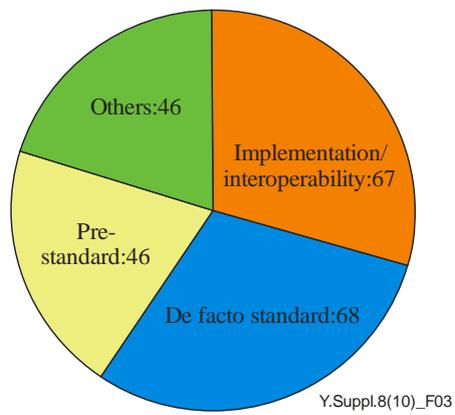


Figure 3 – Statistics of objectives

From this figure, we can see that the percentage of the Implementation and Interoperability and de facto standards total up to nearly 60%; therefore, we can conclude that making some implementable standards is the main objective of most forums/consortia's activities.

Appendix I

Details of forums/consortia

The detailed information of most of forums/consortia under the survey in this supplement is provided in this appendix. However, as for the other forums/consortia which are not sufficiently described here, they are expected to be added in a subsequent version. It should be noted that in this appendix, the data in the following tables of all the forums/consortia were quoted from the contents of the corresponding official websites released in 2008. For all the alterations and updating after that, please visit the website attached in the "Contact Point" of each table for more information.

| | | | |
|--------------------------|---|------------------|------|
| Name of Forum | 1394TA (1394 High Performance Serial Bus Trade Association) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1994 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <div style="text-align: center;"> <pre> graph TD Board[Board of Directors] --- WG1[Architecture WG] Board --- WG2[Audio/visual WG] Board --- WG3[Automotive WG] Board --- WG4[Cable and connectors WG] Board --- WG5[Compliance and interoperability WG] Board --- WG6[Industrial and instrument WG] Board --- WG7[Marketing WG] Board --- WG8[Pro audio WG] Board --- WG9[Residential backbone WG] Board --- WG10[Silicon WG] Board --- WG11[Wireless WG] </pre> <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F04</p> </div> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Promotes the proliferation of the IEEE 1394 Serial Bus standard technology into the computer, consumer, peripheral, and industrial markets to enable a truly Interoperable, standardized, universal I/O and back plane interconnect Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Audio/Visual WG: To develop command sets, control protocols and digital transmission formats for consumer use of 1394 in applications such as digital camcorders, digital set top boxes, digital TVs Cables and Connectors WG: To develop specification of Cable and Connectors | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> IEEE1394-1995(Base Document), 1394a-2000, 1394b-2002, 1394.1-2004 3.2 Gigabit per Second Speed for FireWire (Dec. 2007) | | |
| Membership And Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 170 Names of main members and their countries <ul style="list-style-type: none"> APPLE Computer, TEXAS Instrument, Sony, Intel, Microsoft, JVC, Matsushita, Compaq, NEC, Philips, Samsung | | |
| Cooperative | <ul style="list-style-type: none"> N/A | | |

| | |
|---------------|---|
| Relationships | |
| IPR policy | <ul style="list-style-type: none"> Available |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 1394 Trade Association 1560 East Southlake Blvd, Suite 242 Southlake, TX 76092, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.1394ta.org, TEL: +1 817 416 2200 |

| | | | |
|--------------------------|---|------------------|---------|
| Name of Forum | 3GPP (3rd Generation Partnership Project) | | |
| Active Purpose | Development of pre-standards | Established Date | 1998.12 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD PCOG[Project co-ordination group] --> TSG_GERAN[TSG GERAN GSM EDGE (Radio access Network)] PCOG --> TSG_RAN[TSG RAN (Radio access network)] PCOG --> TSG_SA[TSG SA (Services and system aspects)] PCOG --> TSG_CT[TSG CT (Core network and terminals)] TSG_GERAN --> GERAN_WG1[GERAN WG 1 radio aspects] TSG_GERAN --> GERAN_WG2[GERAN WG 2 protocol aspects] TSG_GERAN --> GERAN_WG3[GERAN WG 3 terminal testing] TSG_RAN --> RAN_WG1[RAN WG 1 radio layer 1 spec] TSG_RAN --> RAN_WG2[RAN WG 2 radio layer 2, 3 RR spec] TSG_RAN --> RAN_WG3[RAN WG 3 lub spec air spec air spec and UTRAN O and N requirement] TSG_RAN --> RAN_WG4[RAN WG 4 radio performance and protocol aspects] TSG_RAN --> RAN_WG5[RAN WG 5 mobile terminal conformance testing] TSG_SA --> SA_WG1[SA WG 1 service] TSG_SA --> SA_WG2[SA WG 2 architecture] TSG_SA --> SA_WG3[SA WG 3 security] TSG_SA --> SA_WG4[SA WG 4 codec] TSG_SA --> SA_WG5[SA WG 5 telecom management] TSG_CT --> CT_WG1[CT WG 1 MM/CC/SM] TSG_CT --> CT_WG3[CT WG 3 interworking with external network] TSG_CT --> CT_WG4[CT WG 4 MAP/GTP/BCH/SS] TSG_CT --> CT_WG5[CT WG 5 open service architecture] TSG_CT --> CT_WG6[CT WG 6 smart card application aspects] </pre> <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F05</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To produce 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) Work Group Characteristics and Deliverables <ul style="list-style-type: none"> TSG RAN: define the functions, requirements and interfaces of the UTRA network in its two modes, FDD & TDD TSG SA: is responsible for the overall architecture and service capabilities of systems based on 3GPP specifications TSG CT: is responsible for specifying terminal interfaces (logical and physical), terminal capabilities (such as execution environments) and the Core network part of 3GPP systems TSG GERAN: is responsible for the specification of the Radio Access part of GSM/EDGEV | | |

| | |
|---------------------------|---|
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) – HSPA, HSPA+ (High Speed Packet Access plus) |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 273 Names of main members and their countries – ETSI: 210, ARIB: 23, TTC: 8, ATIS: 16, CCSA: 9, TTA: 7 |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, ISO, 3GPP2, IEEE802, Bluetooth SIG, DVB Project, ECMA, GCF, GSMA, IDB Forum, IETF, IrDA, IMTC, MSF, OMG, Parlay Group, SDR Forum, TM Forum, TVanytime Forum, W3C, etc. |
| IPR policy | – |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) – ETSI, Mobile Competence Centre, 650, route des Lucioles, 06921 Sophia-Antipolis Cedex, France URL and telephone number – URL: http://www.3gpp.org, Tel: +33 4 92 94 43 53 |

| | | | |
|--------------------------|--|------------------|---------|
| Name of Forum | 3GPP2 (3rd Generation Partnership Project 2) | | |
| Active Purpose | Development of pre-standards | Established Date | 1999.01 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure |  <pre> graph TD SC[Steering Committee] --> TSGA[TSG-A Access Network Interfaces] SC --> TSGC[TSG-C CDMA-2000] SC --> TSGS[TSG-S Service & System Aspects] SC --> TSGX[TSG-X Intersystem Operations] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission – is a collaborative third generation (3G) telecommunications specifications-setting project – comprises North American and Asian interests developing global specifications for ANSI/TIA/EIA-41 Cellular Radio telecommunication Intersystem Operations network evolution to 3G and global specifications for the radio transmission technologies (RTTs) supported by ANSI/TIA/EIA-41 Work Group Characteristics and Deliverables – TSG-A (Access Network Interfaces): responsible for interworking between 3GPP2 technologies and with other radio access technologies – TSG-C (cdma2000®): is responsible for the radio access part, including its internal structure, of systems based on 3GPP2 specifications – TSG-S (Services and Systems Aspects): is responsible for the development of service capability requirements for systems – TSG-X (Core Networks): is responsible for the specifications of the Core network part of systems | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) – EVDO Rev. B, UMB(EVDO Rev. C) | | |

| | |
|---------------------------|--|
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: 80 • Names of main members and their countries – TIA: 53, ARIB: 6, TTC: 6, CCSA: 5, TTA: 10 |
| Cooperative Relationships | <ul style="list-style-type: none"> • CDG, IPv6 Forum, 3GPP, ITU |
| IPR policy | <ul style="list-style-type: none"> • N/A |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Telecommunications Industry Association 2500 Wilson Blvd., Suite 300 Arlington, VA 22201 <ul style="list-style-type: none"> • URL and telephone number – URL: http://www.3gpp2.org , Tel: +1 703 907 7700 |

| | | | |
|--------------------------|--|------------------|----------|
| Name of Forum | AICF (Asia IC Card Forum) | | |
| Active Purpose | Others | Established Date | 2000.6.9 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <p>The organizational structure of AICF is as follows:</p> <ul style="list-style-type: none"> Honorable Chairperson: Ohyama, Nagaaki (JP) Chairperson: Kim, Byong-Kook (KR) Steering Committee: Xu, Xin (CN), Jin, Qian (CN), Shimada, Hiroshi (JP), Shibata, Yoshiki (JP), Lin, Yih (SG), Lee, Raymond (SG), Cho, Dong Sub (KR), Cho, Yeong Hyu (KR) Vice Chairperson: Wang, Lijian (CN), Taniguchi, Shoji (JP), Tan, Geok Leng (SG), Chung, Chil-Hee (KR) Secretariat: KEPIA (KR) Members: Principal members, Associate members, Affiliate members Working Groups: Legal Working Group, Standard Working Group, Industry Working Group, e-ID Working Group | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To promote IC Card usage in countries/areas and to realize safe and trustworthy IT society by activating IC Card usage in the region (Asia) • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Industry WG: To work for discussion and development of business models, which is co-operative business among the members – Standard WG: To review the technical specification which is the field of smart card, e-payment, ID, etc. | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – PSAM (Purchase Secure Application module) – SSID (Standard of Smart ID) | | |

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| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 4 • Names of main members and their countries <ul style="list-style-type: none"> – ICCR (China), NISCC (JAPAN), IDA (SINGAPORE), KEPIA (KOREA) |
| Cooperative Relationships | <ul style="list-style-type: none"> • N/A – Participate in u-payment Forum (Korea) |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 12th Floor, SAMGONG Building 136, Cheongjin-dong, Jongno-gu, Seoul, 110-130, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://asiaiccardforum.org, Tel: +82 2 734 0563 ~ 5 |

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| Name of Forum | AIM (Association for Automatic Identification and Mobility) | | |
| Active Purpose | Development of pre-standards | Established Date | 2003 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Finance[Finance Committee] Board --- Nomination[Nomination Committee] Board --- Management[Management] Management --- AMAC[America Membership Advisory Council] Management --- EMAC[Europe Middle-East Africa Membership Advisory Council] Management --- APAC[Asia Pacific Membership Advisory Council] AMAC --- Council[Council] EMAC --- Council APAC --- Council </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To deliver products and services that will drive the growth of the automatic identification and data capture (AIDC) industry around the world – To promote development of technologies such as bar code, radio frequency identification (RFID), wireless LAN, and card technologies • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – RFID Expert Group: to facilitate the most effective implementation of all forms of RFID – Technical Symbology WG: to serve as the technical authority for all issues related to bar code symbologies | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Reference: http://www.aimglobal.org/standards/aimpubs.asp | | |

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| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members-Global Chapter: 13, GLOBAL Members: 60 • Names of main members and their countries – Electronic Tracking Systems, Johnson & Johnson, Philips Semiconductors, Siemens |
| Cooperative Relationships | <ul style="list-style-type: none"> • ISO/IEC JTC 1 SC31, GS1, etc. |
| IPR policy | <ul style="list-style-type: none"> • N/A |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – AIM Global 125 Warrendale-Bayne Road Warrendale, PA 15086, USA • URL and telephone number – URL: http://www.aimglobal.org, Tel: +1 724 934 4470 |

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| Name of Forum | ATSC (Advanced Television Systems Committee) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1982 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD A[ATSC Members] --> B[Board of Directors] B --> C[Technology and Standards Group] B --> D[Planning Committee] C --> E["TSG Specialist Groups: S1 PMCP S2 ACAP S3 Digital ENG S4 ATSC-MH S6 Audio/Video Coding S8 Transport S9 Transmission S10 Receivers S13 Data Broadcast"] D --> F["PC Working Groups: ATSC 2.0 ACAP Field Trial Education and Training International Participation"] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – To create and foster implementation of voluntary Standards and Recommended Practices to advance terrestrial digital television broadcasting and to facilitate interoperability with other media • Work Group Characteristics and Deliverables – TSG/SG1: defining specifications and standards for exchange of PSIP-related metadata between DTV systems and equipment – TSG/SG2: be responsible for the ongoing development of the ACAP standard – TSG/SG4: be charged with developing a standard for mobile and handheld services using backward-compatible enhancements to the ATSC DTV emission | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – ATSC Standard of Mobile and Handheld (2007) | | |

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| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 143 Names of main members and their countries – ETRI, Hitachi, Sony |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, CEA, NAB, NCTA, SMPTE, etc. |
| IPR policy | <ul style="list-style-type: none"> N/A |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) – 1750 K Street NW Suite 1200 Washington, DC 20006, USA URL and telephone number – URL: http://www.atsc.org, TEL: +1 202 872 9160 |

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| Name of Forum | AUTOSAR (Automotive Open System Architecture) | | |
| Active Purpose | Others | Established Date | 2003.07 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission – Fulfillment of future vehicle requirements, such as availability and safety, SW upgrades/updates and maintainability Work Group Characteristics and Deliverables – Specification of an AUTOSAR Runtime Environment to provide inter- and intra-ECU communication across all nodes of a vehicle network. – Definition of standardized interfaces across the different vehicle domains | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) – Specification of Virtual Functional Bus – Reference: http://www.autosar.org/find02_07.php | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Core partner, Premium member (EUR 15'000), Associate Member (EUR 7'500) Total number of members: 117 Names of main members and their countries – BMW, Bosch, Ford, Toyota, Siemens VDO | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |

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| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – GbR Frankfurter Ring 127 D-80807 Munich • URL and telephone number <ul style="list-style-type: none"> – URL: www.autosar.org, Tel: +49 89 14 32 59 17 |
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| Name of Forum | Bio API Consortium | | |
| Active Purpose | Development of pre-standards | Established Date | 1998.04 |
| Object field | <ul style="list-style-type: none"> • Information Technology relating mainly to Security | | |
| Organizational Structure | <pre> graph TD SC[Steering Committee] --- WC[Working Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To develop a widely available and widely accepted API that will serve for various biometric technologies • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Work with industry biometric solution developers, software developers, and system integrators to leverage existing standards to facilitate easy adoption and implementation – Develop an OS independent standard – Make the API biometric independent | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Bio API v2.0 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: 163 • Names of main members and their countries <ul style="list-style-type: none"> – Acsys Biometrics USA, Inc. Hewlett Packard (HP), National Institute of Standards (NIST) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • ISO/IEC JTC 1 SC37, ANSI, NIST, etc. | | |
| IPR policy | <ul style="list-style-type: none"> • N/A | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – MS 5581W 11491 Sunset Hills Rd Reston, VA 20190 USA • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.bioapi.org, Tel: +1 (703) 579 3064 | | |

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| Name of Forum | Bluetooth SIG (Special Interest Group) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1998.09 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD BD[Board of Directors] --- MS[Management Services (The open Group)] BD --- GM[General Manager] BD --- Reg[Regulatory] BD --- Mkt[Marketing] BD --- BARB[Bluetooth Architecture Review Board] BD --- WG[Working Groups] BD --- BTI[Bluetooth Testing and Interoperability] BD --- BQRB[Bluetooth Qualification Review Board] BTI --- TVD[Test Vector Development] BQRB --- BQA[Bluetooth Qualification Administrator] subgraph TestToolsProgram [Test Tools Program] TVD end subgraph QualificationProgram [Qualification Program] BQA end </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To make available 2.4 GHz (ISM band), develop and disseminate Bluetooth specs Technological development for short distance links, including small-sized and low-priced mobile PCs and mobile telephones Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Regulatory WG: perform/analyse the radio regulation in the world Marketing WG: disseminate Bluetooth specs. Qualification Review WG: development of authentication program in relation to Bluetooth Equipment | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Wireless Connectivity Asia, 29-30 Nov. 2007 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Associate members: eligible to use specs at draft stages and make comments. Annual dues: companies with annual revenue of more than USD 100M: USD 35'000, companies with annual revenue of less than USD 100M: USD 7'500 Total number of members: 500 Names of main members and their countries <ul style="list-style-type: none"> Agere Systems (USA), Ericsson (Sweden), Intel (USA), Lenovo (China), Microsoft (USA), Motorola (USA), Nokia (Finland), Toshiba (Japan) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Liaison/MoU: IEEE802.15 | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Bluetooth SIG, Inc. Bellevue, Washington 500 108th Avenue NE Suite 250 Bellevue, WA 98004, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.bluetooth.org, TEL: 425 691 3535 | | |

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| Name of Forum | BSF (Broadband Services Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2004 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Business[Business WG] Board --- Technical[Technical WG] Board --- Marketing[Marketing WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Fosters collaboration across the broadband value chain including content, service and technology providers Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical WG: To develop the activities of technical specifications (Home networking, Monetizing the IP traffic, Advanced Applications, Content) Marketing WG: To promote the activities of the Forum through the variety of means at its disposal, including website, meetings, speaking opportunities, press engagements, joint sponsorships, liaisons, etc. | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> In 2007, the Broadband Services Forum will focus on 4 key areas (Home Networking, Advanced Applications, IPTV/Monetizing IP Traffic, Content) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Membership (USD 4'500 ~ USD 10'000, Associate Membership (USD 3'000) Total number of members: 16 Names of main members and their countries <ul style="list-style-type: none"> Alcatel-Lucent, BT, Nortel, Siemens | | |
| Cooperative Relationships | <ul style="list-style-type: none"> TBD | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Fremont California USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.broadbandservicesforum.org, TEL: +1 510 608 5913 | | |

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| Name of Forum | CableLabs | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1988 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Executive[Executive Committee] Board --> Technical[Technical Advisory Committee] Technical --> Working[Working Sub committees] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Dedicated to pursuing new cable telecommunication technologies Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Research and develop the cable telecommunication technologies DOSIS: Defines interface requirements for cable modems involved in high speed data distribution over cable television system networks PacketCable: Aimed at developing interoperable interface specifications for delivering real-time multimedia services over two-way cable plant OpenCable: Defines and enables deployment of "plug-and-play" retail television receivers and other equipment compatible with advanced digital cable applications and services Go2Broadband: Creates an Internet-based electronic commerce tool to assist in selling cable services VOD Metadata: Investigates the distribution of content assets from multiple content providers sent over diverse networks to cable operators Advanced Advertising: Creates new revenue opportunities around advanced advertising technologies CableHome: Develops the interface specifications necessary to extend high-quality cable-based services to network devices within the home | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> DOCSIS3.0, OCAP | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 48 Names of main members and their countries <ul style="list-style-type: none"> Cable America Corporation. Cable de Tula, S.A. de C.V. ("Cablemas") (Mexico), Campbell River TV Association ("CRTV") (Canada), FamilyView Cablevision | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 858 Coal Creek Circle, Louisville, CO 80027-9750, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.cablelabs.com, TEL: +1 303 661 9100 | | |

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| Name of Forum | CDG (CDMA Development Group) | | |
| Active Purpose | Others | Established Date | 1993.12 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD LC[Leadership Council] --> EBC[CDG Executive Board] EBC --> SC[Steering Committee] SC --> TT[Technical Team] SC --> RIG[Regional Interest Group] subgraph TT_Box [Technical Team] ETM[Evolution Team - Manufacture] ETO[Evolution Team - Operator] GHRC[Global Handset Requirement For CDMA] IR[International Roaming] IS[Interoperability Specification] IP[IP based OTA Device Management] MMS[MMS Team] ST[System Test] end subgraph RIG_Box [Regional Interest Group] AP[ASIA PACIFIC] LA[Latin America] end </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: To lead the rapid evolution and deployment of 3G CDMA-based systems, based on open standards and encompassing all core architectures, to meet the needs of markets around the world Accelerate the definition of requirements for new CDMA features, services and applications Promote industry and public awareness of CDMA capabilities and developments through marketing and public relations activities Foster collaboration and the development of consensus among carriers on critical issues to provide direction and leadership for the industry Define the evolution path for current and next-generation CDMA systems Work Group Characteristics and Deliverables Global Handset Requirements for CDMA (GHRC): develops device and application requirements documents for use by CDMA operators and their terminal suppliers Technical Teams: development of CDMA2000 advanced features and services Regional Interest Groups: to further cdma One and CDMA2000 deployment in specific geographic regions | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Member (USD 4'500 ~ 10'000), Associate Member (USD 3'000) Total number of members: 124 Names of main members and their countries China Unicom, KDDI, QUALCOMM, Motorola, Nokia Sony Electronics | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, 3GPP2, ARIB (Japan), CWTS (China), TIA (USA), TTA (Korea) and TTC (Japan) | | |
| IPR policy | <ul style="list-style-type: none"> TBD | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) CDMA Development Group 575 Anton Blvd., Ste. 560 Costa Mesa, California 92626 United States URL and telephone number URL: http://www.cdg.org, TEL: +1 888 800-CDMA | | |

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| Name of Forum | CELF (Consumer Electronics Linux Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2003.06 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD SC[Steering Committee] --> AG[Architecture Group] AG --> TWG[Technical WG] AG --> PWG[Profile WG] AG --> SIWG[Special Interest WG] AG --> AHG[Ad-hoc Group] TWG --> BTWG[Boot Up Time WG] TWG --> PMWG[Power Management WG] TWG --> AVGWG[Audio/Video/Graphic WG] TWG --> RTWG[Real-Time WG] TWG --> SSWG[System Size WG] TWG --> SWG[Security WG] PWG --> MPWGP[Mobile Phone Profile WG] PWG --> DTVWG[DTV WG] SIWG --> FMWG[Flash Memory WG] AHG --> TBWG[Test bed WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To preserve and present information about the use of Linux in embedded systems The primary target audience is developers, engineers, managers, hobbyists and others who are involved with putting Linux into embedded systems | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Founding Member (USD 16'000), Associate Member (USD 12'000), Associate Member (USD 8'000), Supporting Member (USD 4'000), Total number of members: 55 Names of main members and their countries <ul style="list-style-type: none"> Sony, Matsushita, IBM, NEC, Philips | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (Royalty Free) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 3855 SW 153rd Drive Beaverton, OR 97006 URL and telephone number <ul style="list-style-type: none"> URL: http://celinuxforum.org, TEL: +1 503 619 0855 | | |

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| Name of Forum | DCMI (Dublin Core Metadata Initiative) | | |
| Active Purpose | Development of pre-standards | Established Date | 1995.03 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD subgraph DCMI [DCMI] Host[HOST] --- PVP[PLENARY VOTING PROCESS] BOT[BOARD OF TRUSTEES] --- PVP Aff[AFFILIATES] --- PVP PVP --- DIR[DIRECTORATE] end DIR --- UB[USAGE BOARD] DIR --- AB[ADVISORY BOARD] DIR --- WG[WORKING GROUPS] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Accessibility Community DCMI Collection Description Community DCMI Education Community DCMI Environment Community DCMI Government Community DCMI Identifiers Community DCMI Kernel Community DCMI Knowledge Management Community DCMI Libraries Community DCMI Localization and Internationalization Community DCMI Preservation Community DCMI Registry Community | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Silver Partner (USD 3'000), Gold Partner (USD 5'000), platinum Partner (USD 10'000) Total number of members: – Names of main members and their countries <ul style="list-style-type: none"> The National Library of Korea, National Library of New Zealand, Archives New Zealand State Services Commission, MLA-Museums, Libraries and Archives Council | | |
| Cooperative Relationships | <ul style="list-style-type: none"> W3C, IETF, NISO | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> OCLC Online Computer Library Center, Inc. 6565 Frantz Road Dublin, OH 43017-3395 USA URL and telephone number <ul style="list-style-type: none"> URL: http://dublincore.org, TEL: +1 614 764 6000, 1 800 848 5878 | | |

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| Name of Forum | DLNA (Digital Living Network Alliance) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003.06 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Ops[Operations] Board --- Exec[President Vice President Treasurer Secretary Executive Director] Board --- Tech[Technical] Board --- Ecos[Ecosystem] Board --- Mem[Membership] Board --- Int[Interoperability and Compliance] Board --- Mkt[Marketing and PR] Tech --- CP[Content Protection Subcommittee] Tech --- GE[Guideline Expansion Subcommittee] Tech --- GM[Guidelines Maintenance Subcommittee] Ecos --- UC[Use Cases Subcommittee] Ecos --- IL[Industry Liaison Subcommittee] Int --- CL[Certification & Logo Subcommittee] Int --- CT[Compliance Test Subcommittee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> DLNA is focused on delivering an interoperability framework of design guidelines based on open industry standards to complete the cross industry digital convergence (Home Networking, CE, PC, Mobile Equipment, etc.) Work Group Characteristics and Deliverables | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> DLNA v2 Link layer network Security, DLNA v2 Contents sync, etc. | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: BoD Membership (USD 100'000), Promoter Membership (USD 50'000), Contributor Membership (USD 30'000), Total number of members: 264 Names of main members and their countries <ul style="list-style-type: none"> Samsung, Intel, MS, Nokia, SONY, Panasonic, Philips, HP | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Digital Living Network Alliance 3855 SW 153rd Drive Beaverton, Oregon 97006 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.dlna.org, TEL: +1 503 619 0422 | | |

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| Name of Forum | DMP (Digital Media Project) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2003.12 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- BD[Board of Directors] GA --- MNC[Membership and Nomination Committee] GA --- FAC[Finance and Audit Committee] GA --- DC[Development Committees] DC --- DC1[DC 1 Technical Specifications] DC --- DC2[DC 2 Recommended Actions] DC1 --- AHG01[AHG-N01 Requirement for IDP, IED, PAV] DC1 --- AHG16[AHG-N16 Editing IDP-2 WD] DC1 --- AHG17[AHG-N17 DMP Reference Software] DC1 --- AHG18[AHG-N18 Conformance] DC1 --- AHG19[AHG-N19 Functions and Requirements] DC2 --- AHG02[AHG-N02 TRU CFC] DC2 --- AHG15[AHG-N15 TRU CFC] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Promote continuing successful development, deployment and use of Digital Media that respect the rights of creators and rights holders to exploit their works, the wish of end users to fully enjoy the benefits of Digital Media and the interests of various value-chain players to provide products and services Work Group Characteristics and Deliverables <ul style="list-style-type: none"> DC1 (Interoperable DRM Platform): To develop Technical Specifications for the DMP Interoperable DRM Platform DC2 (IDP Functions and Requirements): To develop and maintain IDP Functions and Requirements and to develop Calls for Proposals for the different IDP phases | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Refer to http://www.dmpf.org/open/index.html | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: CHF 4'000 Total number of members: 21 Names of main members and their countries <ul style="list-style-type: none"> British Broadcasting Corporation (UK), MPEGLA (US), Matsushita (JP) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO/IEC JTC 1 SC29, CRF, ISMA, OMA, TV-Anytime Forum | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Digital Media Project Secretariat Eurescom GmbH Wieblinger Weg 19/4 D-69123 Heidelberg Germany URL and telephone number <ul style="list-style-type: none"> URL: http://www.dmpf.org, TEL: – | | |

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| Name of Forum | DMTF (Distributed Management Task Force) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1992 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Tech[Technical Committee] Board --> Interop[Interoperability Committee] Board --> Marketing[Marketing Committee] Tech --> App[Applications/Metrics WG] Tech --> PreOS[Pre-OS WG] Tech --> Arch[Architecture WG] Tech --> Server[Server Management WG] Tech --> CIM[CIM Core Schema WG] Tech --> SV[System Virtualization, Partitioning, and Clustering WG] Tech --> Desktop[Desktop & Mobile WG] Tech --> Telecom[Telecom WG] Tech --> Behavior[Behavior and State WG] Tech --> WBEM[WBEM Infrastructure & Protocols WG] Tech --> Policy[Policy WG] Interop --> CDM[CDM Forum] Interop --> System[System Mana Forum] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Development, adoption and promotion of interoperable management standards and initiatives. DMTF management technologies are critical to enabling management interoperability among multi-vendor systems, tools, and solutions within the enterprise Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Alliance Committee: be responsible for forming and maintaining formal liaison relationships with other standards organizations Interoperability Committee: to develop a Conformance and Certification program Technical Committee: to develop a Conformance and Certification program | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> WBEM (Web based Enterprise Management), CIM (Common Information Model) Dash v1.1 (Dec. 07): Desktop/mobile Architecture to System Hardware | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Leadership Member (USD 10'000), Participation Member (USD 5'000), Monitoring Member (USD 2'500), Sponsor Membership (private USD 200) Total number of members: 200 Names of main members and their countries <ul style="list-style-type: none"> Cisco Systems; Dell Computer Corp.; EMC; HP; Hitachi, Ltd; IBM; Intel; Microsoft; Novell; Oracle; Sun Microsystems; Symantec | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Alliance Partnership: OGF, NIST, OMG, TOG, TMForum, SAF | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 225 SE Main St. Portland, OR 97214 URL and telephone number <ul style="list-style-type: none"> URL: http://www.dmtf.org, TEL: +1 503 963 3505 | | |

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| Name of Forum | DRM Consortium (Digital Radio Mondiale) | | |
| Active Purpose | Development of pre-standards | Established Date | 1998.03 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SB[Steering Board] SB --> CC[Commercial Committee] SB --> TC[Technical Committee] SB --> LAC[Legal Advisory Committee] TC --> DIWG[Distribution and Interfaces WG] TC --> SEWG[System Evaluation WG] TC --> SCWG[Source Coding WG] TC --> PLCWG[Power Line Communication WG] TC --> CCMWG[Channel Coding Multiplex & Modulation WG] TC --> RWG[Receiver WG] TC --> MWG[Monitoring WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Decided to extend the DRM (Digital Radio Mondiale) system to operate in the broadcasting bands below 120 MHz DRM has near-FM sound quality plus the ease-of-use that comes from digital transmissions | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> http://www.drm.org/drm-the-system/drm-specifications/ | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Total number of members: 98 Names of main members and their countries <ul style="list-style-type: none"> British Broadcasting Corporation, NEC Corporation, Panasonic Automotive Systems Europe GmbH, Philips Semiconductors | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, IEC, ETSI | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> DRM Project Office P.O. Box 360 CH-1218 Grand-Saconnex Geneva, Switzerland URL and telephone number <ul style="list-style-type: none"> URL: http://www.drm.org, TEL: +49 228 429 3510 | | |

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| Name of Forum | DSL Forum (Digital Subscriber Line) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1994 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Tech[Technical Committee] Board --> Mkt[Marketing Committee] Tech --> ATWG[Architecture & Transport WG] Tech --> ONM[Operations & Network Management WG] Tech --> TI[Testing & Interoperability WG] Tech --> DSLHT[DSLHome-Technical WG] Mkt --> BPSW[Best Practices/Summit WG] Mkt --> DFWA[DSL Forum Ambassadors WG] Mkt --> DSLHM[DSLHome-MarketingWG] Mkt --> EMFG[European Market Focus Group] Mkt --> SCW[Strategic Communications WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop the full potential of DSL to meet the broadband needs of the mass market Define the core Digital Subscriber Line technology to establish advanced Architecture standards, and maximize effectiveness in deployment, reach and application support Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture & Transport: To oversee and coordinate all architecture and transport-related technical work within the Forum DSLHome-Technical: Provide the DSL industry technical specifications that define the devices in the DSL broadband Home and ease the deployment and management of broadband services Operations & Network Management: Provide recommendations for operational, network management, and process aspects of DSL-based broadband access Testing & Interoperability: To develop functional and performance test plans for cross-vendor interoperability | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Refer to Website: http://www.dslforum.org/trlist/trlist.php | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 200 Names of main members and their countries 3com, Agilent Technology, Ericsson, Microsoft, Motorola | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Technical Liaison: IETF, ATIS IIF, ITU-T Study Group 15, UPnP, DLNA | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) DSL Forum 39355 California Street Suite 307 Fremont, CA 94538 URL and telephone number URL: http://www.dslforum.org, TEL: +1 510 608 5905 | | |

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| Name of Forum | DVB (Digital Video Broadcasting Project) | | |
| Active Purpose | Development of pre-standards | Established Date | 1993.09 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph LR GA[General Assembly] --- SB[Steering Board] SB --- DPO[DVB Project Office] SB --- CM[Commercial Module] SB --- TM[Technical Module] SB --- PCM[Promotion & Communication Module] SB --- IPRM[IPR Module] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To make specifications for digital media delivery systems, including broadcasting (originally of European origin but now worldwide) To develop a complete suite of digital satellite, cable, and terrestrial broadcasting technologies which are turned into standards by international standards bodies such as ETSI or CENELEC Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Commercial Module – where a set of Commercial Requirements is drawn up for each proposed DVB work item Technical Module – the "engine room" of the DVB Project, where the technical specifications are drawn up Intellectual Property Rights Module – oversees all aspects of DVB's crucial IPR policy as enshrined in the DVB MoU | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) DVB-T2, DVB CMC (Content Protection Copy Management) refer to website (http://www.dvb.org/technology/standards) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: EUR 10'000 Total number of members: 282 Names of main members and their countries BBC, France Telecom, Fuji TV, Motorola, Nokia | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ETSI, CENELEC, EBU (Europe Broadcasting Union), etc. | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> DVB Project Office 17a Ancienne Route CH-1218 Grand-Saconnex Geneva Switzerland URL and telephone number <ul style="list-style-type: none"> URL: http://www.dvb.org, TEL: +41 22 717 2727 | | |

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| Name of Forum | DVD Forum (Digital Versatile Disc) | | |
| Active Purpose | Development of pre-standards | Established Date | 1997.09 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <p style="text-align: center;">DVD Forum - Organization</p> <pre> graph TD GM[General Meeting] --- PM[Principal Members (WG Participants)] GM --- AM[Associate Members (Information)] GM --- SO[Secretary Office] SO --- SC[Steering Committee] SC --- CS[China Subcommittee] SC --- RPC[RPC* Subcommittee] SC --- HDV[HD DVD-Video Signed Application Subcommittee] SC --- TCG[Technical Coordination Group (TCG)] SC --- VPC[Verification Policy Committee (VPC)] SC --- PCC[Promotion & Communication Committee (PCC)] SC --- FLAG[Format/Logo Advisory Group (FLAG)] SC --- MPC[Membership Policy Committee (MPC)] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To exchange and disseminate ideas and information about the DVD Format and its technical capabilities, improvements and innovations Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WG 1: DVD Video/Audio Appliances WG 2: Physical Specification for DVD ROM WG 3: File system Specification for DVD DISC WG 5: Physical Specification for DVD RAM WG 6: Physical Specification for DVD R/RW WG 9: Copy Rights Protection WG 11: Blue Lasers DVD WG 12: Network Appliance | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Compatibility Implementation Guidelines Version 1.0 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Member (JPY 10'000), Associated Member (JPY 3'000) Total number of members: 220 Names of main members and their countries <ul style="list-style-type: none"> Hitachi, Ltd. Intel Corporation, Sony Corporation | | |
| Cooperative Relationships | - | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> DVD Forum Daimon Urbanist Bldg. 6F 2-3-6, Shibadaimon Minato-ku, Tokyo 105-0012 Japan URL and telephone number <ul style="list-style-type: none"> URL: http://www.dvdforum.org, TEL: +81 3 5777 2881 | | |

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| Name of Forum | ECMA (European Computer Manufacturer's Association) | | |
| Active Purpose | Development of pre-standards | Established Date | 1961 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- MC[Management & Coordinating Committee] GA --- TC[Technical Committee] GA --- Sec[Secretariat] TC --- TC12[TC12 : Safety] TC --- TC15[TC15 : Volume & file Structure] TC --- TC20[TC 20 : EMC & EMF] TC --- TC26[TC26 : Acoustics] TC --- TC31[TC31 : Optical disk & disk cartridges] TC --- TC32[TC32 : Communication, Network System Interconnection] TC --- TC38[TC38 : Product-related environmental attributes] TC --- TC39[TC39 : Programming and scripting languages] TC --- TC43[TC43 : Universal 3D (U3D)] TC --- TC44[TC44 : Holographic Information Storage Systems (HISS)] TC --- TC45[TC45 : Office Open XML Formats] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop, in cooperation with the appropriate National, European and International organizations Standards and Technical Reports in order to facilitate and standardize the use of Information and Communication Technologies (ICT) and Consumer Electronics (CE) Work Group Characteristics and Deliverables <ul style="list-style-type: none"> TC12 (Product Safety): to establish appropriate safety standards for information technology equipment TC20 (Electromagnetic Compatibility and Electromagnetic Fields related to ICT and CE equipment) TC32 (Computer application Communication, network, IP Multimedia, NFC) TC39 (develop a standard for the dynamic scripting language ECMAScript) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> ECMA-368 High rate ultra wideband PHY AND MAC Standard 2nd Version | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: CHF 70'000 Total number of members: 84 Names of main members and their countries <ul style="list-style-type: none"> ADOBE, Microsoft, Ericsson | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T (A.4, A.5), ISO/IEC JTC 1 P member, ETSI | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Ecma International Rue du Rhône 114 CH-1204 Geneva Switzerland URL and telephone number <ul style="list-style-type: none"> URL: http://www.ecma-international.org, TEL: +41 22 849 6000 | | |

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| Name of Forum | EDIFICE (EDI Forum for Companies with Interest in Computing and Electronics) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1986 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Task[Task Group] Board --> User[User Group] Task --> Business[Business Area TG] Task --> Support[Support TG] Business --> ADC[Automatic Data Capture (ADC)] Business --> Billing[Billing/Self-Billing] Business --> FIM[Forecast and Inventory Management (FIM)] User --> Rosetta[RosettaNET UG] User --> UN[UN/EDIFACT UG] Rosetta --> P&M[Portals & Marketplaces (P&M)] Rosetta --> PCN[Product Change Notification (PCN)] UN --> S&D[Supplier/Distributor (S&D)] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> EDIFICE is the European User Group for the Electronics Industry and supports and promotes those Industry Standards related to XML, EDI Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Automatic Data Capture (ADC) Billing Distribution Channel Management (DCM) Forecast and Inventory Management (FIM) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Pre-Ordering, Forecasting and Inventory Management, Ordering Physical distribution, Automatic Data Capturing and RFID, Distribution Channel Management, Billing/Self-Billing, Payments, Portals and Marketplaces Product Change Notification, EDI over the Internet, XML/EDI | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: EUR 2'000 Total number of members: 56 Names of main members and their countries <ul style="list-style-type: none"> Alcatel, AMD, Cisco Systems, Ericsson, HP, Intel, Oracle | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO/IEC, ANSI, UN/CEFACT, RosettaNet, EIDX ETC | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> C&F bvba – Tiensestraat 2 3320 Hoegaarden Belgium URL and telephone number <ul style="list-style-type: none"> URL: http://www.edifice.org, TEL: +32 16 76 54 70 | | |

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| Name of Forum | EMF (European Multimedia Forum) | | |
| Active Purpose | Others | Established Date | 1994 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <ul style="list-style-type: none"> N/A | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To facilitate contacts and knowledge exchange, provide an international support network and encourage the expansion of European enterprises Work Group Characteristics and Deliverables <ul style="list-style-type: none"> To offer a set of high value-added services to the digital media industries through events and a qualified network of associations and professionals | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: EUR (150 ~ 2'000) Total number of members: 297 Names of main members and their countries <ul style="list-style-type: none"> BTInfo, Develter Innovation, Extended Media | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> European Office: 55, rue Hector Denis B – 1050 Brussels URL and telephone number <ul style="list-style-type: none"> URL: http://www.e-multimedia.org, TEL: +32 2 219 0305 | | |

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| Name of Forum | ENUM Forum | | |
| Active Purpose | Others | Established Date | 2001.10 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <ul style="list-style-type: none"> N/A | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Activities of Specification for the ENUM Implementations Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture and Infrastructure WG Provisioning WG Application WG Security and Privacy WG Internetworking WG | | |

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| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 78 Names of main members and their countries <p>– AT&T, Cisco, Lucent, HP, CNNIC, VeriSign, NTT, ETRI</p> |
| Cooperative Relationships | – |
| IPR policy | – |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <p>– N/A</p> <ul style="list-style-type: none"> URL and telephone number <p>– URL: http://www.enum-forum.org, TEL: +1 650 576 6305</p> |

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|--------------------------|--|------------------|-----------|
| Name of Forum | EPCglobal Network | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2003.11.1 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <p style="text-align: center;">Organizational Structure</p> <p style="text-align: center;">Virtual Organization 2,500+ Individuals</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <p>– Development of industry-driven standards for the Electronic Product Code™ (EPC) to support the use of Radio Frequency Identification (RFID) in today's fast-moving, information rich, trading networks</p> <ul style="list-style-type: none"> Work Group Characteristics and Deliverables <p>– Hardware Action Group (HAG): defines the interfaces between hardware components – primarily Radio Frequency Identification (RFID) tags and readers – in the EPCglobal Network</p> <p>– Software Action Group (SAG) defines the software functionality and interface standards for the EPCglobal Network and how these elements interact with distributed enterprise systems</p> | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <p>– ALE1.1. TLS BAG, etc.</p> | | |

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| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: – • Names of main members and their countries: – • – |
| Cooperative Relationships | <ul style="list-style-type: none"> • GS1, MIT Auto ID, etc. |
| IPR policy | <ul style="list-style-type: none"> • Available – Refer to Website: http://www.epcglobalinc.org/what/ip_policy/ |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – EPCglobal US, Princeton Pike Corporate Center 1009 Lenox Drive, Suite 202, Lawrenceville, NJ 08648 • URL and telephone number – URL: http://www.epcglobalinc.org, TEL: +1 609 620 4549 |

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| Name of Forum | ERTICO (The organization for intelligent transport system in Europe) | | |
| Active Purpose | Others | Established Date | 1999 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <ul style="list-style-type: none"> • N/A | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – Facilitate the safe, secure, clean, efficient and comfortable mobility of people and goods in Europe through the widespread deployment of ITS. • Work Group Characteristics and Deliverables – Safety: ensuring the safety of all road users – Security: applying ITS technologies to make mobility more secure – Efficiency & Environment: enhancing the efficiency of the transport network and making it more environmentally friendly – National and International Cooperation: bringing together the European ITS community | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: 114 • Names of main members and their countries – Honda Motor Europe, Mitsubishi Electric Automotive Europe, Volkswagen | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • N/A | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – ITS Europe Blue Tower 326 Avenue Louise B-1050 Brussels Belgium • URL and telephone number – URL: http://www.ertico.com, TEL: +32 (0)2 400 0700 | | |

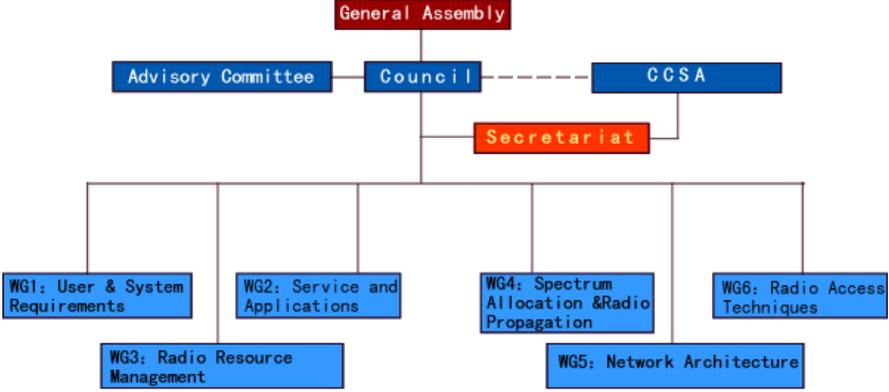
| | | | |
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| Name of Forum | Ethernet Alliance | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2006.1.10 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <div style="text-align: center;"> <p>Board of Directors</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> President, Brad Booth – AMOC Treasurer, Thomas Scheibe – CISCO Secretary, Val Oliva – Foundry Networks David Law – 3Com Yong Kim – Broadcom Stephen Garrison – Force10 Networks Robert Hays – Intel Dan Dove – ProCurve Networking Eric Ryu – Samsung Dilip Modi – Sun Microsystems </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Marketing Committee Chair and VP of marketing Blaine Kohl – Tehuti networks</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Technical Committee Chair Harpreet Chadha – Extreme networks</p> </div> </div> <p style="font-size: small; margin-top: 5px;">Y.Suppl.8(10)_F06</p> </div> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Sponsors activities that demonstrate the technical viability and usability of Ethernet technologies to consumers and smooth barriers to adoption Provides a cohesive voice to clearly explain Ethernet projects, develops broad company participation amongst member companies, coordinates efforts amongst Ethernet technologies, and positions Ethernet's co-existence with complimentary technologies. Positions Ethernet into evolving markets, and demonstrates Ethernet's viability in those new markets and applications Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical Committee Marketing Committee | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Member (USD 10'000) Total number of members: 61 Names of main members and their countries 3COM, Cisco Systems, Intel Cor. SUN | | |
| Cooperative Relationships | <ul style="list-style-type: none"> IEEE802.3 | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) PO Box 200757 Austin, TX 78720-0757 USA URL and telephone number URL: http://www.ethernetalliance.org/home, TEL: +1.512.363.9932 | | |

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|---------------------------|--|------------------|------|
| Name of Forum | FCIA (Fibre Channel Industry Association) | | |
| Active Purpose | Development of pre-standards | Established Date | 1999 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <ul style="list-style-type: none"> • N/A | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – Is committed to delivering a broad base of Fibre Channel infrastructure technology to support a wide array of applications within the mass storage and IT-based arenas – Fibre Channel Industry Association (FCIA) established the SANmark Qualified Program to provide objective indicators of how Fibre Channel products perform against reasonable quality and interoperability standards and to permit the use of the trademarked term "SANmark", and any associated logo(s) <p>SANmark Qualified Program goals are:</p> <ul style="list-style-type: none"> – Make Fibre Channel solutions easy to use, easy to install, manage, configure, diagnose, and troubleshoot – Ensure that Fibre Channel continues to attain the highest performance and "installed base maturity" available in the market – Proliferate heterogeneous shared SAN resources and heterogeneous management framework over WAN connections | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – | | |
| Membership and Fee | <ul style="list-style-type: none"> • Annual membership fee: N/A • Total number of members: 35 • Names of main members and their countries – Cisco Systems, HP, Hitachi, IBM | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Liaison: T11, SNIA | | |
| IPR policy | <ul style="list-style-type: none"> • N/A | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – PO Box 200757 Austin, TX 78720-0757 USA • URL and telephone number – URL: http://www.fibrechannel.org, TEL: +1 415 561 6270 | | |

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| Name of Forum | Femto Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 2007.7.2 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <p>The diagram shows a grid structure for the Femto Forum's organizational structure. It consists of four columns representing Work Groups (WG 1 to WG 4) and four rows representing different activity areas. The columns are: WG 1 Marketing & Promotion, WG 2 Radio and Physical Layer, WG 3 Network and Interoperation, and WG 4 Regulatory. The rows are: Standards, Requirements, Usage Cases, and Business Cases. Each cell in the grid is represented by a yellow rounded rectangle.</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Our strategic goal is global recognition of femto technologies as the <i>de facto</i> solution for mobile coverage in the home and to drive worldwide take-up of such technologies Work Group Characteristics and Deliverables <ul style="list-style-type: none"> The marketing and promotion group is looking at how the industry should best position femtocells within the industry and to the wider public, build usage cases, agree on common terminology and manage any potential concerns The radio and physical layer group is developing standardized RF interfaces, clarifying the various capability classes of femtocell and examining interactions with outdoor cells The network and interoperability group is promoting standardized requirements, architectures and interfaces for integrating femtocells into the network core and ensuring multi-vendor interoperability The regulatory group identifies regulatory benefits and potential issues pertaining to public policy in various strategic markets around the world and works with regulators to ensure a benign environment for rapid and efficient femtocell deployment | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Foundation of Forum | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (GBP 7'500), Board Member (GBP 14'600) Total number of members: 57 Names of main members and their countries <ul style="list-style-type: none"> Cisco Systems, Softbank, Vodafone | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> The Femto Forum PO Box 23 GL11 5WA UK URL and telephone number <ul style="list-style-type: none"> URL: http://www.femtoforum.org, TEL: +44 (0)20 7981 9778 | | |

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| Name of Forum | FLO Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2005.06 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <p style="text-align: center;">FLO Forum Organizational Structure</p>  <pre> graph TD OSD([Office of the Secretariat]) --- BD[Board of Directors] BC[Board Committees] --- BD BD --- WCA[Working Committee Advisory] WCA --- TC[Technical Committee] WCA --- TCC[Test and Certification Committee] WCA --- SCC[Services and Content Committee] TC --- RC[Regulatory Committee] TCC --- ECC[External Communications Committee] SCC --- ECC BC --- M[Membership] BC --- L[Liaison] BC --- FA[Finance & Audit] BC --- AH[Ad Hoc (as needed)] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Focus on making FLO technology a global standard: from setting guidelines for testing and certification of equipment using FLO technology, to serve as a resource for information about FLO technology and FLO-compliant products Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Focus and accelerate efforts to make FLO technology a standard to increase market acceptance, remove regulatory hurdles, and promote industry buy-in resulting in reduced overall implementation costs Act as a resource for information about FLO technology and FLO-compliant Products Set guidelines for the test and certification of equipment using FLO technology Provide a cross-functional group to assist in the rapid adoption and acceptance of FLO technology across all parties involved in the delivery of FLO services | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 4'500 ~ 18'500 Total number of members: 94 Names of main members and their countries <ul style="list-style-type: none"> Agilent Technologies, Inc., Motorola Inc., KDDI | | |
| Cooperative Relationships | <ul style="list-style-type: none"> TIA TR47, ETSI, ITU-T, MPEG Industry Forum, OMA, GCF, ATSC, etc. | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 48377 Fremont Boulevard, Suite 117 Fremont, CA 94538 URL and telephone number <ul style="list-style-type: none"> URL: http://www.floforum.org, TEL: +1 510 492 4070 | | |

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| Name of Forum | FSAN (Full Service Access Networks) Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 1995 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph LR A[Board of Directors] --- B[Optical Access Network WG] B --- C[Interoperability Task Group] B --- D[Next Generation Access Task Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To facilitate the creation of suitable access network equipment standards and hence reduce the price of affordable equipment. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Interoperability Task Group – Next Generation Access (NGA) task group: studying the evolution of optical access systems beyond GPON | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – G-PON, and B-PON Passive Optical Networking | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: N/A (Operator Membership, Vendor Membership) • Total number of members: 46 • Names of main members and their countries <ul style="list-style-type: none"> – Bell, BT, NTT, Verizon | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Liaison: ITU-T | | |
| IPR policy | <ul style="list-style-type: none"> • N/A | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – FSAN does not have a formal secretariat or supporting organization • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.fsanweb.org, TEL: +1 609 620 4549 | | |

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| Name of Forum | FuTURE Mobile Communication Forum | | |
| Active Purpose | Others | Established Date | 2005.10.17 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure |  <p style="text-align: center;">FuTURE FORUM Organization Structure</p> <p>The diagram shows a hierarchical structure. At the top is the General Assembly (red box). Below it are the Advisory Committee, Council, and CC SA (blue boxes). The Council is connected to the Secretariat (orange box). Below the Council and Secretariat are six Working Groups (blue boxes): WG1: User & System Requirements, WG2: Service and Applications, WG3: Radio Resource Management, WG4: Spectrum Allocation & Radio Propagation, WG5: Network Architecture, and WG6: Radio Access Techniques.</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> To establish and develop an open, neutral, fair and just international platform to serve the research and development of future mobile communication technologies Clarify the vision of future mobile communication development Assess new trends and new technologies, promote the research in future mobile communication field Realize the sustainable development of mobile communication all over the world Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WG1 User and System Requirements WG2 Service and Applications WG3 Radio Resource Management WG4 Mobile Radio Spectrum and Propagation WG5 Network Architecture WG6 Radio Access techniques | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) White paper | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 30 Names of main members and their countries <ul style="list-style-type: none"> Siemens, Nokia, Samsung, Huawei, DTT | | |
| Cooperative Relationships | <ul style="list-style-type: none"> MoU: NGMC Forum (Korea), MITF (Japan) | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Room 1409-10, Building A, No. 6 St. Zhichunlu Haidian District, Beijing, P.R. China (100088) URL and telephone number <ul style="list-style-type: none"> URL: http://www.future-forum.org/cn, TEL: +86 10 82800433-34 or 35 | | |

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| Name of Forum | GS1 | | |
| Active Purpose | Others | Established Date | 1983 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <p style="text-align: center;">The New Organisational Structure</p> <pre> graph TD GA[GS1 General Assembly] --> GS1Org[GS1 Organisation] GS1Org --- GMB[GS1 Management Board] GS1Org --- LGS1B[Local GS1 Boards] GS1Org --- GGO[GS1 Global Office] GS1Org --- EPC[EPCglobal Inc.] GS1Org --- GDSN[GS1 GDSN Inc.] LGS1B -.-> LGS1O[Local GS1 Organisations] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> The design and implementation of global standards and solutions to improve the efficiency and visibility of supply and demand chains globally and across sectors Work Group Characteristics and Deliverables <ul style="list-style-type: none"> The allocation of unique numbers – the basis for the complete range of standards Providing training and support for: <ul style="list-style-type: none"> BarCodes: Numbering and bar coding eCom – EDI (Electronic Data Interchange) Global Data Synchronization Network (GDSN) – data synchronization EPCglobal – RFID (Radio Frequency Identification) Supplying information on the standards and the continuing evolution of the GS1 System through the Global Standards Management Process (GSMP) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) GDSN, GSMP, etc. | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 100 Names of main members and their countries <ul style="list-style-type: none"> Wegman's Food Markets, Inc. Procter & Gamble Company | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO/IEC JTC 1 SC31, UN/EDIFACT, GCI, ISBN, AIM, etc. | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Blue Tower, Avenue Louise, 326 BE 1050 Brussels Belgium URL and telephone number <ul style="list-style-type: none"> URL: http://www.gs1.org/, TEL: +32 2 788 7800 | | |

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| Name of Forum | GSMA (Global System for Mobile communication Association) | | |
| Active Purpose | Others | Established Date | 1987 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <p style="text-align: center;"> <small>그림 : http://www.gsmworld.com/about/people/groupchair.shtml 참조</small> </p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Promoting and developing the GSM platform for global mobile Communications. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Billing and Accounting Roaming Group (BARG) Interworking Roaming Expert Group (IREG): specifies technical, operational and performance issues supporting international roaming, taking into account 3G GSM evolutions. Security Group (SG): to maintain and develop GSM Association algorithms and protocols, technical security aspects of customer apparatus and to examine and recommend infrastructure solutions Service Review Group (SRG): to develop service requirements from GSM operators on GSM and 3rd Generation, taking into account billing and customer care issues | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Membership, Associate Membership Total number of members: 924 (Full: 718, Associate: 206) Names of main members and their countries <ul style="list-style-type: none"> Alcatel, Cisco Systems, Inc, Ericsson AB, France Telecom, HP | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T A.4 | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 1st Floor mid city place 71 high holborn London URL and telephone number <ul style="list-style-type: none"> URL: http://www.gsmworld.com, TEL: +44 (0)20 7759 2300 | | |

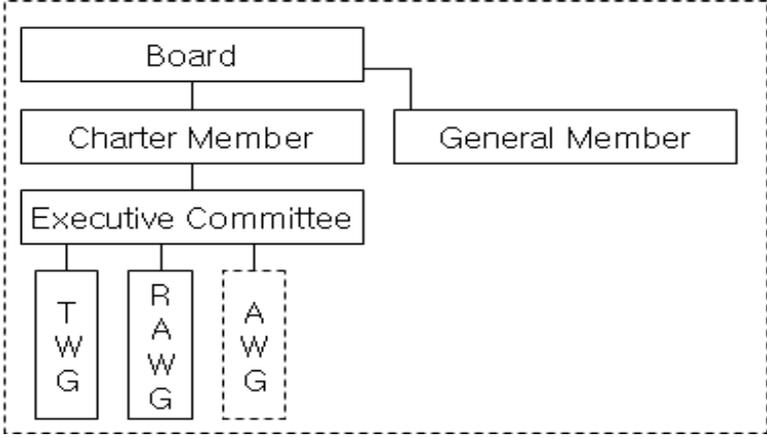
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| Name of Forum | HANA (High Definition Audio-Video Network Alliance) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2005.10 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Tech[Technical WG] Board --> Bus[Business WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To create standards-based solutions to facilitate commercial deployment of connected products and services that will enhance the consumer HD entertainment experience • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – User Case Sub-Group – User Interface Sub-Group – Specification Sub-Group – Content Protection Sub-Group – Audio Sub-Group | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – HANA Product Phase 2 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Contributor Membership (USD 15'000), Adopter Membership (USD 5'000) • Total number of members: 37 • Names of main members and their countries <ul style="list-style-type: none"> – IBM, NBC Broadcasting, Sun Microsystems | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Liaison: 1394 TA | | |
| IPR policy | <ul style="list-style-type: none"> • N/A | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – High-Definition Audio-Video Network Alliance c/o HANA Administration 3855 SW 153rd Drive Beaverton, Oregon 97006 • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.hanaalliance.org, TEL: +1 (503) 619 0859 | | |

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| Name of Forum | HAVi (Home Audio Video Interoperability) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1999.12 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- OMCO[Outsourced Management Company] OMCO --- MG[Marketing Group] OMCO --- MS[Membership Sub-Group] OMCO --- PERS[PR- Events Sub-Group] OMCO --- PS[Program Sub-Group] OMCO --- TSG[Technical Steering Group] TSG --- TMWG[Technical Maintenance WG] TSG --- CGWG[Compliance Guideline WG] TSG --- PSWG[Printer System WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote a network architecture for Home Audio Video Interoperability. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> User Case Sub-Group User Interface Sub-Group Specification Sub-Group Content Protection Sub-Group Audio Sub-Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> HAVi version 1.1 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Profit Membership (USD 10'000), Non-Profit Membership (USD 2'500) Total number of members: 13 Names of main members and their countries <ul style="list-style-type: none"> Hitachi, Sony, Texas Instrument | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> HAVi Organization Bishop Ranch 2 2694 Bishop Drive, Suite 275 San Ramon, CA 94583, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.havi.org, TEL: + 1 925 275 6690 | | |

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| Name of Forum | HGI (Home Gateway Initiative) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2004.12 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> WG[Working Group] WG --- BG[Business Group] WG --- HGA[Home Gateway Architecture and Security] WG --- ATF[Architectural Task Force] WG --- E2E[End to end Architecture and Quality of Service] WG --- RDM[Remote operations and device management] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To produce and downstream requirements for a residential gateway enabling end-to-end delivery of services To work with manufacturers in order to leverage volumes, to validate with manufacturer against uses cases and requirements, to ensure interoperability To take as a basis the work undertaken within existing bodies and analyse gaps with respect to its requirements Work Group Characteristics and Deliverables <ul style="list-style-type: none"> HG Architecture and Security WG QoS WG RDM (Remote Operations and Device Management) WG | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) HGI Version 1.0 (2006) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Membership (EUR 7000), Associate Membership (EUR 3500) Total number of members: 63 Names of main members and their countries <ul style="list-style-type: none"> BT, Microsoft TV, Ericsson, Philips, Siemens | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, DSL Forum, DLNA, OSGi Alliance, TM Forum, DVB, etc. | | |
| IPR policy | <ul style="list-style-type: none"> Available (FRAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 650 Route des Lucioles 06921 Sophia Antipolis France URL and telephone number <ul style="list-style-type: none"> URL: http://www.homegatewayinitiative.org, TEL: +33 492 94 49 71 | | |

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| Name of Forum | HomePNA (Home Phoneline Networking Alliance) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1998.06 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --- B[Technical Committee] B --- C[Study Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Develops triple-play home networking solutions for distributing entertainment data over both existing coax cable and phone lines • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Take the feature-rich, in-home multimedia experience mainstream through a simple and affordable home network solution based on existing home wiring – Provide an inherently scalable network that can carry VoIP and Internet data while maintaining video (IPTV) quality of experience throughout the home – Provide the capacity and performance to enable carrier-grade delivery of multiple standard and high-definition video (IPTV) and data (voice and Internet) streams, while also enabling video broadcast from local sources such as personal video recorders – Create a seamless, reliable home network that requires no consumer configuration or maintenance and provides service providers with remote management capabilities – Achieve industry standardization and interoperability – Coexist with all available and emerging home Internet access solutions | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Home PNA 3.1 (2006.12) | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Adopter Member (USD 5'000), Participating Member (USD 1'000) • Total number of members: 41 • Names of main members and their countries – 3Com, AMD, AT&T, Wireless Services, COMPAQ, Conexant, Epigram, HP, IBM, INTEL | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • IEEE802.3 | | |
| IPR policy | <ul style="list-style-type: none"> • Available (FRAND) | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – HomePNA, Bishop Ranch 6, 2400 Camino Ramon, Suite 375, San Ramon, CA 94583 • URL and telephone number – URL: http://www.homepna.org, TEL: +1 925 275 6620 | | |

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| Name of Forum | ICANN (Internet Corporation for Assigned Names and Numbers) | | |
| Active Purpose | Others | Established Date | 1998.10 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Promotes competition and develops policy on the Internet's unique identifiers. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Address Supporting Organization: Study on IP Address system Country code Names Supporting Organization: There is one policy-development body for a narrow range of global issues regarding country code top-level domains (ccTLD) within the ICANN structure. Generic Names Supporting Organization: Study on Domain Name system | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: – Names of main members and their countries NIDA, KT (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Internet Corporation for Assigned Names and Numbers (ICANN) 4676 Admiralty Way, Suite 330 Marina del Rey, CA 90292-6601 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.icann.org, TEL: +1 310 823 9358 | | |

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| Name of Forum | IDF (International DOI Foundation) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1998.03 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Digital Contents | | |
| Organizational Structure |  <pre> graph TD Board[Board] --- CM[Charter Member] Board --- GM[General Member] Board --- EC[Executive Committee] EC --- TWG[TWG] EC --- RAWG[RAWG] EC --- AWG[AWG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> the development and promotion of the DOI (Digital Object Identifier) System as a common infrastructure for content management ** Digital Object Identifier (DOI®) System is for identifying content objects in the digital environment Work Group Characteristics and Deliverables <ul style="list-style-type: none"> TWG (Technical WG) RAWG (Registration Agency WG) AWG (Application WG) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) RMD (Resource Metadata Declaration) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Charter Member (USD 70'000), General Member (USD 35'000), Affiliate Member (USD 5'000), Total number of members: 6 Names of main members and their countries <ul style="list-style-type: none"> Elsevier, John Wiley&Sons, Springer SBM, ACM, IEEE, CCC | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO/IEC JTC 1 SC29, NISO, EDIt EUR | | |
| IPR policy | <ul style="list-style-type: none"> Available (Royalty Free) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> International DOI Foundation, Inc., Linacre House, Jordan Hill Oxford OX2 8DP United Kingdom URL and telephone number <ul style="list-style-type: none"> URL: http://www.doi.org, TEL: +44 (0) 1865 314033 | | |

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| Name of Forum | IDPF (International Digital Publishing Forum) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2000 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to digital contents | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> WG[Working Group] Board --> SIG[Special Interest Group] WG --> OEBPS_CF[OEBPS Container Format WG] WG --> OEBPS_WG[OEBPS WG] WG --> PS_WG[Publication Structure WG] WG --> RR_wG[Rights & Rules wG] WG --> MI_WG[Metadata & Identifiers WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Providing a forum for the discussion of issues and technologies related to electronic books. Developing, publishing, and maintaining common specifications relating to electronic books and promoting the successful adoption of these specifications. Promoting industry-wide participation of electronic publishing through training sessions, guidelines, and demonstrations of proven technology Work Group Characteristics and Deliverables <ul style="list-style-type: none"> OEBPS Container Format Working Group OEBPS Working Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> OEBPS Container Format V1.0 (2006) Open Publication Structure (OPS) 2.0 (2007) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Profit Member (USD 3'000 ~ 10'000), Non-profit Member (USD 650) Total number of members: 105 Names of main members and their countries <ul style="list-style-type: none"> Adobe Systems Incorporated Amazon.com, Microsoft Corporation, SONY | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> International Digital Publishing Forum 302 A West 12th Street, #304 New York, NY 10014 URL and telephone number <ul style="list-style-type: none"> URL: http://www.idpf.org, TEL: +1 212 924 9081 | | |

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| Name of Forum | IEEE RAS (Robotics and Automation Society) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Intelligent Robotics | | |
| Organizational Structure | <pre> graph TD IEEE[IEEE] --> ISO[ISO] IEEE --> IEC[IEC] IEEE --> ICU[ICU] IEEE --> ISO IEEE --> IEC IEEE --> ICU IEEE --> IEEE_SOS[IEEE Standards Office] IEEE --> IEEE_RAS[IEEE Robotics and Automation Society] IEEE_SOS --> ISO IEEE_SOS --> IEC IEEE_SOS --> ICU IEEE_RAS --> IAB[Industrial Activity Board IAB] IAB --> National_IABs[National IABs] National_IABs --> Standards_Committee[Standards Committee] Standards_Committee --> Roadmap_TF[Roadmap T/F] Roadmap_TF --> Industry_Forum[Industry Forum] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> The society strives for the advancement of the theory and practice of robotics and automation engineering and science and of the allied arts and sciences Work Group Characteristics and Deliverables <ul style="list-style-type: none"> TAB (Technical Activities Board): research content of the Robotics and Automation Society, tracking technical developments and encouraging innovation in: applications, theory, models, metrics, experiments, architectures, products, initiatives, and other technical areas | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 350 Total number of members: 13 Names of main members and their countries <ul style="list-style-type: none"> Texas A&M Univ., University of California – Berkeley, University of Waseda | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IEEE Member Services, 445 Hoes Lane, Piscataway NJ 08855 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.ieee-ras.org, TEL: +1 (800) 678-IEEE (US/Canada) or +1 732 562 0060 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | IEEE 802 (Institute of Electrical and Electronics Engineers) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1980.02 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Development of LAN/MAN/WRAN Standards Work Group Characteristics and Deliverables <ul style="list-style-type: none"> 802.1 (Higher Layer LAN Protocols Working Group) 802.3 (Ethernet Working Group) 802.11 (Wireless Local Area Network Working Group) 802.15 (Wireless Personal Area Network Working Group) 802.16 (Broadband Wireless Access Working Group) 802.20 (Mobile Broadband Wireless Access (MBWA) Working Group) 802.21 (Media Independent Handoff Working Group) 802.22 (Wireless Regional Area Networks) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Audio/Video Bridging, Higher speed Ethernet, etc. | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 350 Total number of members: – Names of main members and their countries Activities on Private member | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IEEE Operations Center 445 Hoes Lane, Piscataway, New Jersey 08854-1331 USA URL and telephone number <ul style="list-style-type: none"> URL: www.ieee802.org, TEL: +1 732 981 0060 | | |

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|---------------------------|--|------------------|------|
| Name of Forum | IETF (Internet Engineering Task Force) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1986 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD ISOC[ISOC] --- IAB[IAB] IAB --- IRTF[IRTF] IAB --- RFC[RFC Editor] IAB --- IESG[IESG] IAB --- IANA[IANA] IESG --- IETF[IETF] IETF --- App[Application Area] IETF --- Rout[Routing Area] IETF --- Gen[General Area] App --- Int[Internet Area] App --- OM[Operation & Management Area] Rout --- Sec[Security Area] Gen --- RTA[Real-Time Application Area] Trans[Transport Area] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To produce high quality, relevant technical and engineering documents that influence the way people design, use, and manage the Internet in such a way as to make the Internet work better. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Application Area (9 WG) Routing Area (15 WG) General Area (1 WG) Internet Area (27 WG) Security Area (17 WG) Real-time Application Area (16 WG) Operation and Management Area (17 WG) Transport Area (13 WG) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Proxy Mobile IPV6, 6Lowpan packet Format | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 500 Total number of members: – Names of main members and their countries Activities on Private member | | |
| Cooperative Relationships | <ul style="list-style-type: none"> IEEE802, ISO/IEC, T1, etc. | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IETF Secretariat c/o Corporation for National Research Initiatives 1895 Preston White Drive, Suite 100 Reston, VA 20191-5434 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.ietf.org, TEL: +1 703 620 8990 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | IFR (The International Federation of Robotics) | | |
| Active Purpose | Others | Established Date | 1987.01 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Intelligent Robotics | | |
| Organizational Structure | <p>The organizational chart for IFR shows the following structure:</p> <ul style="list-style-type: none"> IFR Organization (top level) Executive Board (President: Stefan Mueller, Vice-President: OPEN) General Secretariat (General Secretary: Gudrun Litzenberger) Statistical Department (Chair: Gudrun Litzenberger) Working Groups: <ul style="list-style-type: none"> Industrial Robot Suppliers (Chair: Ake Lindqvist) Service Robot Suppliers (Chair: Martin Haegele) General Assembly (includes Industry Association Members and R&D Institutes) Partners (connected to the General Assembly) Research Committee (Chair: R D Schraft) | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote research, development, use and international cooperation in the entire field of robotics, and to act as a focal point for organizations and governmental representatives in activities related to robotics. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Acts as the primary resource for worldwide surveys, studies, statistical data on use of robotics. Sponsor of the annual International Symposium on Robotics. Cooperates in establishing International Standards. Stimulates research and development in the field of emerging robotics technologies. Establishes relations and active cooperation with other national and international organizations. Promotes the application and diffusion of robotics through the cooperation with manufacturers, end-users, universities and other interested organizations | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Major Member (EUR 3300), Regular Member (EUR 1100), Supporting Member (EUR 1300), Affiliate Member (EUR 350) Total number of members: 58 Names of main members and their countries <ul style="list-style-type: none"> SYMAP, IPA, SIRI Italian assoc of robotics, JARA | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO TC184 | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IFR Secretariat c/o Symap45, rue Louis-Blanc 92038 Paris La Défense Cedex URL and telephone number <ul style="list-style-type: none"> URL: http://www.ifr.org, TEL: +33 1 47 17 67 07 | | |

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| Name of Forum | IMS Forum (Internet Multimedia Subsystem) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2006.02 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD IMSForum[IMS Forum] --> IMSWG[IMS technical working group] IMSForum --> GMEG[Global marketing and education group] IMSWG --> CA[Consultancy and advisory] IMSWG --> SG[Study group] GMEG --> ACDG[Analyst community development group] GMEG --> GRG[Governance and regulatory group] </pre> <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F07</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To accelerate the interoperability of IMS applications and M-Play NGN services, enabling enterprise and residential consumers to quickly benefit from the delivery of quadruple play voice, video, Internet and mobile services over broadband via wireless, cable and fixed networks Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical working groups are involved in the creation of test plans, the execution of the IMS Plugfest™ and NGN Plugfest™, authoring whitepapers, and developing IMS/NGN best practices and guidelines Marketing working group plans and participates in IMS/NGN Forum's aggressive outbound marketing activities, consisting of analyst briefings, industry events, press activities, speaking engagements, by-lined articles, case studies and more | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full member (USD 3'500 ~ 15'000), Affiliate Member (USD 3'500) Total number of members: 51 Names of main members and their countries <ul style="list-style-type: none"> BEA Systems, Hewlett Packard | | |
| Cooperative Relationships | <ul style="list-style-type: none"> 3GPP | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IMS Forum Headquarters 39355 California Street, Suite 307 Fremont, CA 94538 URL and telephone number <ul style="list-style-type: none"> URL: http://www.imsforum.org, TEL: +1 510 744 4020 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | IMS (Instructional Management Systems) Global Learning Consortium | | |
| Active Purpose | Development of pre-standards | Established Date | 1997 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --> B[Technical Board] A --> C[Executive Strategic Council] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Provides leadership in shaping and growing the learning and educational technology industries through collaborative support of standards, innovation, best practice and recognition of superior learning impact Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Interoperability Standards Project Groups – Active specification development groups chartered to define standards for learning technology interoperability Learning Technology Advisory Council Related Project Groups – End-user focused activities in conjunction with product service providers chartered to define best practices, adoption standards, and technical requirements | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> IMS Learning Metadata version 1.3 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Contribute Member (USD 1'500 ~ USD 5'500), Subscriber Member (USD 1'000 ~ USD 3'500) Total number of members: 67 Names of main members and their countries <ul style="list-style-type: none"> Apple, Educational Testing Service, IBM, McGraw-Hill Education, Microsoft, Oracle | | |
| Cooperative Relationships | <ul style="list-style-type: none"> DCMI, IEEE, CEN-ISSS | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IMS 801 International Parkway 5th Floor, PMB #112 Lake Mary, FL 32746 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.imsglobal.org, TEL: +1.407.362.7783 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | IMTC (International Multimedia Telecommunications Consortium) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1994.09 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> NPSW[Network, Protocol & System WG] Board --> EPW[Education & Promotion WG] Board --> RW[Requirement WG] NPSW --> CIAG[Conferencing Interoperability AG] NPSW --> 3G324MAG[3G-324M AG] NPSW --> PWSAG[Packet Switched Streaming AG] NPSW --> SIPAG[SIP AG] EPW --> MktAG[Marketing AG] EPW --> MPAG[Manage & Public Access G] RW --> IPRAG[IPR AG] RW --> MPAG2[Media Processing AG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote and facilitate the development and use of interoperable, real-time, multimedia telecommunication products and services based on open international standards <ul style="list-style-type: none"> To advocate the common interests of the industry through education and promotion. To be an unbiased source of information to end users, press, industry analysts, legislators, regulators and the industry. To identify obstacles to the growth and success of the industry and to implement or recommend solutions. To promote and facilitate interoperability testing of real-time, multimedia telecommunication products and services. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> 3G-324M Activity Group: performs interoperability tests for real-time videotelephony according to the standards ITU-T H.324, 3G-324M (TS 26.111, TS 26.110, TR 26.911). IMS Activity Group: focuses on interoperability of end-to-end functionality, terminal-network signalling and media, from the point of view of the terminal Session Initiation Protocol Activity Group: focuses on multimedia telecommunication applications including conferencing, video, multipoint, etc. | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full voting Member (USD 7'500), Non-profit Member (USD 1'000) Total number of members: 52 Names of main members and their countries Alcatel, Cisco, Motorola, Nokia, Sony, Vodafone | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T A.4, ITU-T A.5, IEC, ISO, 3GPP, IEEE, IETF, GCF, ETSI, W3C, etc. | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) 2400 Camino Ramon, Suite 375 San Ramon, CA 94583 URL and telephone number URL: http://www.imtc.org, TEL: +1 925 275 6600 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | IPv6 Forum (Internet Protocol Version 6) | | |
| Active Purpose | Others | Established Date | 1999.07 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <ul style="list-style-type: none"> • N/A | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To advocate IPv6 by dramatically improving technology, market, and deployment user and industry awareness of IPv6, creating a quality and secure new Generation Internet and allowing worldwide equitable access to knowledge and technology, embracing a moral responsibility to the world • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Establish an open, international FORUM of IPv6 expertise – Share IPv6 knowledge and experience among members – Promote new IPv6-based applications and global solutions | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Refer to Website: http://www.ipv6forum.com/modules.php?op=modload&name=Sections&file=index&req=listarticles&secid=14 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: 46 • Names of main members and their countries <ul style="list-style-type: none"> – Australia, Austria, Belgium, Brazil, Bretagne, California, Canada, China, Colombia, Cuba, Denmark, Egypt, Europe, Finland, France, Germany, Hong Kong, India, Ireland, Israel, Italy, Japan, Korea, Latin America, Luxembourg, Malaysia, Malta, Mexico, MidAtlantic IPv6 TF, Morocco, Nepal, Netherlands, North America, Pacific Islands, Pakistan, Peru, Poland, Portugal, Russia, Senegal, Spain, Switzerland, Thailand, Tunisia, UK, United Arab Emirates | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • ETSI, 3GPP, UMTS Forum | | |
| IPR policy | <ul style="list-style-type: none"> • N/A | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – • URL and telephone number – URL: http://www.ipv6forum.com, TEL: – | | |

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|---------------------------|--|------------------|------|
| Name of Forum | IrDA (The Infrared Data Association) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1994 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph LR BD[Board of Directors] --- Staff[Staff] BD --- Officers[Officers] BD --- Committee[Committee] BD --- AC[Architecture Council] Committee --- Marketing[Marketing] Committee --- Technical[Technical] Committee --- TI[Test & Interoperability] Marketing --- SIG[SIG] Technical --- WG[WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop globally adopted specifications for infrared wireless communication. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> IrSimple SIG: Develop a protocol to provide simple and fast communication, for performing picture transmission to a TV from a cellular phone or a digital camera, and data transmission between cellular phones at high speed EFIR SIG: Develop a protocol to support a 1-Gbit/s data rate over an optical link for a file transfer between mobile devices and a docking station which is connected to a PC or a multimedia Kiosk and for a file transfer between mobile devices IrUSB SIG: Develop a new IrDA protocol of wireless connection inside USB layers called IrUSB. The IrUSB will be used in place of physical connection of USB, which has limited lifetime due to the wear and tear of the hardware | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> IrDA Ir simple Connect Specification | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Executive Member (USD 8'000), Corporate Member (USD 1'500 ~ 4'000) Total number of members: 41 Names of main members and their countries <ul style="list-style-type: none"> Casio Computer, KDDI Corporation, Mitsubishi Electric Corporation, Nokia Mobile Phones, NTT DoCoMo | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO TC | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IrDA Corporate Office P.O. Box 3883 Walnut Creek, CA 94598 URL and telephone number <ul style="list-style-type: none"> URL: http://www.irda.org, TEL: +1 925 943 6546 | | |

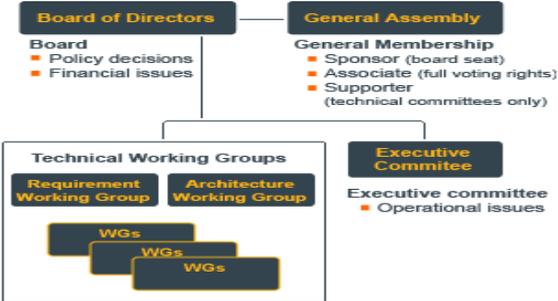
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|---------------------------|--|------------------|------|
| Name of Forum | ISMA (Internet Streaming Multimedia Alliance) | | |
| Active Purpose | Development of pre-standards | Established Date | 2000 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD Board[Board of Director] --- TC[Technical Committee] TC --- IPTV[IPTV Working Group] IPTV --- WI[Work Item] WI --- WI2[Work Item] WI --- WI3[Work Item] Board -.-> IC[Interoperability & Conformance] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> ISMA is a global alliance driving the integration of multimedia IPTV standards Work Group Characteristics and Deliverables <ul style="list-style-type: none"> IPTV Working ITEM ISMA Cryp 2.0 High Efficiency Transport | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> IPTV, ISMA Cryp Version 2.0 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Participant Member (USD 3'500), Adopter Member (USD 2'500) Total number of members: 27 Names of main members and their countries <ul style="list-style-type: none"> Cisco Systems, Apple Computer, IBM, Philips Electronics, Sun Microsystems | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO/IEC JTC 1 SC29 WG11 | | |
| IPR policy | <ul style="list-style-type: none"> TBD | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Internet Streaming Media Alliance P.O. Box 29920 (Postal Service) 572 B Rugar Street San Francisco, CA USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.isma.tv, TEL: +1 415 561 6276 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | ISOC (Internet Society) | | |
| Active Purpose | Others | Established Date | 1991 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <p style="text-align: center;">"the IETF"</p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To promote the open development, evolution, and use of the Internet for the benefit of all people throughout the world • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Facilitates open development of standards, protocols, administration, and the technical infrastructure of the Internet – Supports education in developing countries specifically, and wherever the need exists – Promotes professional development and builds community to foster participation and leadership in areas important to the evolution of the Internet – Provides reliable information about the Internet – Provides forums for discussion of issues that affect Internet evolution, development and use in technical, commercial, societal, and other contexts – Fosters an environment for international cooperation, community, and a culture that enables self-governance to work – Serves as a focal point for cooperative efforts to promote the Internet as a positive tool to benefit all people throughout the world | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: 85 • Names of main members and their countries – 3COM Corporation, AT&T, Cisco Systems, Hewlett-Packard Company, Oracle Corporation | | |
| Cooperative Relationships | – | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Headquarters 1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108 • URL and telephone number – URL: http://www.isoc.org, TEL: +1 703 326 9880 | | |

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| Name of Forum | Khronos Group | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2000.01 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD Board[Board of Promoters] -- Voting Right --> WG[Work Group] subgraph WG_Box [Work Group] OGLE[OpenGL ES] OML[OpenML] OVG[OpenVG] OMAX[OpenMAX] OGLSC[OpenGL SC] OSE[OpenSL ES] COLLADA OKODE[OpenKODE] OGL[Open GL] GIFX[gIFX] Composition end Contributors[Contributors] -- WG proposal --> WG </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> – Create open standard APIs to enable the authoring and playback of rich media on a wide variety of platforms and devices Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – OpenGL ES: Develop the 2D and 3D graphics API – Open ML: Develop cross-platform programming environment for capturing, transporting, processing, displaying, and synchronizing digital media – OpenVG: cross-platform API for full-function 2D and 3D graphics on embedded systems | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – OpenGL ES 2.0, OpenVG 1.0 Conformance Test | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Contributor Member (USD 6'000), Adopter Member (USD 2'500) Total number of members – Promoter: 18, Contributor: 96 Names of main members and their countries <ul style="list-style-type: none"> – President, Neil Trevett (nVidia) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> WEB 3D Consortium | | |
| IPR policy | <ul style="list-style-type: none"> Available (Royalty Free) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> – 1200 N. Bridge St. #212, Suite F Chillicothe, OH 45601 URL and telephone number <ul style="list-style-type: none"> – URL: http://www.khronos.org, TEL: +1 415 869 8627 | | |

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| Name of Forum | LAP (Liberty Alliance Project) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2001.09 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To enable a networked world based on open standards where consumers, citizens, businesses and governments can more easily conduct online transactions while protecting the privacy and security of identity information Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Expert Groups: focus on Technology (TEG), Public Policy (PPEG), Strong Authentication (SAEG) and Business and Marketing (BMEG). Special Interest Group: focus on collaboratively address and solve global, regional and vertical-specific digital identity management issues | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> ID – WSF (Web Service Framework) Version 2.0 Spec. | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member (USD 5'000 ~ 50'000), Associate Member (USD 2'500) Total number of members: 146 Names of main members and their countries <ul style="list-style-type: none"> Ericsson, France Telecom, GM, HP, Intel, NTT, Oracle | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T A.4, 5 OMA, etc. | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Liberty Alliance Project 445 Hoes Lane Piscataway, NJ 08854 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.projectliberty.org, TEL: +1 (732) 465 6475 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Linux Foundation (Linux Foundation) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2007.01 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <ul style="list-style-type: none"> N/A | | |
| Core Activities | <ul style="list-style-type: none"> Mission: to foster the growth of Linux <ul style="list-style-type: none"> Protecting Linux by sponsoring key Linux developers and providing legal services Standardizing Linux and improving it as a platform for software development Work Group Characteristics and Deliverable <ul style="list-style-type: none"> Accessibility: Standards that make Linux and Linux-based applications accessible to persons with disabilities Filesystem Hierarchy Standard (FHS): Defines the main directories and their contents in Linux Green Linux is improving power management in Linux (server, desktop, mobile) Mobile Linux: Accelerating the adoption of Linux on next-generation mobile handsets and other converged voice/data portable devices | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Founded in 2007 by the merger of the Open Source Development Labs (OSDL) and the Free Standards Group (FSG) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member (EUR 70'000), Advisor Member (EUR 30'000), Associate Member (EUR 5'000) Total number of members: 85 Names of main members and their countries <ul style="list-style-type: none"> Oracle, Intel, HP, Fujitsu, AMD, NEC | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> The Linux Foundation 210 Fell Street, Suite 16 San Francisco, CA 94102 URL and telephone number <ul style="list-style-type: none"> URL: http://www.linux-foundation.org, TEL: +1 415 723 9709 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | LIPS Forum (Linux Phone Standard) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2005.11 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure |  <p>The diagram shows the organizational structure of the LIPS Forum. At the top are the Board of Directors and the General Assembly. The Board of Directors handles policy decisions and financial issues. The General Assembly includes Sponsor (board seat), Associate (full voting rights), and Supporter (technical committees only). Below these are the Technical Working Groups, which include the Requirement Working Group and the Architecture Working Group, along with several other WGs. An Executive Committee handles operational issues.</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Defines specifications for usage profiles on a range of telephony terminals including Smartphone, feature phones, fixed line and converged devices. LIPS focuses on standardizing those aspects of Linux® that directly influence the development, deployment and interoperability of applications and services on telephony devices Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Requirement WG: Responsible for defining requirements for each usage profile Architecture WG: Responsible for ensuring the consistency of developments and endorsing all the technical specifications Certification WG: Responsible for developing testing mechanisms and the LIPS certification process | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> LiPS Release 1.0 specifications | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member (EUR 25'000 ~ 100'000), Associate Member (EUR 5'000) Total number of members: 24 Names of main members and their countries <ul style="list-style-type: none"> France Telecom, Telecom Italia S.p.A, Cellon Co., Ltd., Huawei Technology Co., Ltd., Longcheer Holding Limited | | |
| Cooperative Relationships | <ul style="list-style-type: none"> OMTP, OMA, Linux Foundation, CELF | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> LiPS Secretariat 650 Route des Lucioles 06921 Sophia Antipolis Cedex France URL and telephone number <ul style="list-style-type: none"> URL: http://www.lipsforum.org, TEL: +1 415 512 0770 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Lonmark International | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1994.05 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Promote and advance the business of efficient and effective integration of open, multi-vendor control systems utilizing ANSI/CEA 709.1 and related standards Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Building Automation Systems (BAS) Task Group: to develop functional profiles associated with scheduling, alarming, and trending Connectivity Task Group: developing guidelines for certifying network interfaces, routers, bridges, and gateway devices Heating, Ventilating, and Air-Conditioning (HVAC) Task Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member (USD 20'000), Partner Member (USD 5'000), Associate Member (USD 1'000) Total number of members: 238 Names of main members and their countries <ul style="list-style-type: none"> Circon Systems, Echelon Corporation, Fuji Electric Systems, NTT Data Corporation, Philips, Siemens | | |
| Cooperative Relationships | <ul style="list-style-type: none"> N/A | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> LONMARK International 550 Meridian Avenue San Jose, CA 95126 URL and telephone number <ul style="list-style-type: none"> URL: http://www.lonmark.org, TEL: +1 408 938 5266 | | |

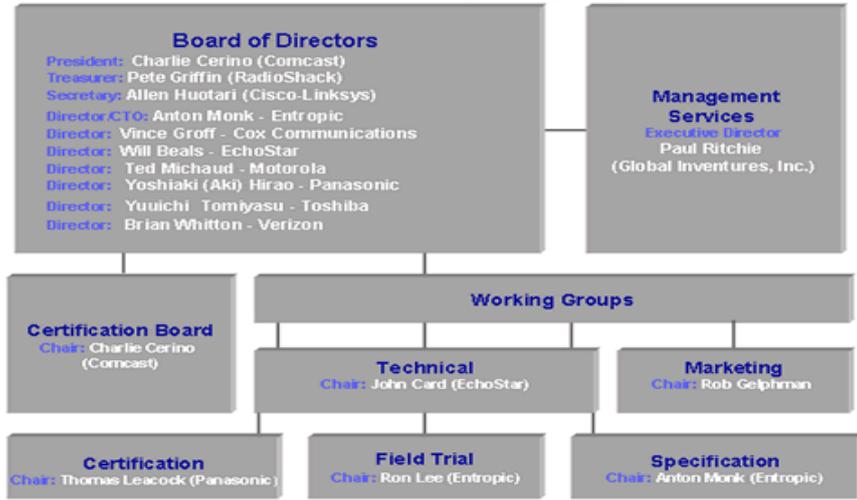
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|---------------------------|---|------------------|------|
| Name of Forum | MEF (Metro Ethernet Forum) | | |
| Active Purpose | Development of pre-standards | Established Date | 2001 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Tech[Technical Committee] Board --> Marketing[Marketing Committee] Tech --> Service[Service Area] Tech --> Architecture[Architecture Area] Tech --> Management[Management Area] Tech --> Test[Test & Measurement Area] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Develops technical specifications and implementation agreements to promote interoperability and deployment of Carrier Ethernet worldwide Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Management Area: to develop Metro Ethernet operations, administration and maintenance (OA&M) requirements, models and definitions Architecture: to develop an architectural reference model and set of common linguistic tools Service Area: to define Metro Ethernet services models, definitions and service parameters and attributes. Test and Measurement Area: to define test methodologies and test suites that enable conformance to MEF services as defined in the MEF Specifications | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Service OAM Framework and Requirement | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 15'000 Total number of members: 136 Names of main members and their countries <ul style="list-style-type: none"> Agilent Technologies, Alcatel, AT&T, Cisco, Lucent Technologies, Nortel Networks Corp. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T A.4, ITU-T A.5, MFA, IETF, IEEE802, etc. | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Metro Ethernet Forum 19900 MacArthur Blvd. Suite 810 Irvine, CA 92612 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.metroethernetforum.org, TEL: +1 949 250 7188 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | MeT (Mobile Electronic Transactions) Initiative | | |
| Active Purpose | Development of pre-standards | Established Date | 2000.04 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph LR A[Board of Directors] --> B[Study] B --> C[Market requirements for successful NFC implementation] B --> D[Security and privacy] B --> E[Usability, interfacing to a secure element] B --> F[Power consumption] B --> G[Payment architecture] B --> H[Secure element and application life cycle.] </pre> | | |
| Core Activities | - | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) - MeT Specification Version 1.1 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member, Associate Member Total number of members: 55 Names of main members and their countries - Ericsson, NEC, Nokia and Panasonic | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Mobey Forum, NFC Forum, OMA | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) - URL and telephone number - URL: http://www.mobiletransaction.org, TEL: +358 400 830543 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | MFA Forum (MPLS, Frame-Relay, ATM Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2005.04 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD SPC[Service Provider Council] --> TC[Technical Committee] BD[Board of Directors] --> TC TC --> MC[Marketing Committee] TC --> ADWG[Application & Deployment WG] TC --> IFRWG[Interworking & Frame-Relay WG] TC --> CWG[Certification WG] TC --> IWG[Interoperability WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To drive the global success of IP/MPLS-based technology, networks, and services while focusing on application and deployment solutions Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Applications & Deployment Working Group: specifies implementation agreements related to a wide range of applications and deployment scenarios enabled by MPLS technology Certification Working Group: focuses on certification requirements and ATS development to drive the technical aspects of the IP/MPLS Forum Certification Program Interoperability Working Group: focuses on interoperability issues, including such items as functional test plans, conformance requirements documents, performance criteria and implementation agreements Interworking & Frame Relay Working Group: specifies implementation agreements related to a wide range of interworking applications, including those over MPLS networks | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) – Soft Permanent Virtual Circuit Interworking between MPLS pseudowires and ATM Performance Monitoring Across Multiservice Networks Frame Relay Operations, Administration and Maintenance Implementation Agreement | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Profit Member (USD 6'000 ~ 12'000), Non-Profit Member (USD 5'000) Total number of members: 29 Names of main members and their countries <ul style="list-style-type: none"> Verizon Communications, Cisco, Ericsson, Alcatel-Lucent | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T A.4, ITU-T A.5, IETF, MSF, MEF, OIF, IPsphere Forum | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> MFA Forum 39355 California Street #307 Fremont, CA 94538 URL and telephone number <ul style="list-style-type: none"> URL: http://www.mfaforum.org, TEL: +1 510 608 5910 | | |

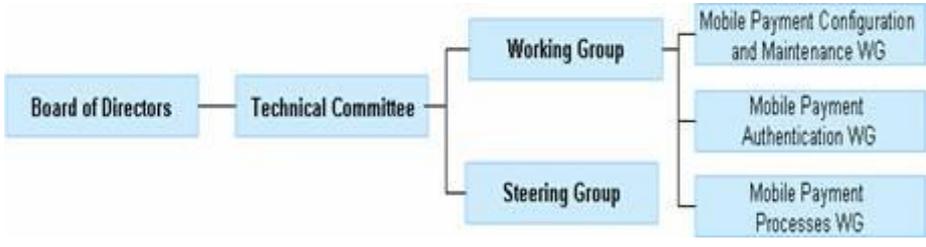
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|---------------------------|--|------------------|---------|
| Name of Forum | MIPI (Mobile Industry Processor Interface) Alliance | | |
| Active Purpose | Development of pre-standards | Established Date | 2003.07 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Marketing[Marketing WG] Board --- Tech[Technical Steering Group] Tech --- Working[Working Groups] Tech --- Investigation[Investigation Groups] Working --- Camera[Camera WG] Working --- Software[Software WG] Working --- Physical[Physical Layer WG] Working --- Display[Display WG] Working --- System[System Power Management WG] Working --- UniPro[UniPro WG] Working --- LowSpeed[Low-Speed Multipoint Link WG] Working --- Test[Test & Debug WG] Working --- Descriptor[Descriptor Block WG] Working --- HighSpeed[High-Speed Synchronous Interface WG] Working --- NAND[NAND Software WG] Working --- DigRF[DigRF WG] Investigation --- Memory[Memory IG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To define and promote open specifications for interfaces in mobile terminals. MIPI Specifications establish standards for hardware and software interfaces between the processors and peripherals typically found in mobile terminal systems Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Device Descriptor Block Working Group DigRF Display Working Group High-Speed Synchronous Interface Working Group Interface Management Framework Working Group Low-Speed Multipoint Link Working Group NAND Software Working Group Physical Layer Working Group Software Working Group System Power Management Working Group Test & Debug Working Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> MIPI SLIMBUS Specification, System Power Management Specification | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Adopter Member (USD 7'500), Contributor Member (USD 30'000), Promoter Member (USD 37'000) Total number of members: 336 Names of main members and their countries <ul style="list-style-type: none"> Intel, Motorola, Nokia, NXP Semiconductor, Samsung, STMicroelectronics, Texas Instruments | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> MIPI Alliance, Inc. 445 Hoes Lane Piscataway, NJ 08854 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.mipi.org, TEL: +1 732 465 5841 | | |

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|---------------------------|--|------------------|-----------|
| Name of Forum | mITF (Mobile IT Forum) | | |
| Active Purpose | Others | Established Date | 2001.6.25 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> FCG[Forum Coordination Group (F-CG)] FCG --> CSC[Content Service Committee] FCG --> MCC[Mobile Commerce Committee] FCG --> OMA[OMA Committee] FCG --> CG[Collaboration Group] MCC --> TSC[Technical Sub-Committee] MCC --> BPS[Business Promotion Sub-Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To realize Future Mobile Communication Systems and Services such as the fourth-generation mobile communications systems and mobile commerce services Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Content Service Committee: to study the business market of mobile content service Mobile Commerce Committee: to facilitate the development and standardization of mobile commerce OMA Committee: to perform information exchange relating to OMA | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Change the mobile IT Forum organization | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: JPY 200'000 Total number of members: 89 Names of main members and their countries <ul style="list-style-type: none"> NTT DoCoMo, KDDI, Motorola | | |
| Cooperative Relationships | <ul style="list-style-type: none"> WWRF, NGMC Forum, Future Forum | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> c/o ARIB (Association of Radio Industries and Businesses) Nittochi Bldg. 14F 1-4-1 Kasumigaseki Chiyoda-ku Tokyo 100-0013 JAPAN URL and telephone number <ul style="list-style-type: none"> URL: http://www.mitf.org, TEL: +81 3 5510 8594 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | MoCA (Multimedia over Coax Alliance) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2004.01 |
| | Object field | | |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <p align="center">Multimedia over Coax Alliance (MoCA) Organizational Chart</p>  | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Promoting networking of multiple streams of high definition video and entertainment using existing coaxial cable already in the home Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical Working Group Marketing Working Group Certification Working Group Field Trial Specification | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> MoCA Version 1.0, MocCA Version 1.1 MAC/PHY('07.9) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Contributor Member (USD 25'000), Associate Member (USD 12'000) Total number of members: 50 Names of main members and their countries <ul style="list-style-type: none"> Cisco, Motorola, Comcast, EchoStar | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) URL and telephone number <ul style="list-style-type: none"> URL: http://www.mocalliance.org, TEL: +1 925 275 6654 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | MOST (Media Oriented Systems Transport) Cooperation | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1998 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Designed from the ground up to provide an efficient and cost-effective fabric to transmit audio, video, data and control information between any devices attached even to the harsh environment of an automobile Work Group Characteristics and Deliverables | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> MOST Dynamic Specification Version 1.3 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: EUR 15'000 Total number of members: 89 (Partner 5, Associated Partner (carmakers) 12, Associated Partner (suppliers) 72) Names of main members and their countries <ul style="list-style-type: none"> Audi, BMW, Daimler Chrysler, Harman/Becker | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Administration Bannwaldallee 48 D-76185 Karlsruhe Germany URL and telephone number <ul style="list-style-type: none"> URL: http://www.mostcooperation.org, TEL: (+49) (0) 721 966 50 00 | | |

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|---------------------------|--|------------------|------|
| Name of Forum | MPEG Industry Forum (Moving Picture Experts Group) | | |
| Active Purpose | Others | Established Date | 1988 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | – | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To further the adoption of MPEG Standards, by establishing them as well as accepted and widely used standards among creators of content, developers, manufacturers, providers of services, and end users Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Promoting the emerging MPEG standards (MPEG-4, MPEG-7 and MPEG-21), and serving as a single point of information on technology, products and services for these standards Carrying out interoperability tests, which lead to an ecosystem of interoperable products Establishing an MPEG-4 Logo Qualification Program program, which will come with the right to carry MPEGIF's MP4 logo MPEGIF Logo Qualification Program Organization of and participation in trade show events | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (USD 3'000), Associate Member (USD 300) Total number of members: 41 Names of main members and their countries <ul style="list-style-type: none"> ATI Technologies, Motorola, Nero, NVIDIA Corporation | | |
| Cooperative Relationships | <ul style="list-style-type: none"> JTC 1 SC29 WG11 | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> MPEG Industry Forum 39355 California Street, Suite 307 Fremont, CA 94538 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.mpegif.org, TEL: +1 510 744 4025 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | MPF (Mobile Payment Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2001.11 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure |  <pre> graph LR Board[Board of Directors] --- Tech[Technical Committee] Tech --- WG[Working Group] Tech --- SG[Steering Group] WG --- WG1[Mobile Payment Configuration and Maintenance WG] WG --- WG2[Mobile Payment Authentication WG] SG --- SG1[Mobile Payment Processes WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To create a framework for standardized, secure and authenticated mobile payments, while allowing for a choice of appropriate protocols and payment solutions Is focused on standardizing specific areas of mobile payments related to the set-up, initiation, authentication, and completion of a secure payment transaction Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Mobile Payment Configuration and Maintenance Working Group: to facilitate the formation of interoperable mechanisms for configuring and maintaining a mobile device Mobile Payment Authentication Working Group: to define mechanisms and guidelines for authentication services for mobile payments Mobile Payment Processes Working Group: to ensure that a secure and interoperable infrastructure exists for conveniently processing payments in mobile technology environments | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Proximity Payment Activity (PPA), Two-way messaging authentication | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (USD 12'500), Association Member (USD 4'000) Total number of members: 23 Names of main members and their countries <ul style="list-style-type: none"> Mastercard, VISA, Vodafone, American-express, Nokia | | |
| Cooperative Relationships | <ul style="list-style-type: none"> MeT, Mobey | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Mobile Payment Forum 401 Edgewater Place, Suite 600 Wakefield, MA 01880 URL and telephone number <ul style="list-style-type: none"> URL: http://www.mobilepaymentforum.org, TEL: +1 781 876 8840 | | |

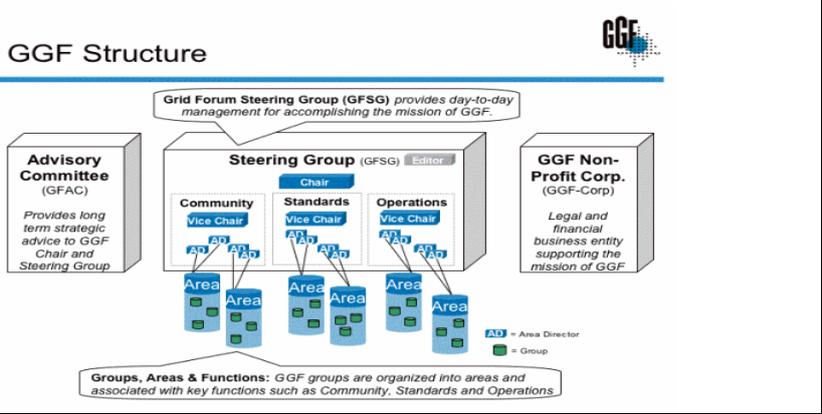
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|---------------------------|---|------------------|---------|
| Name of Forum | MSF (MultiService Switching Forum) | | |
| Active Purpose | Development of pre-standards | Established Date | 1998.11 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD Board["Board of Directors Processes, Policies, Business Proposition"] MEd["Marketing and Education Committee PR promotion, Events"] Tech["Technical Committee Meeting Agendas Technical Direction"] GMI["GMI2008 Committee Project Requirements Planning"] Phys["Physical & Functional Architecture WG Stuart Walker"] Prot["Protocol & Control WG Chris Gallon"] Inter["Interoperability WG Andy Huckridge"] Mgmt["Management Advisory Lily Chen"] AdHoc["Ad Hoc Advisory Committees Membership Intellectual Property Finance & Audit Liaison"] Board --- MEd Board --- Tech Board --- GMI Board --- Mgmt Board -.- AdHoc Tech --- Phys Tech --- Prot Tech --- Inter </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To developing and promoting open-architecture, multiservice switching systems Developing implementation agreements, promoting worldwide compatibility and interoperability, and encouraging input to appropriate national and international standards bodies. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture Working Group: define the functional and physical of MSF compliant networks Architecture Interoperability Demonstration Working Group: define test plans for each IA and for the scenarios involved in the GMI events Protocol and Control Working Group: is responsible for developing detailed requirements and implementation agreements for behaviour, protocols and interfaces at reference points in the MSF architecture. | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> MSF Architecture Release 4 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principle Member (USD 18'750), Non-Profit Member (USD 7'500), Education Member (USD 500) Total number of members: 35 Names of main members and their countries <ul style="list-style-type: none"> BT, Nortel, Nokia Siemens Networks, Verizon, Cisco Systems | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T, IETF, 3GPP, Parley Group, TMF, MFA, SIP Forum, etc. | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Multiservice Switching Forum 48377 Fremont Blvd, Suite 117, Fremont, CA 94538 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.msforum.org, TEL: | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | NFC (Near Field Communication) Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2004.03 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- PMTF[Program Management Task Force] Board --- MC[Marketing Committee] Board --- TC[Technical Committee] Board --- PAC[Privacy Advisory Council] MC --- TMTF[Target Mark Task Force] MC --- CTF[Compliance Task Force] TC --- RAWG[Reference Applications Working Group] TC --- SWG[Security Working Group] TC --- NFDWG[NFC Devices Working Group] PAC --- ATF[Architecture Task Force] SWG --- PTF[Plugfest Task Force] SWG --- RFTF[RF Testing Task Force] NFDWG --- CETF[Card Emulation Task Force] NFDWG --- MSTF[Mode Switching Task Force] NFDWG --- P2PTF[Peer-to-Peer Task Force] NFDWG --- T&FTF[Tags & Formats Task Force] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Formed to advance the use of Near Field Communication technology by developing specifications, ensuring interoperability among devices and services, and educating the market about NFC technology Work Group Characteristics and Deliverables <ul style="list-style-type: none"> <u>Marketing Committee</u>: educate consumers about the benefits of NFC technology, via public relations and other communications programs Technical Committee: To summarize and compile existing work of the member companies into specifications <ul style="list-style-type: none"> * NFC Devices Technical Working Group * Reference Applications Framework Technical Working Group * Security Technical Working Group Compliance Committee | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> TAG type Technical Specification Type 1/2/3/4 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Member (USD 25'000), Associate Member (USD 5'000), Non-profit Member (USD 1'000) Total number of members: 124 Names of main members and their countries <ul style="list-style-type: none"> Nokia, Philips, Sony, Motorola, Samsung, MS | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ECMA, Bluetooth SIG, WIFI alliance | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> NFC Forum 401 Edgewater Place, Suite 600, Wakefield, MA 01880, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.nfc-forum.org/home, TEL: +1 781 876 8955 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | OAGi (Open Applications Group Initiative) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1994.11 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <p>The diagram shows the organizational structure of OAGi. At the top is the 'Board of Directors'. Below it are four main branches: 'Content WG', 'Technical WG', 'Industrial WG', and 'Customer Council'. To the right of these branches is a grid of specific projects and standards. The 'Content WG' branch is linked to 'Core Components', 'Payment Harmonization', 'CRM XML', 'ICXML', 'Internet Parts Order Joint Workgroup with AAIA', 'STAR', 'Inventory Visibility with AIAG', and 'VisionML'. The 'Technical WG' branch is linked to 'Logistics XML', 'Web Services', 'Material Replenishment with AIAG', and 'Location Services'. The 'Industrial WG' branch is linked to 'Web Services' and 'IIIST Test Bed'. The 'Customer Council' branch is linked to 'Semantic Integration', 'Architecture Team', and 'UML Modeling'.</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote business process interoperability for both inter and intra enterprise business processes To encourage the creation of and/or create and endorse one or more standards to assist organizations in achieving connectivity and multiple-source integration of inter and intra enterprise business processes | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> OAGIS 9.1 Schemas | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Board Member (USD 20'000 ~ 30'000), Architecture Council (USD 10'000 ~ 15'000), General Member (USD 250 ~ 7'500) Total number of members: 36 Names of main members and their countries <ul style="list-style-type: none"> Agilent Technologies, Ford Motor Company, IBM, Lucent Technologies | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T, ISO, IEC, WS-I, etc. | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Open Applications Group, Inc. PO Box 4897 Marietta, Georgia 30061 URL and telephone number <ul style="list-style-type: none"> URL: http://www.openapplications.org, TEL: +1 678 715 7588 | | |

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|---------------------------|--|------------------|------|
| Name of Forum | OASIS (Organization for the Advancement of Structured Information Standards) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1993 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | N/A | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Drives the development, convergence and adoption of open standards for the global information society – Produces worldwide standards for security, Web services, conformance, business transactions, supply chain, public sector, and interoperability within and between marketplaces • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – ebXML Business Process – ebXML CPPA TC – ebXML Messaging Service TC | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Emergency Data Exchange Language (EDXL) Distribution Element v1.0 – XML Catalogs 1.1 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Sponsor (USD 10'000 ~ 16'000), Contributor (USD 1'100 ~ 8'000), Associate (USD 300) • Total number of members: 368 • Names of main members and their countries <ul style="list-style-type: none"> – SAP, IBM, MS, BEA Systems, Sun Microsystems, EDS | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • IEC, ISO, ITU, UN/CEFACT | | |
| IPR policy | <ul style="list-style-type: none"> • Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – OASIS Post Office Box 455 Billerica, MA01821, USA • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.oasis-open.org, TEL: +1 978 667 5115 | | |

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| Name of Forum | OGC (Open Geospatial Consortium) | | |
| Active Purpose | Development of pre-standards | Established Date | 1994 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote the development and use of advanced open systems standards and techniques in the area of geoprocessing and related information technologies Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Working Groups (WG) provide a forum for discussion of key interoperability requirements and issues, discussion and review of implementation specifications, and presentations on key technology areas relevant to solving geospatial interoperability issues. * 3DIM WG, Catalog WG, Coordinate Reference System WG, Coverages WG, Data Preservation WG, Data Quality WG, etc. Refer to Website: http://www.opengeospatial.org/projects/groups/wg | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Open GIS Catalog Service Implementation Specification | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal (USD 55'000), Technical Committee (USD 11'000), Associate Member (USD 500 ~ 4'400) Total number of members: 351 Names of main members and their countries <ul style="list-style-type: none"> NASA, Google, Oracle, European Space Agency (ESA) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> MoU: ISO TC211 | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Open Geospatial Consortium, Inc. – Wayland Office (Headquarters) 35 Main Street, Suite 5 Wayland, MA 01778-5037 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.opengeospatial.org, TEL: + 1 812 334 0601 | | |

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| Name of Forum | OGF (OPEN Grid Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1999.6.16 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure |  <p style="text-align: center;">GGF Structure</p> <p style="text-align: center;">Grid Forum Steering Group (GFSG) provides day-to-day management for accomplishing the mission of GGF.</p> <p>Advisory Committee (GFAC) Provides long term strategic advice to GGF Chair and Steering Group</p> <p>Steering Group (GFSG) Editor</p> <ul style="list-style-type: none"> Community Vice Chair Standards Vice Chair Operations Vice Chair <p>GGF Non-Profit Corp. (GGF-Corp) Legal and financial business entity supporting the mission of GGF</p> <p>Groups, Areas & Functions: GGF groups are organized into areas and associated with key functions such as Community, Standards and Operations</p> <p>AD = Area Director G = Group</p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Accelerates grid adoption to enable business value and scientific discovery by providing an open forum for grid innovation and developing open standards for grid software interoperability. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – eScience: is responsible for working with scientific, engineering and education communities to identify and align requirements; workshop best practices; and share progress – Enterprise: is responsible for working with business, IT and vendor communities – Standards: is responsible for development of architectures, specifications, roadmaps, and related activities associated with the standardization and interoperability of grid software – Marketing: is responsible for working across the organization to develop key messages and marketing-related content to promote the value and progress of the organization | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – • Total number of members: 42 • Names of main members and their countries <ul style="list-style-type: none"> – IBM, HP, MS, SUN, Intel, Oracle, KISTI, Cisco | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • IETF, W3C, DMTF | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Global Grid Forum 9700 South Cass Avenue Bldg 221/A142 Lemont, IL 60439 USA • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.ogf.org, TEL: +1 630 252 4300 | | |

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| Name of Forum | OIF (Optical Internetworking Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1998.04 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph LR Board[Board of Directors] --- TC[Technical Committee] Board --- MaEdu[Ma & Edu Committee] TC --- ASWG[Architecture & Signaling WG] TC --- Benchmarking[Benchmarking WG] TC --- Carrier[Carrier WG] TC --- Interop[Interoperability WG] TC --- OAM[OAM & P WG] TC --- PLUG[Physical Layer User Group] TC --- Software[Software WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission Work Group Characteristics and Deliverables | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) OIF-ENNI-OSPF Implementation Agreement v0.1, UNI Signaling 2.0 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal (USD 4'000 ~ 8'000), Audit (USD 3'000), Academic (USD 1'000) Total number of members: 85 Names of main members and their countries Agilent Technologies, Alcatel, Intel, Texas Instrument | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T Study Groups 13 and 15, IEEE802.3, IETF, TMF | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) Optical Internetworking Forum 39355 California Street – Suite 307 Fremont, CA 94538 URL and telephone number URL: http://www.oiforum.com, TEL: +1 510 608 5928 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | OMA (Open Mobile Alliance) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2002.06 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <p>The organizational chart shows a top-down structure. At the top is the BOARD. Below it is the TECHNICAL PLENARY. The Technical Plenary oversees several Working Groups (blue boxes) and Committees (green boxes). The Working Groups are: BROWSER TECHNOLOGIES, BROADCASTING, CONTENT DISTRIBUTION, DEVICE MANAGEMENT, DATA SYNCHRONIZATION, DEVELOPERS INTERESTS, DIGITAL RIGHTS MANAGEMENT, GAMES SERVICES, LOCATION, and MESSAGING. The Committees are: OPERATIONS & PROCESSES (CLOSED), REQUIREMENTS, ARCHITECTURE, SECURITY, INTEROPERABILITY, RELEASE PLANNING & MANAGEMENT, MOBILE COMMERCE & CHARGING, PRESENCE & AVAILABILITY, and PUSH TO TALK OVER CELLULAR. A legend indicates that green boxes represent Committees and blue boxes represent Working Groups.</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Is the focal point for the development of mobile service enabler specifications, which support the creation of interoperable end-to-end mobile services Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture WG Broadcasting WG Content Delivery WG Data Synchronization WG Device Management WG Digital Rights Management WG Games Services WG Messaging WG Mobile Client Environment (MCE) WG | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Refer to Website: http://www.openmobilealliance.org/Technical/releaseprogram.aspx | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (USD 32'500), Associate Member (USD 7'500), Support Member (USD 250) Total number of members: 379 Names of main members and their countries <ul style="list-style-type: none"> Ericsson, IBM, LGE, Microsoft, Motorola, Nokia, NTT Docomo, Oracle, Samsung, Siemens, SK Telecom, SUN, T-Mobile, Verizon, Vodafone | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ETSI, 3GPP, 3GPP2 | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 4275 Executive Square Suite 240 La Jolla, CA92037, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.openmobilealliance.org, TEL: – | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | OMG (Object Management Group) | | |
| Active Purpose | Development of pre-standards | Established Date | 1989.04 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Arch[Architecture Board] Board --> Platform[Platform Technology Committee] Board --> Domain[Domain Technology Committee] Arch --- ArchList["Liaison ABSC Object & Reference Model Specification Management MDA Users ABSIG Process Metamodel Service Oriented Architecture ABSIG Software Assurance"] Platform --- PlatformList["Analysis & Design PTF Architecture-Driven Modernization(ADM) PTF Middleware and Related Services (MARS) PTF Real-time, Embedded, and Specialized Systems PTF Agents PSIG Data Distribution Services PSIG Japan PSIG Korea PSIG Model Integrated Computing PSIG Telecommunications PSIG"] Domain --- DomainList["Business Modeling and Integration DTF Consultation, Command, Control, Communications and Intelligence DTF Finance DTF Government DTF Healthcare DTF Life Sciences Research DTF Manufacturing Technology and Industrial Systems (MarfIS) DTF Robotics DTF Software-Based Communications DTF Space DTF Regulatory Compliance DSIG Super Distributed Objects DSIG Systems Engineering DSIG"] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Develop enterprise integration standards for a wide range of technologies, including: Real-time, Embedded and Specialized Systems, Analysis and Design, Architecture-Driven Modernization and Middleware and an even wider range of industries, including: Business Modeling and Integration, C4I, Finance, Government, Healthcare, Legal Compliance, Life Sciences Research, Manufacturing Technology, Robotics, Software-Based Communications and Space Work Group Characteristics and Deliverables | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 800 Names of main members and their countries | | |
| Cooperative Relationships | <ul style="list-style-type: none"> SUN, HP | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Object Management Group, Inc. 140 Kendrick Street, Building A, Suite 300 Needham, MA. 02494 U.S.A URL and telephone number <ul style="list-style-type: none"> URL: http://www.omg.org, TEL: +1 781 444 0404 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | OMTP (Open Mobile Terminal Platform) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2004.06 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To improve the end-to-end seamless user experience of Mobile Services to grow the Data Business Set up with the aim of simplifying the customer experience of mobile data services and improving mobile device security Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Software Working Group User Experience Group Hardware Group Security Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> OMA DRM V2 Enabled terminals | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member (EUR 70'000), Adviser Member (EUR 30'000), Associate Member (EUR 5'000) Total number of members: 43 Names of main members and their countries <ul style="list-style-type: none"> Cingular Wireless, Hutchinson 3G, KPN, Telecom Italia, Vodafone | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ETSI, GSMA, OMA, OMSI, Korea Wireless Internet Standardization Forum (KWISF) | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> OMTP Ltd. Gainsborough House 17-23 High Street Slough, Berkshire SL1 1DY United Kingdom URL and telephone number <ul style="list-style-type: none"> URL: http://www.omtp.org, TEL: +44 (0)20 7183 1783 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Open IPTV Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2007.03 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD SG[Steering Group] --- SC[Standard co-ordination] SG --- AB[Admin & Budget] SC --- WP[Working Procedures] WP --- RWG[Requirements WG] WP --- AWG[Architecture WG] WP --- PWG[Protocols WG] WP --- IOTWG[IOT WG] WP --- MWG[Marketing WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To provide an IPTV solution enabling a "plug and play" experience for the end-users and filling a industry gap making it independent from the technology behind it. Specify a common and open end-to-end platform for supplying variety of Internet multimedia and IPTV services to retail based consumer equipment, either over QoS-controlled managed network or over the public Internet Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Requirements Working Group Architecture Working Group Solution Working Group IOT Working Group Marketing Working Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> OIPTV Specification release 1.0 (Processing) OIPTV Interoperability Specification Release 1.0 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: EUR 12'000 Total number of members: 8 Names of main members and their countries <ul style="list-style-type: none"> Ericsson, France Telecom, Nokia Siemens, Panasonic, Philips, Samsung, Sony, and Telecom Italia | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (FRAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> OMTP Ltd. Gainsborough House 17-23 High Street Slough, Berkshire SL1 1DY United Kingdom URL and telephone number <ul style="list-style-type: none"> URL: http://www.openiptvforum.org, TEL: +44 (0)20 7183 1783 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | OSGi Alliance | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1999.03 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> TSC[Technical Steering Committee] TSC --> CPEG[Core Platform Expert Group] TSC --> VEG[Vehicle Expert Group] TSC --> MEG[Mobile Expert Group] TSC --> REG[Requirement Expert Group] TSC --> MktEG[Marketing Expert Group] TSC --> EEG[Enterprise Expert Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Promotes widespread adoption of the OSGi Service Platform to assure interoperability of applications and services delivered and managed via networks. To realize this mission, the alliance provides specifications, reference implementations, test suites and certification to foster a valuable cross-industry ecosystem • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Core Platform Expert Group: defines the core platform specifications and APIs – Vehicle Expert Group: focuses on tailoring and extending the generic OSGi Service Platform core specifications for in-vehicle environments – Mobile Expert Group – Enterprise Expert Group: defines the requirements and specifications to tailor and extend the OSGi Service Platform for mobile devices that are data-capable and also capable of connecting to wireless networks | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – OSGi Service platform Version 4.1 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Full Member (USD 20'000), Adopter Member (USD 3'000) • Total number of members: 39 • Names of main members and their countries <ul style="list-style-type: none"> – Aplix, BMW, IBM, Nokia, Intel, Oracle, Sun Microsystems | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Partnerships: HGI, ERTICO, GST | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Bishop Ranch 6 2400 Camino Ramon, Suite 375 San Ramon, CA 94583 USA • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.osgi.org, TEL: – | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Parlay Group | | |
| Active Purpose | Development of pre-standards | Established Date | 1998.03 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <p>TAC: Technical Advisory Committee POIG: Parlay Operator Interest Group</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop open, technology-independent application programming interfaces (APIs) that enable the development of applications that operate across multiple, networking-platform environments Facilitate the production of test suites and reference code in multiple technologies that enable developers to create related products and services that operate across wireless, Internet-protocol (IP), and public-switched networks Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Call Control and User Interaction Working Group: to enable support of real-time multimedia applications using standardized APIs Content-Based Charging Working Group: employ the charging, rating, and billing capabilities of telecommunications networks to charge subscribers for all kind of applications Emergency Telecom Services (ETS) Working Group: develop requirements and contributions to support ETS | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Parlay/OSA APIs, Parlay X Web Services | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (USD 20'000), Affiliate Member (USD 7'500) Total number of members: 36 Names of main members and their countries <ul style="list-style-type: none"> BT, Orange, IBM, Alcatel, Lucent, Aepona, Ericsson, NTT | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, 3GPP, ETSI, PAM Forum | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> The Parlay Group 2400 Camino Ramon, Suite 375,. San Ramon, CA 94583 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.parlay.org, TEL: 1.925.275.6642 | | |

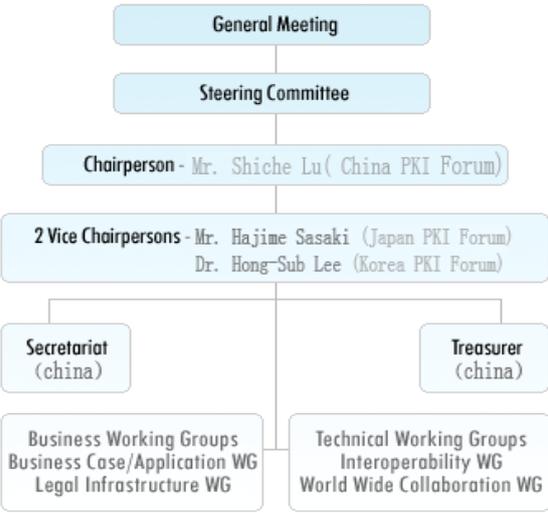
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|---------------------------|--|------------------|---------|
| Name of Forum | PCCA (Portable Computer and Communications Association) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1992.06 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph LR SAC[Standards and Architecture Committee] --- CM[Connection management, Network Switching and Mobility] SAC --- D[Device] SAC --- O[Optimization] SAC --- S[Security] SAC --- TC[Technology Capabilities] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To evaluate new mobile and wireless technologies, to assess their effectiveness, and to identify issues facing the industry, particularly with respect to interoperability, ease of use and application efficiency • Work Group (Topic) Characteristics and Deliverables <ul style="list-style-type: none"> – Connection management, Network Switching and Mobility: discusses the multiple issues associated with connection management, session maintenance, switching between different types of network, and mobility management – Devices (Modems, Data Capable Phones, Smartphones) – Optimization: determined that even with the increased throughput speeds available with 3G networks | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Executive Member (USD 5'000), Associate Member (USD 2'500), Affiliate Member (USD 750) • Total number of members: 26 • Names of main members and their countries – Flash Networks, Intel, iPass, QUALCOMM, Sony, Toshiba | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • The open Group, Mobile Management Forum, Mobile Computing Promotion Consortium | | |
| IPR policy | <ul style="list-style-type: none"> • Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Corporate Headquarters 980A University Ave Los Gatos, CA 95032 • URL and telephone number – URL: http://www.pcca.org, TEL: 1 541 490 5140 | | |

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| Name of Forum | PCI-SIG (Peripheral Component Interconnect Special Interest Group) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1992 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --> B[Committee] B --> C[Work Group] B --> D[Special Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To deliver a stable, straightforward and compatible standard for PCI (Peripheral Component Interconnect) devices *** Peripheral component interconnect (PCI) delivers I/O functionality for computers ranging from servers to workstations, PCs, laptop PCs and mobile devices Maintain the forward compatibility of all PCI revisions or addenda Contribute to both the establishment of PCI as an industry-wide standard and to the technical longevity of the PCI architecture Maintain the PCI specification as a simple, easy-to-implement, stable technology that supports the spirit of its design Work Group Characteristics and Deliverables <ul style="list-style-type: none"> PCI-SIG Technical Workgroups: is devoted to furthering the PCI specifications | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) PCI EXPRESS 2.0 Refer to website: http://www.pcisig.com/specifications/ | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 3'000 Total number of members: 905 Names of main members and their countries IBM, AMD, Broadcom, HP, Intel, Microsoft Corporation, NVIDIA | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) PCI-SIG 3855 SW 153rd Drive Beaverton, OR 97006 URL and telephone number URL: http://www.pcisig.com/, TEL: +1 503 619 0569 | | |

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| Name of Forum | PCMCIA (Personal Computer Memory Card International Association) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1989 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD A[Board of Directors/President] --> B[Marketing Committee] A --> C[Technical Committee] A --> D[Change Control Board (CCB)] A --> E[Implementation Forum] B -.-> B1[...] C --> F[Sub-Committee] C --> G[Sub-Committee] C -.-> H[...] C --> I[Sub-Committee] F -.-> F1[...] G --> J[Working Group] G --> K[Working Group] G -.-> L[...] G --> M[Working Group] I -.-> I1[...] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – To establish standards for Integrated Circuit cards and to promote interchangeability among mobile computers where ruggedness, low power, and small size were critical – Emphasize mobile applications for modular peripherals in platforms such as computers (notebook, handheld, and palmtop), cameras, digital audio/video equipment, vehicles – Encourage expansion of the market for modular peripherals by educating the membership and the press | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – EXPRESS CARD Specification | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Executive Member (USD 4'500), Affiliate Member (USD 2'500) • Total number of members: 148 • Names of main members and their countries – GE Aviation, Hewlett Packard, Intel, Microsoft Corporation | | |
| Cooperative Relationship | – | | |
| IPR policy | <ul style="list-style-type: none"> • Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – PCMCIA 2635 North First Street Suite #218 San Jose, CA 95134 USA • URL and telephone number – URL: http://www.pcmcia.org, TEL: +1 (408) 433 2273 | | |

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| Name of Forum | PC/SC Workgroup | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1996.05 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Core[Core Members] Board --- Assoc[Associate Members] Core --- Tech[Technical Committee] Assoc --- Tech </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote a standard specification, to ensure that smart cards, smart card readers, and computers made by different manufacturers will work together; and To facilitate the development of smart card applications for PC and other computing platforms Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Standardize interfaces to Interface Devices (IFDs). Specify common PC programming interfaces and control mechanisms | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> PC/SC Version 2.01.4 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: core member (USD 5'000), Associate Member (USD 2'000) Total number of members: 19 Names of main members and their countries <ul style="list-style-type: none"> Gemplus, Infineon, Microsoft, Toshiba | | |
| Cooperative Relationships | - | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 9 Crow Canyon Court, Suite 108 San Ramon, CA 94583 URL and telephone number <ul style="list-style-type: none"> URL: http://www.pcscworkgroup.com, TEL: +1 925 855 0558 | | |

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| Name of Forum | PICMG (PCI Industrial Computer Manufacturers Group) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1994 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Marketing[Marketing WG] Board --> Technical[Technical WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To extend the PCI standard, from the PCI Special Interest Group for use in non-traditional computer markets such as Industrial Automation, Medical, Military and Telecom Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical subcommittees: are responsible for the development of PICMG specifications | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> IPMC Firmware Update: Defines management firmware upgrade capability ATCA300: Define a standard approach for implementing AdvancedTCA based equipment which requires compliance with 300mm ANSI and ETSI equipment practices | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Executive Member (USD 2'500), Affiliate Member (USD 1'750) Total number of members: 380 Names of main members and their countries <ul style="list-style-type: none"> Gemplus, Infineon, Microsoft, Toshiba | | |
| Cooperative Relationships | <ul style="list-style-type: none"> SA FORUM | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> PICMG c/o Virtual, Inc. 401 Edgewater Place, Suite 600 Wakefield, MA 01880 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.picmg.org, TEL: 1 781 246 9318 | | |

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| Name of Forum | PKI Forum (ASIA PKI Forum) | | |
| Active Purpose | Others | Established Date | 2001.06 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Security | | |
| Organizational Structure |  <pre> graph TD GM[General Meeting] --> SC[Steering Committee] SC --> CP["Chairperson - Mr. Shiche Lu (China PKI Forum)"] CP --> V1["2 Vice Chairpersons - Mr. Hajime Sasaki (Japan PKI Forum)"] CP --> V2["Dr. Hong-Sub Lee (Korea PKI Forum)"] V1 --> S["Secretariat (china)"] V1 --> T["Treasurer (china)"] S --> BWG["Business Working Groups Business Case/Application WG Legal Infrastructure WG"] T --> TWG["Technical Working Groups Interoperability WG World Wide Collaboration WG"] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To promote joint-work to secure interoperability among country's/area's PKIs as the infrastructures in the Asia/Oceania Region Agreed to collaborate to provide solutions to common issues in order to promote the establishment of interoperable PKIs throughout the Region and the realization of borderless and seamless e-commerce Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Legal Infrastructure WG Business Case/AP WG Interoperability WG | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 9 Names of main members and their countries <ul style="list-style-type: none"> Korea PKI Forum, China PKI Forum, Japan PKI Forum, Chinese Taipei PKI Forum, PKI Forum Singapore, Hong Kong PKI Forum, Macao Post, Thailand PKI Forum | | |
| Cooperative Relationships | – | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> N/A URL and telephone number <ul style="list-style-type: none"> URL: http://www.asia-pkiforum.org, TEL: – | | |

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| Name of Forum | PLC (Power-Line Communication) Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1998 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --- B[Marketing WG] A --- C[Technical & Regulatory WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Represents the interests of manufacturers, energy utilities and other organizations (Universities, other PLC Associations, consultants, etc.) active in the field of access and in-home PLC (power line communications) technologies *** Power Line Communications is a term used to identify technologies, equipments, applications and services aiming at providing users with communication means over existing "power lines" • Work Group Characteristics and Deliverables (Issue) <ul style="list-style-type: none"> – Regulatory issues: Lobby directly and support members' lobbying activities so that a satisfactory regulatory framework for PLC can exist. – Technologies: Share visions, problems and solutions within the Forum, push coexistence and interoperability/standardization so that technology is not a market-limiting factor. – Business Case: Support members in the creation of appropriate commercial and financial models | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: EUR 5'000 • Total number of members: 29 • Names of main members and their countries <ul style="list-style-type: none"> – Mitsubishi Electric Corporation, Telvent Energía y Medio Ambiente, S.A., Toyo Network Systems Co. Ltd | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • ETSI | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – PLCforum Secretariat c/o Homega Research 1240 Route des dolines – BP 287 Valbonne 06905 Sophia Antipolis Cedex – France • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.plcforum.org, TEL: +33/(0) 493 001 550 | | |

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| Name of Forum | Quest Forum (Quality Excellence for Suppliers of Telecommunications) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1998 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To pursue and achieve a goal of global telecommunications quality and industry-wide performance excellence Evolve the telecommunications industry-leading quality management system with standardized performance measurements and share best practices through industry collaboration Work Group Characteristics and Deliverables <ul style="list-style-type: none"> GlobalComm: Develop and implement global work structures Integrated Global Quality Requirements and Measurements (IGQ): Deliver effective TL 9000 requirement and measurement documents Telecom Business Excellence (TBE): Improve QuEST Forum best practices processes | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) TL 9000: Requirement of telecommunication Quality management system | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (USD 5'000 ~ 12'000), Affiliate Member (USD 5'000) Total number of members: 99 Names of main members and their countries <ul style="list-style-type: none"> AT&T, NTT, Alcatel, Cisco | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ISO, IEC | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> URL and telephone number URL: http://www.questforum.org/index.htm, TEL: +1 972-661-6420 | | |

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| Name of Forum | Road to 100G Alliance | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2007.01 |
| | Object field | | |
| <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | | |
| Organizational Structure |  | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Dedicated to accelerating the adoption and ongoing development of a new era of next generation networking platforms – To provide ongoing education, application support and common reference design data to accelerate the deployment of high performance enterprise, metro, carrier, and long-haul network solutions • Work Group Characteristics and Deliverables | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: USD 2'000 • Total number of members: 5 • Names of main members and their countries – Bay micro systems, Enigma, IP Infusion, Lattice | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • IEEE802 | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – The Road to 100g Alliance 5126 Stevens Creek Blvd. Suite 10 San Jose, CA 95129 • URL and telephone number – URL: http://www.roadto100g.org, TEL: +1 972-661-6420 | | |

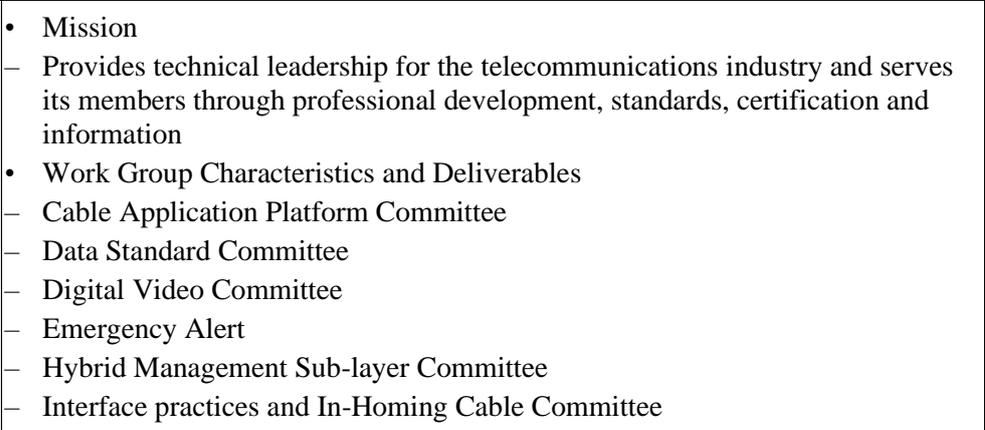
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| Name of Forum | RosettaNet Consortium | | |
| Active Purpose | Development of pre-standards | Established Date | 1998.03 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD EC[Executive Committee] --- AAC[Architecture Advisory Committee] EC --- G6[6 Global Councils] EC --- MAC[Marketing Advisory Committee] G6 --- CCE[CCE] G6 --- EC[EC] G6 --- SM[SM] G6 --- TC[TC] G6 --- LG[LG] G6 --- SP[SP] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Development and rapid deployment of supply chain, business process standards and services, creating a common language and open processes that provide measurable benefits that are vital to the evolution of the global trading network Implement and certify adoption of these standards, ensuring that one set of governance rules applies worldwide Provide business value, and users specify best practices that allow users to maximize | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> IDA (Information Distribution Agreement) PIP3A1 (Request Quote) and PIP3A4 (Request Purchase Order) PIP2A10 (Distribute Design Engineering Information) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Global council Member (USD 80'000), Global Partner Member (USD 4'500) Total number of members: 6 Names of main members and their countries <ul style="list-style-type: none"> BIntel, Nokia, HP, IBM, Cisco Systems, Exel | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (Royalty Free) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Lawrenceville, New Jersey, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.rosettanel.org/, TEL: +1 609 620 0200 | | |

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| Name of Forum | SA Forum (Service Availability) | | |
| Active Purpose | Others | Established Date | 2001 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --- B[] B --- C[Marketing WG] B --- D[Technical WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To improve the situation by developing the missing standard interfaces necessary to enable the delivery of highly available carrier-grade systems with off-the-shelf hardware platforms, middleware and service applications Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Specifications are hardware independent Specifications are OS independent Collaborate with other standards bodies and integrate relevant specifications | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Hardware Platform Interface Specification B.02 Application Interface Specification B.03 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Promoter Member (USD 25'000), Contributor Member (USD 10'000), Adaptor Member (USD 2'000) Total number of members: 35 Names of main members and their countries <ul style="list-style-type: none"> GoAhead Software, Ericsson, Motorola, Intel, RADISYS, Alcatel-Lucent, Nortel Networks, Nokia, Fujitsu, NEC | | |
| Cooperative Relationships | <ul style="list-style-type: none"> SCOPE Alliance, Linux Foundation | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 3855 SW 153rd Drive Portland, OR 97006 URL and telephone number <ul style="list-style-type: none"> URL: http://www.saforum.org, TEL: +1 503 619 0576 | | |

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| Name of Forum | SAL-C (Smart Active Label Consortium) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2002 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <pre> graph LR EB[Executive Board] --- IUT[Industry/End-User Team] EB --- DT[Demonstration Team] EB --- ST[Standards Team] EB --- TT[Technology Team] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Industrial & End User Team Demonstration Team Standard Team: Technical Team: developed Technologies of power source, RF, Sensing and Semiconductor | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) SMART Active Label (SAL) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Executive Member (USD 50'000 ~ 100'000), Principal Member (USD 7'500 ~ 25'000), Associate Member (USD 5'000) Total number of members: 12 Names of main members and their countries IDTechEX, ETRI, Powerpaper, White electric Designs | | |
| Cooperative Relationships | <ul style="list-style-type: none"> UCC, EAN, AutoID | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) URL and telephone number URL: http://www.sal-c.org, TEL: +1 781 876 8833 | | |

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| Name of Forum | SCA (Smart Card Alliance) | | |
| Active Purpose | Others | Established Date | 2001 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph LR Board[Board of Directors] --- Councils[Industry and Technology Councils] Councils --- Contact[Contact Jess Payment] Councils --- Healthcare[Healthcare Council] Councils --- Identity[Identity Council] Councils --- Physical[Physical Access Council] Councils --- Transportation[Transportation Council] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To stimulate the understanding, adoption, use and widespread application of smart card technology Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Contactless Payments Council: to focus on facilitating the adoption of contactless payments in the U.S. through education programs for consumers, merchants and issuers Healthcare Council: to promote the adoption of smart cards in U.S. healthcare organizations Physical Access Council: focuses on accelerating the widespread acceptance, usage, and application of smart card technology for physical access control Transportation Council: promotes the adoption of interoperable contactless smart card payment systems for transit and other transportation services | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: General Member (USD 4'000), Government Member (USD 1'500), University Member (USD 1'500), Associate Member (USD 1'000) Total number of members: 156 Names of main members and their countries <ul style="list-style-type: none"> Hitachi America Ltd., MasterCard International, Visa USA | | |
| Cooperative Relationships | - | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Alliance Team Headquarters Office 191 Clarksville Rd. Princeton Junction, NJ 08550 URL and telephone number <ul style="list-style-type: none"> URL: http://www.smartcardalliance.org, TEL: +1 800 556 6828 | | |

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| Name of Forum | SCOPE Alliance | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2006.01 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To accelerate the deployment of carrier grade base platforms To help, enable and promote the availability of open carrier grade base platforms based on Commercial Off The Shelf (COTS) hardware/software and Free Open Source Software (FOSS) building blocks To promote interoperability to better serve Service Providers and consumers Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Specification Profiles: SCOPE looks into a given open specification and makes an analysis based on knowledge of Carrier Grade systems Reference architecture: SCOPE has created a reference architecture of CGBP giving guidelines on how such platforms could be built using open specification based COTS/FOSS components | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Carrier Grade Base Platform Middleware Carrier Grade Linux Profile 1.2 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Contributor Member (USD 10'000), Supporter Member (USD 1'000) Total number of members: 20 Names of main members and their countries <ul style="list-style-type: none"> Ericsson, Alcatel-Lucent, Huawei, Motorola, NEC | | |
| Cooperative Relationships | <ul style="list-style-type: none"> OSDL, SA Forum | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> SCOPE Administrator c/o IEEE-ISTO 445 Hoes Lane Piscataway, NJ 08854 URL and telephone number <ul style="list-style-type: none"> URL: http://www.scope-alliance.org, TEL: +1 978 824 0111 | | |

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| Name of Forum | SCTE (Society of Cable Telecommunications Engineers) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1969 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure |  <pre> graph TD Members --> Board[Board of Directors] Board --> Officers Board --> Exec[Executive Committee] Board --> Standing[Standing Committees] Standing --> Prof[Professional Development Committee] Standing --> Eng[Engineering Committee] Standing --> Ops[Operations Committee] Standing --> Plan[Planning Committee] Standing --> Fin[Finance Committee] Standing --> Mem[Membership Committee] Eng --> Sub[Subcommittee] Sub --> CAP[Cable Application Platform subcommittee] Sub --> DS[Data Standards Subcommittee] Sub --> DVS[Digital Video Subcommittee] Sub --> EAS[Emergency Alert System Subcommittee] Sub --> HML[Hybrid Management Sub-layer Subcommittee] Sub --> IPI[Interface Practices and In-Home Cabling Subcommittee] DS --> Doc[Docsis 1.0 Maintenance] DVS --> VAS[Video and Audio Services] DVS --> DTA[Data and Transport Applications] DVS --> NAMA[Network Architecture and Management] DVS --> TD[Transmission and Distribution] DVS --> DPI[Digital Program Insertion] HML --> PHY[Physical Layer(PHY)] HML --> MAC[Media Access Control(MAC)] HML --> MS[Message Set] IPI --> Actives IPI --> Passives IPI --> CC[Connector and Cable] IPI --> TP[Test Procedures] IPI --> FOI[Fiber-Optic Interface] IPI --> CM[Construction and Maintenance] IPI --> NEC[NEC implementation Guide] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Provides technical leadership for the telecommunications industry and serves its members through professional development, standards, certification and information Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Cable Application Platform Committee Data Standard Committee Digital Video Committee Emergency Alert Hybrid Management Sub-layer Committee Interface practices and In-Homing Cable Committee | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> CATV Interface Practice, CATV Data Standard (DDS), Digital Video Service | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 350 Total number of members: 130 Names of main members and their countries: – | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, ETSI | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 140 Philips road, Exton, Pa 19341-1318, U.S.A. URL and telephone number <ul style="list-style-type: none"> URL: http://www.scte.org, TEL: +1 800 542 5040 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | SDR (Software Defined Radio) Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1996 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Marketing[Marketing Committee] Board --> Regulatory[Regulatory Committee] Board --> Technical[Technical Committee] Board --> Roadmap[Roadmap Task Group] Board --> Operations[Operations Committee] Technical --> Commercial[Commercial WG] Technical --> Design[Design Process and Tools WG] Technical --> Cognitive[Cognitive WG] Technical --> SPACE[SPACE WG] Technical --> RD[R & D WG] Technical --> SCA[SCA WG] Technical --> Security[SDR Security WG] Technical --> Smart[Smart Antenna WG] Technical --> System[System Interface WG] Technical --> Education[Education WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To support the development and deployment of software-defined and cognitive radio technologies that enable flexible and adaptable architectures in advanced wireless systems Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Marketing Committee: Increase membership and Raise industry awareness through marketing and public relations Technical Committee: To promote the advancement of software-defined radios by using focused working groups to develop open architecture specifications of hardware and software structures Regulatory Committee: To promote the development of a global regulatory framework supporting software download and reconfiguration mechanisms and technologies for SDR-enabled equipment and services | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Software Communication Architecture | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Profit Member (USD 2'500 ~ 8'500), Government and non-profit Member (USD 2'500) Total number of members: 103 Names of main members and their countries <ul style="list-style-type: none"> THALES Communications France Telecom, Hitachi Kokusai Electric, NTT DoCoMo, Qualcomm | | |
| Cooperative Relationships | <ul style="list-style-type: none"> 3GPP, RAST, OMG, OMA | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> SDR Forum, 1616 17th Street, Suite 264 Denver, CO 80202 URL and telephone number <ul style="list-style-type: none"> URL: http://www.sdrforum.org, TEL: +1 978 824 0111 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | SIP Forum (Session Initiation Protocol) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1997 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph LR A[Board of Directors] --- B[Marketing WG] A --- C[Technical WG] A --- D[Test Event WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To advance the adoption of products and services based on SIP – Promotes SIP as the technology of choice for the control of real-time multimedia communication sessions throughout the Internet, corporate networks, and wireless networks • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Marketing Working Group: to promote the advancement of the SIP products and services industry by creating and managing the outbound communications – Technical Working Group: to produce technical documents, software, training and not-for-profit services for and using SIP-based technology – Test Event Working Group (SIPit): to ensure the effective execution of product interoperability test events operated or sponsored by the SIP Forum | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: EUR 5'000 • Total number of members: 34 • Names of main members and their countries – Pingtel Corp, Cisco Systems, Ericsson, Lucent | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • IETF | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – SIP Forum c/o Matrisen AB Box 22059 104 22 Stockholm Sweden • URL and telephone number – URL: http://www.sipforum.org, TEL: +1 978 824 0111 | | |

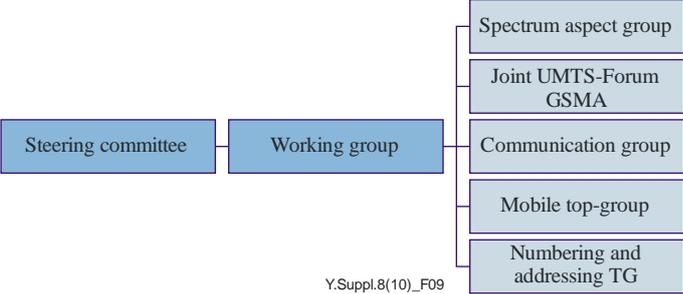
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|---------------------------|---|------------------|---------|
| Name of Forum | SNIA (Storage Networking Industry Association) | | |
| Active Purpose | Others | Established Date | 1997.12 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- ED[Executive Director SNIA Staff] Board --- SNW[SNW Board] Board --- EUC[End User Council] Board --- TC[Technical Council] Board --- SMI[SMI Technical Steering Group] Board --- TCM[Technical Council Managing Director] Board --- RA[Regional Affiliates] Board --- Com[Committees] Board --- For[Forums] Board --- TWG[Technical Work Groups] RA --- ANZ[Australia & New Zealand] RA --- CAN[Canada] RA --- CHN[China] RA --- EUR[Europe] RA --- IND[India] RA --- JPN[Japan] RA --- SA[South Asia] Com --- Conf[Conferences] Com --- Edu[Education & Certification] Com --- EUA[End User Advocacy] Com --- Int[International] Com --- Inter[Interoperability] Com --- Mkt[Marketing] For --- Pers[Personnel] For --- Prof[Professional Practices] For --- SMI[Storage Management Initiative] For --- STC[SNIA Technology Center] For --- Web[Web Management] TWG --- DM[Data Management] TWG --- IPS[IP Storage] TWG --- SM[Storage Management] TWG --- SSIF[Storage Security Industry Forum] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Lead the storage industry worldwide in developing and promoting standards, technologies, and educational services to empower organizations in the management of information Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Common RAID Disk Data Format TWG Disk Resource Management TWG Fibre Channel TWG File Systems Management TWG Fixed Content Aware Storage TWG Host TWG Information Lifecycle Management TWG IP Storage TWG Security TWG XAM Software Development Kit TWG | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> SMI-S, DDF | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Voting Vendor (USD 12'500 ~ 30'000), IT END user (USD 1'000), Private Member (USD 300) Total number of members: 382 Names of main members and their countries <ul style="list-style-type: none"> Brocade, Cisco, CA, Dell, EMC, Hewlett-Packard | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ARMA International, DMTF, FCIA, OGF | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 500 Sansome Street, Suite #504, San Francisco, CA 94111 URL and telephone number <ul style="list-style-type: none"> URL: http://www.snia.org, TEL: (415) 402 0006 | | |

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|---------------------------|--|------------------|------|
| Name of Forum | TM Forum (Telemanagement) | | |
| Active Purpose | Development of pre-standards | Established Date | 1988 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph LR Board[Board of Directors] --- Tech[Technical Committee] Board --- Op[Operation Committee] Board --- Bus[Business/Education Committee] Tech --- Prog[Technical Program] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Focuses on transforming business processes, operations and systems for managing and monetizing on-line Information, Communications and Entertainment services Provides strategic leadership, business guidance, best practices, and pragmatic standards that empower companies to reduce costs, reduce time to market and improve service quality Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical Committee Operation Committee Business/Education Committee | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> New Generation Operation and Software Release 6.1 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 1'350 ~ 50'000 Total number of members: 500 Names of main members and their countries <ul style="list-style-type: none"> Argent Networks Limited, AT&T Inc., China Telecommunications, Lucent Technologies Inc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU-T A.4, ITU-T A.5 | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Headquarters: 240 Headquarters Plaza East Tower, 10th Floor Morristown, NJ 07960-6628 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.tmforum.org, TEL: +1 973 944 5100 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | TOG (The Open Group) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1996.02 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | N/A | | |
| Core Activities | <ul style="list-style-type: none"> Mission: Boundaryless Information Flow™ achieved through global interoperability <ul style="list-style-type: none"> To drive the creation of Boundaryless Information Flow™ achieved by: <ul style="list-style-type: none"> Working with customers to capture, understand and address current and emerging requirements, establish policies, and share best practices Working with suppliers, consortia and standards bodies to develop consensus and facilitate interoperability, to evolve and integrate specifications and open source technologies Offering a comprehensive set of services to enhance the operational efficiency of consortia; and Developing and operating the industry's premier certification service and encouraging procurement of certified products Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture Forum has developed and is evolving a comprehensive enterprise architecture framework to enable businesses Enterprise Management Forum works to develop a common manageability infrastructure Identity Management Forum focuses on promoting effective, open standards-based identity management, which allows the right information on identity to reach the right people | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> TOGAF (TOG Architecture Framework) V9.0 Application Response Measurement | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: platinum Member, Gold Member, Silver Member Total number of members: 255 Names of main members and their countries <ul style="list-style-type: none"> Energistics, Hewlett-Packard, Fujitsu Limited, Hitachi Limited, IBM, NEC Corporation | | |
| Cooperative Relationships | <ul style="list-style-type: none"> OMG, DMTF, TM Forum, IETF, OASIS | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> The Open Group 44 Montgomery Street Suite 960 San Francisco, CA 94104-4704, USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.opengroup.org, TEL: +1 (208) 567 1872 | | |

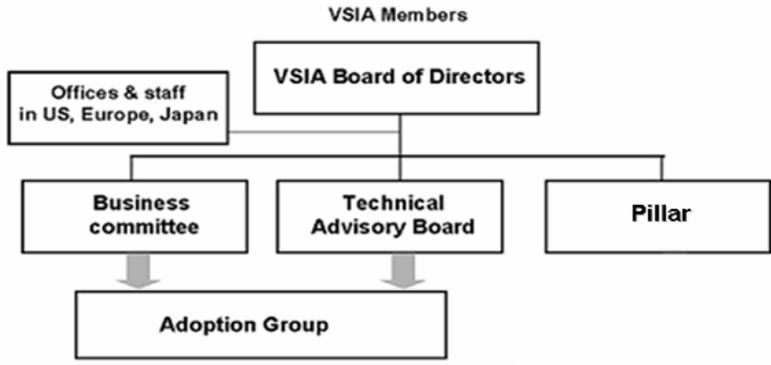
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|---------------------------|---|------------------|---------|
| Name of Forum | TD-SCDMA (Time-Division Synchronous CDMA) Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2000.12 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD BC[Board Council] --> S[Secretariat] S --> FD[Functional Departments] S --> EG[Expert Groups] FD --> MD[Member Dept] FD --> PD[Products Dept] FD --> BDD[Business Development Dept] FD --> PRMD[Public Relation & Media Dept] FD --> OCD[Overseas Communication Dept] FD --> DRD[Data & Resources Dept] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> TD-SCDMA International Summit Different seminars Trainings on TD-SCDMA and other related topics Salons and other informal communications Popularize and promote TD-SCDMA internationalization and evolution Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Monitor industry trend and conduct researches on important issues, with the goal to help our members in reaching right investment strategy and efficiently allocating their resources. Hold Seminars on TD-SCDMA International Summit | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> On Jan. 19, 2007, the 8th TD-SCDMA Forum presidium meeting and board meeting was held successfully 2007 (International) Summit on Application in Wireless Communications hosted by China Center for Information Industry Development (CCID) in association with TD-SCDMA Forum was held on Apr. 24-25 in Beijing TD-SCDMA hosted a salon on Dec. 21st, 2007 in Beijing. The activity aimed to better explore issues in the ongoing TD-SCDMA network trials and the forthcoming TD-SCDMA commercialization | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Common Members: no fee, Senior Members: enterprises: RMB 50'000, institutions: RMB 20'000 Total number of members: 420 Names of main members and their countries <ul style="list-style-type: none"> China Mobile, China Telecom, China Unicom, Motorola, Nortel, Siemens | | |
| Cooperative Relationships | <ul style="list-style-type: none"> GSMA, CDG, 3GPP | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Room 1501, Office Tower B, Horizon International Tower, No. 6 Zhichun Road Haidian District, Beijing, PRC URL and telephone number <ul style="list-style-type: none"> URL: http://www.tdscdma-forum.org, TEL: +86-10-82800365/6/7/8 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | TV-Anytime Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1999.07 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD Board[Board] --> WorkingGroup[Working group] Board --> LiaisonOffice[Liaison office] WorkingGroup --> STC[STC] WorkingGroup --> Metadata[Metadata] WorkingGroup --> BM[BM] WorkingGroup --> RMP[RMP] </pre> <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F08</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop specifications to enable audio-visual and other services based on mass-market high volume digital storage in consumer platforms – simply referred to as local storage Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Business Models WG: develops key features and functionalities required to meet the vast range of business models across this industry System, Transport Interfaces and Content Referencing WG: is responsible for the total architecture and consistency of the TV-Anytime System Metadata WG: is responsible for the total architecture and consistency of the TV-Anytime System Rights Management and Protection WG: develops standards to enable the secure and flexible expression and enforcement of rights holders' usage conditions for media distributed to personal digital recorders | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> TVA-Phase 2 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 3'000 Total number of members: 47 Names of main members and their countries <ul style="list-style-type: none"> ABC, BBC, BT, NDS, Philips, NHK, NTT, Sony, Microsoft | | |
| Cooperative Relationships | – | | |
| IPR policy | – | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Administrator PO Box 402 Epsom, KT17 3XT UK URL and telephone number <ul style="list-style-type: none"> URL: http://www.tv-anytime.org, TEL: +44 1737 358 799 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | UMTS Forum (Universal Mobile Telecommunications System) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1996.12 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure |  <pre> graph LR SC[Steering committee] --- WG[Working group] WG --- SAG[Spectrum aspect group] WG --- JUMTS[Joint UMTS-Forum GSMA] WG --- CG[Communication group] WG --- MTG[Mobile top-group] WG --- NATG[Numbering and addressing TG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: promoting the global uptake of UMTS third generation (3G) mobile systems and services. <ul style="list-style-type: none"> To promote a common vision of the development of UMTS and to ensure its worldwide success To express a strong, unified industry voice promoting UMTS and WCDMA technology through lobbying and promotional actions globally To forge high-level dialogue between operators and other market players that can ensure commercial success for all To present market knowledge that aids the rapid development and uptake of new services and applications Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Spectrum Aspect Group Joint UMTS-GSMA Mobile IPTV Group Communication Group Mobile Top-level Domain Group Numbering & Address Task Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (EUR 11'400), Associate Member (EUR 3'000) Total number of members: 50 Names of main members and their countries <ul style="list-style-type: none"> Alcatel, Ericsson, Nokia, Nortel | | |
| Cooperative Relationships | <ul style="list-style-type: none"> 3GPP, GSM Association, GSA, ITU and ETSI | | |
| IPR policy | <ul style="list-style-type: none"> Available (FRAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> UMTS Forum, Russell Square House, 10-12 Russell Square, London, WC1B 5EE, United Kingdom URL and telephone number <ul style="list-style-type: none"> URL: www.umts-forum.org, TEL: +44 (0) 20 7331 2020 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | UPnP (Universal Plug and Play Forum) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1999.10 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD A[UPnP Forum] --- B[Steering Committee] B --- C[Technical Committee Working Committee Compliance Taskforce] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To allow devices to connect seamlessly and to simplify network implementation in the home and corporate environments – Develop standards for Interoperable device Services using Common technology: TCP/IP, SOAP and XML • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – AV WG – Home Automation WG – Gateway WG – QoS WG – Storage WG – Remote Access WG – Low Power WG | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Device Control Protocol, UPnP QoS Device 2 – Device Architecture Version 1.1 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 828 • Names of main members and their countries <ul style="list-style-type: none"> – 3COM Corporation, Alcatel Telecom, Cisco Systems, Compaq Computer Corporation, Fujitsu Limited, Hewlett-Packard Company | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • ITU-T A.4, ITU-T A.5 | | |
| IPR policy | <ul style="list-style-type: none"> • Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 3855 SW 153rd DriveBeaverton, OR 97006 USA • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.upnp.org/, TEL: +1 954 782 6365 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | USB Implementers Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1995 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph LR Board[Board of Directors] --- Working[Working Committee] Working --- DWG[USB Device Working Group] Working --- CC[Compliance Committee] Working --- MC[Marketing Committee] Working --- OTG[On-The-Go Working Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Facilitates the development of high-quality compatible USB peripherals (devices), and promotes the benefits of USB and the quality of products that have passed compliance testing • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Device Working Group (DWG): promotes increased interoperability and reliability between USB products through documents that augment, enhance and extend USB specifications – Compliance Committee: to create a reproducible test procedure that accomplishes the same compliance testing – Marketing Committee: to promote USB technology to both the computing industry and in the channel | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – USB 2.0 CWUSB (Certified Wireless USB), High Speed USB | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: USD 4'000 • Total number of members: 748 • Names of main members and their countries <ul style="list-style-type: none"> – Intel Corporation, NXP Semiconductors, Agere Systems, Hewlett-Packard, Microsoft Corporation | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Wimedia Alliance, 1394 TA, IEEE802 | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 3855 SW 153rd Drive Beaverton, OR 97006 • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.usb.org/, TEL: 503 619 0426 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | VSI (Virtual Socket Interface) Alliance | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1996.09 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure |  <p>The diagram shows the organizational structure of the VSI Alliance. At the top is 'VSIA Members'. Below it is the 'VSIA Board of Directors'. To the left of the Board is a box for 'Offices & staff in US, Europe, Japan'. Below the Board are three boxes: 'Business committee', 'Technical Advisory Board', and 'Pillar'. Arrows point from both the 'Business committee' and 'Technical Advisory Board' to a box at the bottom labeled 'Adoption Group'.</p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Develop the specification, standards focused on semiconductor IP integration • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – IP Quality Pillar: creates standards that ease the integration of IP cores into Systems-on-Chip (SoCs) – IP Protection Pillar: define, develop and document open, interoperable, standards-based solutions for IP protection – IP Transfer Pillar: provides standards facilitating the exchange of IP between consumers and providers | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: General Membership (USD 5'000 ~ 20'000) • Total number of members: 26 • Names of main members and their countries <ul style="list-style-type: none"> – Intel, Cadence, Freescale, LSI Logic, Mentor | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – VSI Alliance Main Office, 401 Edgewater Place, Suite 600, Wakefield, MA 01880 • URL and telephone number <ul style="list-style-type: none"> – URL: www.vsia.org, TEL: +1 (781) 876-8822 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Voice XML Forum (eXtensible Markup Language) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1999.03 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph LR Board[Board of Directors] --- Marketing[Marketing Committee] Board --- Technical[Technical Council] Technical --- Accessibility[Accessibility Committee] Technical --- Conformance[Conformance Committee] Technical --- Education[Education Committee] Technical --- MRCP[MRCP Committee] Technical --- Tools[Tools Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: promote the Voice Extensible Markup Language (VoiceXML) <ul style="list-style-type: none"> To promote VoiceXML To educate the community about VoiceXML technology and resources To establish and promote a VoiceXML conformance program to ensure interoperability of platforms, tools, and applications across the industry To study VoiceXML tools and drive the creation of new tools that may be needed to assist developers in creating VoiceXML services To provide input to the W3C and other standards bodies on VoiceXML and related topics Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Marketing Committee: to market and promote the adoption of VoiceXML Specifications Technical Councils: provides technical guidance to the Forum with regard to VoiceXML, X+V, and other related languages Accessibility Committee: to investigate and champion accessibility issues within the VoiceXML community Conformance Committee: provides the industry with a test suite for VoiceXML to ensure interoperability of platforms, tools, and applications | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership And Fees | <ul style="list-style-type: none"> Annual membership fee: Promoters Member (USD 5'000), Supporter Member (USD 500) Total number of members: 99 Names of main members and their countries <ul style="list-style-type: none"> Motorola, Genesys Lab, AT&T, IBM, Lucent | | |
| Cooperative Relationships | <ul style="list-style-type: none"> IETF, W3C, ECMA, SIP Forum | | |
| IPR policy | <ul style="list-style-type: none"> Available (Royalty Free) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> VoiceXML Forum Headquarters: c/o IEEE-ISTO 445 Hoes Lane Piscataway, NJ 08854 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.voicexml.org, TEL: + 1 732 465 6464 | | |

| | | | |
|---------------------------|--|------------------|------|
| Name of Forum | VoIPSA (Voice over IP Security Alliance) | | |
| Active Purpose | Others | Established Date | 2005 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph LR A[Board of Directors] --- B[Threat Taxonomy WG] A --- C[Security Requirement WG] A --- D[Best Practices WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To drive adoption of VoIP by promoting the current state of VoIP security research, VoIP security education and awareness, and free VoIP testing methodologies and tools. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Security Requirements Committee – Security Research Committee – Testing Committee | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Threat Taxonomy is meant to help define the many potential security threats to VoIP deployments, services, and end users | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 100 • Names of main members and their countries <ul style="list-style-type: none"> – 3Com, NTT, Nortel, Juniper Networks | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> • Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.voipsa.org, TEL: | | |

| | | | |
|---------------------------|---|------------------|------|
| Name of Forum | VSF (Video Services Forum) | | |
| Active Purpose | Others | Established Date | 1997 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --- B[Activity Group] B --- C[Activity Sub-Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: Dedicated to interoperability, quality metrics and education for video networking technologies <ul style="list-style-type: none"> Providing forums to identify issues involving the development, engineering, installation, testing and maintenance of video networking technologies Exchanging non-proprietary information to promote the development of video networking technology and foster resolution of issues common to the video services industry Promoting interoperability by contributing to and supporting development of standards by national and international standards bodies Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WAN Video IP Activity Group is investigating high quality/contribution video over IP infrastructure current or draft standard documents with the objective of leveraging the VSF knowledge base and making appropriate recommendations, modifications or new documents High Bit Rate Audio Video over IP (HBRAV-IP) Transport and FEC will create and shepherd a standard for an encapsulation and FEC process for high bit rate video/audio services up to 3 Gbit/s | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – Total number of members: 50 Names of main members and their countries <ul style="list-style-type: none"> AT&T, BT, Verizon, SPIRENT | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 467 Hampton Lane Somerdale, NJ 08083 URL and telephone number <ul style="list-style-type: none"> URL: http://www.videoservicesforum.org/, TEL: (856) 627 6672 | | |

| Name of Forum | W3C (World Wide Web Consortium) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|------------------------|------------------|---------------------|-------------|------------------------|----------------|-------------------|-----|----------|---------------|-----|---------------------|--------|--------|-------|----------|------------|-----|--------|---------|-------|------------|--------|------|-------------------|-------|--------|--------|---------|--------|----------------|--------|---------|--------------|------------|-----------|-----------|------------|----------|--------------|-------------|---------|-------------------|------|----------|----------------|-------|----------|---------|-----------|---------------|-------|-----------|-----------------|-----------|------------------|---------|-----------|--------|--------|--|---------|--------|------------|-------|--|--|------|-------------|--------|--|--|--------------|-------|---------|--|--|---------------|--------|------------|--|--|---------|--------------------------|-------|--|--|-----------------|---------|--|--|--|-----|-------|--|--|--|--------|--------|--|--|----------------|--------------|-----------|--|--|-----------|----------------|--|--|--|-------------------|----------------|--|--|--|-------|---------------|--|--|--|-------------------|-------|--|--|--|--|-----------------|--|--|--|--|----------------|--|--|--|--|-----------|--|--|--|--|----------------|--|--|--|--|-----------------|--|--|--|--|
| Active Purpose | Development of "de facto" standards | Established Date | 1994.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organizational Structure | <p style="text-align: center;">W3C Group</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #f4a460;">Architecture</th> <th style="background-color: #f4a460;">Interaction</th> <th style="background-color: #f4a460;">Technology and society</th> <th style="background-color: #f4a460;">Ubiquitous web</th> <th style="background-color: #f4a460;">Web accessibility</th> </tr> </thead> <tbody> <tr> <td style="background-color: #f4a460;">DOM</td> <td style="background-color: #f4a460;">Graphics</td> <td style="background-color: #f4a460;">Patent policy</td> <td style="background-color: #f4a460;">MWI</td> <td style="background-color: #f4a460;">Ind. program office</td> </tr> <tr> <td style="background-color: #ffff00;">DOM IG</td> <td style="background-color: #f4a460;">SIG WG</td> <td style="background-color: #ffff00;">PP IG</td> <td style="background-color: #f4a460;">MW EP WG</td> <td style="background-color: #f4a460;">E and O WG</td> </tr> <tr> <td style="background-color: #f4a460;">XML</td> <td style="background-color: #f4a460;">WebCGM</td> <td style="background-color: #f4a460;">Privacy</td> <td style="background-color: #f4a460;">DD WG</td> <td style="background-color: #ffff00;">R and D WG</td> </tr> <tr> <td style="background-color: #f4a460;">EXI WG</td> <td style="background-color: #f4a460;">HTML</td> <td style="background-color: #f4a460;">Security activity</td> <td style="background-color: #f4a460;">TS WG</td> <td style="background-color: #ffff00;">WAI CG</td> </tr> <tr> <td style="background-color: #f4a460;">XML WG</td> <td style="background-color: #f4a460;">HTML WG</td> <td style="background-color: #f4a460;">WSC WG</td> <td style="background-color: #f4a460;">Multimodel iut</td> <td style="background-color: #ffff00;">WAI IG</td> </tr> <tr> <td style="background-color: #f4a460;">Core WG</td> <td style="background-color: #f4a460;">Hypertext WG</td> <td style="background-color: #f4a460;">XML SEC WG</td> <td style="background-color: #f4a460;">MM iut WG</td> <td style="background-color: #f4a460;">Technical</td> </tr> <tr> <td style="background-color: #ffff00;">Plenary IG</td> <td style="background-color: #f4a460;">XHTML WG</td> <td style="background-color: #f4a460;">Semantic Web</td> <td style="background-color: #f4a460;">UbiWeb appl</td> <td style="background-color: #f4a460;">ATAG WG</td> </tr> <tr> <td style="background-color: #f4a460;">XML processing WG</td> <td style="background-color: #f4a460;">Math</td> <td style="background-color: #f4a460;">GRDDL WG</td> <td style="background-color: #f4a460;">UbiWeb appl WG</td> <td style="background-color: #f4a460;">ER WG</td> </tr> <tr> <td style="background-color: #f4a460;">Query WG</td> <td style="background-color: #f4a460;">Math WG</td> <td style="background-color: #f4a460;">POWDER WG</td> <td style="background-color: #f4a460;">Voice browser</td> <td style="background-color: #f4a460;">PF WG</td> </tr> <tr> <td style="background-color: #ffff00;">Schema IG</td> <td style="background-color: #f4a460;">Rich web client</td> <td style="background-color: #f4a460;">RDF DA WG</td> <td style="background-color: #f4a460;">Voice browser WG</td> <td style="background-color: #f4a460;">UAAG WG</td> </tr> <tr> <td style="background-color: #f4a460;">Schema WG</td> <td style="background-color: #f4a460;">CDF WG</td> <td style="background-color: #f4a460;">RIF WG</td> <td></td> <td style="background-color: #f4a460;">WCAG WG</td> </tr> <tr> <td style="background-color: #f4a460;">XSL WG</td> <td style="background-color: #f4a460;">Web API WG</td> <td style="background-color: #f4a460;">SW CG</td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">I18N</td> <td style="background-color: #f4a460;">Web App. WG</td> <td style="background-color: #f4a460;">SWD WG</td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">I18N Core WG</td> <td style="background-color: #f4a460;">Style</td> <td style="background-color: #ffff00;">SWEO IG</td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">I18N G.E.O WG</td> <td style="background-color: #f4a460;">CSS WG</td> <td style="background-color: #ffff00;">SW HCLS IG</td> <td></td> <td></td> </tr> <tr> <td style="background-color: #ffff00;">I18N IG</td> <td style="background-color: #f4a460;">Synchron. and multimedia</td> <td style="background-color: #ffff00;">SW IG</td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">I18N Tag Set WG</td> <td style="background-color: #f4a460;">SYMM WG</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">URI</td> <td style="background-color: #f4a460;">TT WG</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">URI WG</td> <td style="background-color: #f4a460;">XForms</td> <td></td> <td></td> <td style="background-color: #f4a460;">Technical arch</td> </tr> <tr> <td style="background-color: #f4a460;">Web services</td> <td style="background-color: #f4a460;">XForms WG</td> <td></td> <td></td> <td style="background-color: #f4a460;">Incubator</td> </tr> <tr> <td style="background-color: #f4a460;">SA for WSDL WG</td> <td></td> <td></td> <td></td> <td style="background-color: #f4a460;">Quality assurance</td> </tr> <tr> <td style="background-color: #ffff00;">Semantic WS IG</td> <td></td> <td></td> <td></td> <td style="background-color: #ffff00;">QA IG</td> </tr> <tr> <td style="background-color: #f4a460;">Addressing WG</td> <td></td> <td></td> <td></td> <td style="font-size: small;">Y.Suppl.8(10)_F10</td> </tr> <tr> <td style="background-color: #f4a460;">WS CG</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">Choreography WG</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">Description WG</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">WS Policy</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">Databinding WG</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="background-color: #f4a460;">XML Protocol WG</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | Architecture | Interaction | Technology and society | Ubiquitous web | Web accessibility | DOM | Graphics | Patent policy | MWI | Ind. program office | DOM IG | SIG WG | PP IG | MW EP WG | E and O WG | XML | WebCGM | Privacy | DD WG | R and D WG | EXI WG | HTML | Security activity | TS WG | WAI CG | XML WG | HTML WG | WSC WG | Multimodel iut | WAI IG | Core WG | Hypertext WG | XML SEC WG | MM iut WG | Technical | Plenary IG | XHTML WG | Semantic Web | UbiWeb appl | ATAG WG | XML processing WG | Math | GRDDL WG | UbiWeb appl WG | ER WG | Query WG | Math WG | POWDER WG | Voice browser | PF WG | Schema IG | Rich web client | RDF DA WG | Voice browser WG | UAAG WG | Schema WG | CDF WG | RIF WG | | WCAG WG | XSL WG | Web API WG | SW CG | | | I18N | Web App. WG | SWD WG | | | I18N Core WG | Style | SWEO IG | | | I18N G.E.O WG | CSS WG | SW HCLS IG | | | I18N IG | Synchron. and multimedia | SW IG | | | I18N Tag Set WG | SYMM WG | | | | URI | TT WG | | | | URI WG | XForms | | | Technical arch | Web services | XForms WG | | | Incubator | SA for WSDL WG | | | | Quality assurance | Semantic WS IG | | | | QA IG | Addressing WG | | | | Y.Suppl.8(10)_F10 | WS CG | | | | | Choreography WG | | | | | Description WG | | | | | WS Policy | | | | | Databinding WG | | | | | XML Protocol WG | | | | |
| Architecture | Interaction | Technology and society | Ubiquitous web | Web accessibility | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DOM | Graphics | Patent policy | MWI | Ind. program office | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DOM IG | SIG WG | PP IG | MW EP WG | E and O WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XML | WebCGM | Privacy | DD WG | R and D WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXI WG | HTML | Security activity | TS WG | WAI CG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XML WG | HTML WG | WSC WG | Multimodel iut | WAI IG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Core WG | Hypertext WG | XML SEC WG | MM iut WG | Technical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plenary IG | XHTML WG | Semantic Web | UbiWeb appl | ATAG WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XML processing WG | Math | GRDDL WG | UbiWeb appl WG | ER WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Query WG | Math WG | POWDER WG | Voice browser | PF WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schema IG | Rich web client | RDF DA WG | Voice browser WG | UAAG WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schema WG | CDF WG | RIF WG | | WCAG WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XSL WG | Web API WG | SW CG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I18N | Web App. WG | SWD WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I18N Core WG | Style | SWEO IG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I18N G.E.O WG | CSS WG | SW HCLS IG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I18N IG | Synchron. and multimedia | SW IG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I18N Tag Set WG | SYMM WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URI | TT WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URI WG | XForms | | | Technical arch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Web services | XForms WG | | | Incubator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SA for WSDL WG | | | | Quality assurance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Semantic WS IG | | | | QA IG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Addressing WG | | | | Y.Suppl.8(10)_F10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WS CG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Choreography WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Description WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WS Policy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Databinding WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XML Protocol WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Core Activities | <ul style="list-style-type: none"> Mission: To lead the World Wide Web to its full potential by developing protocols and guidelines that ensure long-term growth for the Web <ul style="list-style-type: none"> Develops interoperable technologies (specifications, guidelines, software, and tools) to lead the Web to its full potential. W3C is a forum for information, commerce, communication, and collective understanding Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture Domain Interaction Domain ubiquitous Domain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: EUR ~65'000 Total number of members: 441 Names of main members and their countries <ul style="list-style-type: none"> MS, HP, Adobe, AT&T, Google, IBM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Voice XML Forum, OMA, OASIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR policy | <ul style="list-style-type: none"> Available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> MIT, ERCIM, Keio University URL and telephone number <ul style="list-style-type: none"> URL: http://www.w3.org, TEL: – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---------------------------|---|------------------|------|
| Name of Forum | Web 3D Consortium | | |
| Active Purpose | Development of pre-standards | Established Date | 1996 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- TC[Technical Committee] TC --- UI[User Interface WG] TC --- PS[Programmable Shaders WG] TC --- CAD[CAD WG] TC --- Geo[GeoSpatial WG] TC --- Med[Medical WG] TC --- DIS[DIS-XML WG] TC --- Viz[VizSim WG] TC --- H[H-Anim WG] TC --- X3D[X3D Conformance Program WG] TC --- Src[X3D Source WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Develop and advance an open standards, royalty free 3D interchange format based on XML, along with tools to represent and communicate 3D scenes and objects Work Group Characteristics and Deliverables <ul style="list-style-type: none"> User Interface WG: to design and propose ways to support general UI functionality in X3D content X3D Conformance Program: promote consistent and reliable implementations of the X3D specification by many vendors across multiple platforms Geospatial WG: focused on developing tools and recommended practice for the representation of geographical data using X3D | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> X3D | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Organization/Directing Level (USD 1'500 ~ 95'000) Professional/Student Level (USD 25 ~ 100) Total number of members: 26 Names of main members and their countries <ul style="list-style-type: none"> NIST, Sun Microsystems, Bitmanagement, L-3 Communications | | |
| Cooperative Relationships | <ul style="list-style-type: none"> JTC 1 SC24, W3C, OGC, Khronos Group | | |
| IPR policy | <ul style="list-style-type: none"> Available (Royalty Free) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Web3D Consortium 225 Bush Street, 16th Floor, PMB # 8900 San Francisco, CA 94104 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.web3d.org, TEL: – | | |

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|---------------------------|--|------------------|------|
| Name of Forum | WfMC (Workflow Management Coalition) | | |
| Active Purpose | Others | Established Date | 1993 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Steering[Steering Committee] Board --> Technical[Technical Committee] Board --> External[External Relation Committee] Technical --> Working[Working Group] Working --> WG1[WG1] Working --> WG23[WG2/3] Working --> WG4[WG4] Working --> WG5[WG5] Working --> WG_omg[WG on OMG] Working --> WG_oasis1[WG on OASIS] Working --> WG_oasis2[WG on OASIS] Working --> WGRM[WGRM] Working --> WG9[WG9] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Increase the value of customers' investment with business process technology Decrease the risk of using BPM and workflow products through interoperability standards Expand the BPM market through increasing awareness of the business value of process management Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WG1 Process Definition Interchange Model & APIs (XPDL Committee) WG2/3 Client/Application APIs WG4 Workflow Interoperability WG5 Administration & Monitoring | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> XPDL (XML Process Definition Language) BPRL (Business Process Run-time Interface) | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Full Member (USD 3'500), Associate Member (USD 1'500), Individual Member (USD 500) Total number of members: 248 Names of main members and their countries <ul style="list-style-type: none"> Adobe, IBM, Fujitsu SW, Lucent Technology | | |
| Cooperative Relationships | <ul style="list-style-type: none"> OMG, OASIS, BPMI | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Future Strategies Inc (WfMC Services) 2436 N. Federal Highway #374 Lighthouse Point FL 33064 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.wfmc.org, TEL: +1 954 782 3376 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | WIFI Alliance (Wireless Internet Fidelity) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1999.10 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> Marketing[Marketing Committee] Board --> Technical[Technical Committee] Board --> Spectrum[Spectrum & Regulatory Committee] Marketing --> M802[802.11n TG] Marketing --> MMPA[Manage & Public Access TG] Marketing --> MWMSA[WMMSA TG] Marketing --> MVOIP[Voice over WIFI TG] Marketing --> MWIC[WIFI & Celkura TG] Marketing --> MEUT[Ease of Use TG] Technical --> T802[802.11n TG] Technical --> TMPA[Manage & Public Access TG] Technical --> TWMSA[WMMSA TG] Technical --> TVOIP[Voice over WIFI TG] Technical --> TWIC[WIFI & Celkura TG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Driving the adoption of a single worldwide-accepted standard for high-speed wireless local area networking Testing and certification programs help ensure the interoperability of WLAN products based on the IEEE 802.11 specification Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Marketing Committee Technical Committee Spectrum & Regulatory Committee | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Regular Member (USD 15'000) Total number of members: 300 Names of main members and their countries <ul style="list-style-type: none"> Cisco Systems, Broadcom Corporation, Dell, Intel, Microsoft, Motorola, Nokia, Philips, Sony Corporation, Texas Instruments | | |
| Cooperative Relationships | <ul style="list-style-type: none"> IEEE802.11 | | |
| IPR policy | - | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Wi-Fi Alliance Headquarters 3925 West Braker Lane, Austin, TX 78759 URL and telephone number <ul style="list-style-type: none"> URL: http://www.wi-fi.org, TEL: +1 (512) 305-0790 | | |

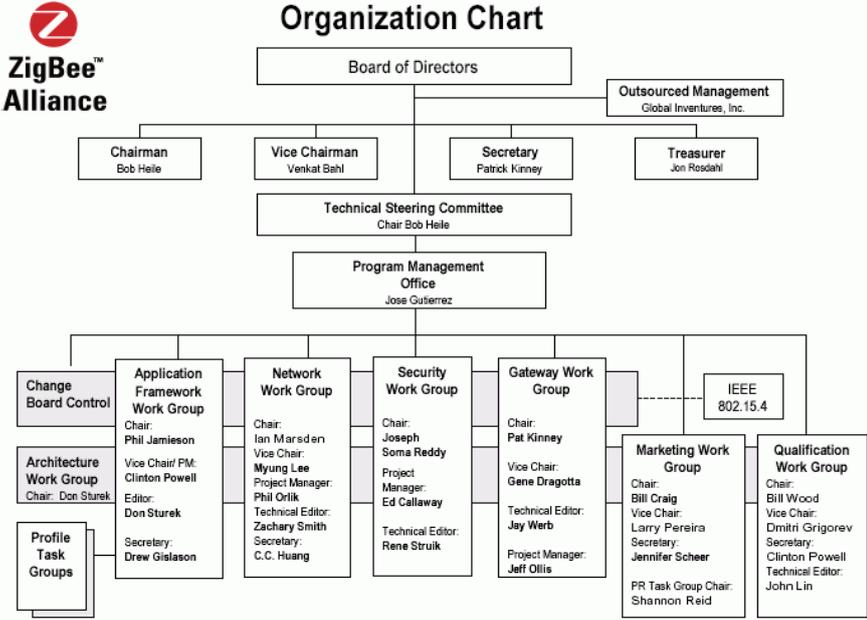
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|---------------------------|--|------------------|---------|
| Name of Forum | WiMAX (Worldwide Interoperability for Microwave Access) Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2001.06 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD President[President] --> ApplicationWG[Application WG] President --> CertificationWG[Certification WG] President --> EvolutionaryTWG[Evolutionary TWG] ApplicationWG --> GlobalRoamingWG[Global Roaming WG] ApplicationWG --> RegulatoryWG[Regulatory WG] CertificationWG --> MarketingWG[Marketing WG] EvolutionaryTWG --> NetworkWG[Network WG] EvolutionaryTWG --> TechnicalWG[Technical WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To certify and promote the compatibility and interoperability of broadband wireless products based upon the harmonized IEEE 802.16/ETSI HiperMAN standard Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Application Working Group (AWG): Defines applications over WiMAX that are necessary Certification Working Group (CWG): Handles the operational aspects of the WiMAX Forum Certified program Evolutionary Technical Working Group (ETWG): Maintains existing OFDM profiles, develops additional fixed OFDM profiles, and develops technical specifications for the evolution of the WiMAX Forum's OFDM based networks Network Working Group (NWG): Creates higher level networking specifications for fixed, nomadic, portable and mobile WiMAX systems | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> WiMAX Forum Mobile System Profile Release 1.0 Revision 1.4 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Principal Member (USD 25'000 ~ 40'000), Regular Member (USD 5'000 ~ 15'000) Total number of members: 471 Names of main members and their countries <ul style="list-style-type: none"> Intel Corporation, Alvarion, AT&T, British Telecom, Motorola | | |
| Cooperative Relationships | <ul style="list-style-type: none"> IEEE802.16, ETSI | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> WiMAX Forum 15455 NW Greenbrier Pkwy Suite 210 Beaverton, OR 97006 URL and telephone number <ul style="list-style-type: none"> URL: http://www.wimaxforum.org, TEL: +1 503.924.2922 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | WiMedia Alliance | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2002.09 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Liasons Board --- WWWG Board --- TSC Board --- Marketing[Marketing WG] Board --- Policy[Policy Committee] TSC --- WIMCA TSC --- WIHET TSC --- SMP TSC --- USER TSC --- DIP TSC --- MACMAC[MACMAC-DEV] TSC --- PHY TSC --- WAM TSC --- C&I </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: To promote wireless multimedia connectivity and interoperability between devices in a personal area network Promote and enable the rapid adoption and standardization of UWB worldwide for high-speed wireless, multimedia-capable personal-area connectivity in the PC, CE and mobile market segments Provide a neutral and open forum for multiple industry segments to establish requirements, specifications and best practices for usability and interoperability Promote worldwide UWB spectrum regulations Develop, maintain, enhance and reference technical specifications including PHY/MAC, Convergence architecture to provide coexistence and fairness including support for multiple applications, protocol adaptation layer for the Internet Protocol, IP-based application profiles, etc. | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) High rate Ultra Wideband PHY and MAC standard Version 1.2 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Contributor Member (USD 20'000), Adaptor Member (USD 2'000) Total number of members: 328 (Promoters: 12, Contributors: 53, Adapters: 56, Supporters: 207) Names of main members and their countries HP, Intel Corporations, Sony | | |
| Cooperative Relationships | <ul style="list-style-type: none"> 1394TA, DLNA, USB-IF, IEEE802.15.3 | | |
| IPR policy | <ul style="list-style-type: none"> N/A | | |
| Contact Point | <ul style="list-style-type: none"> URL and telephone number URL: http://www.wimedia.org, TEL: 1.925.275.6604 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | World DMB Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 1999 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SB[Steering Board] GA --> FC[Finance Committee] SB --> TC[Technical Committee TC] SB --> MC[Marketing Committee MC] SB --> RSC[Regulatory & Spectrum Committee RSC] SB --> EDC[European DAB Committee EDC] TC --> CT[Compliance Testing] TC --> VM[Virtual Machine] MC --> EPG[EPG] MC --> CA[Conditional Access] RSC --> MOT[MOT] RSC --> DTI[DTI] EDC --> EP[Error Protection] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Promote the awareness, adoption and implementation of DAB and DMB based on Eureka 147 Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical Committee: oversees the standardization of Eureka 147, which is the basis for both DAB/DAB+ and DMB technology Regulatory and Spectrum Committee (RSC): to produce a regulatory model and to identify possible routes to common regulatory frameworks to facilitate the introduction of DAB/DAB+/DMB services internationally Marketing Committee: to promote Eureka 147 market development and encourage a marketing culture among members | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> DAB, DAB+ | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: CHF 10'000 Total number of members: 123 Names of main members and their countries <ul style="list-style-type: none"> BBC, TDF, Factum, Radioscape, Frontier Silicon, Analog Device | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (RAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> WorldDAB Forum Project Office 5th Floor 7 Swallow Place, London W1B 2AG United Kingdom URL and telephone number <ul style="list-style-type: none"> URL: http://www.worlddab.org, TEL: +44-20-7288-4640 ~ 4645 | | |

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|---------------------------|---|------------------|------|
| Name of Forum | WS-I (Web Service – Interoperability) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2003 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --> WG[WORKING GROUP] Board --> Committee[Committee] WG --> BP[Basic Profile WG] WG --> BSP[Basic Security Profile WG] WG --> RGW[Requirements Gathering WG] WG --> SAWG[Sample Applications WG] WG --> TTW[Testing Tools WG] WG --> XSWP[XML Schema Work Plan WG] Committee --> LC[Liaison Committee] Committee --> MCC[Marketing and Communications Committee] Committee --> JSIG[Japan SIG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To establish Best Practices for Web services interoperability, for selected groups of Web services standards, across platforms, operating systems and programming languages Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Sample Applications Working Group Basic Security Profile Working Group Basic Profile Working Group | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Web Service Basic Profile 1.1 Web Service Basic Profile 1.2 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Contributor Member (USD 3'000), Associate Member (Free) Total number of members: 177 (Contributing: 82, Associate: 95) Names of main members and their countries <ul style="list-style-type: none"> BT, Ford Motor Company, Hewlett-Packard, France Telecom | | |
| Cooperative Relationships | - | | |
| IPR policy | <ul style="list-style-type: none"> Available (FRAND) | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Web Services Interoperability Organization 401 Edgewater Place, Suite 600 Wakefield, MA 01880 USA URL and telephone number <ul style="list-style-type: none"> URL: http://www.ws-i.org, TEL: +1 (781) 876 6228 | | |

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|---------------------------|---|------------------|-----------|
| Name of Forum | WWRF (Wireless World Research Forum) | | |
| Active Purpose | Others | Established Date | 2001.8.14 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <p style="text-align: center;">WWRF Structure</p> <pre> graph TD Chair[Chair] --> GA[General Assembly] GA --> Secretariat[Secretariat] GA --> SB[Steering Board] SB <--> MT[Management Team] SB --> VC[Vision Committee] VC --> WG1[WG1: User Perspective and Service Concepts] VC --> WG2[WG2: Service Architecture] VC --> WG3[WG3: Cooperative & Ad-hoc Networks] VC --> WG4[WG4: New Radio Interfaces, Relay-based Systems & Smart Antennas] VC --> WG5[WG5: Short-range Radio Communication Systems] VC --> WG6[WG6: Reconfigurability] VC --> SIG1[SIG1: Spectrum Topics] VC --> SIG2[SIG2: Security and Trust] VC --> SIG3[SIG3: Self-Organization] VC --> SIG4[SIG4: Convergence] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To formulate Visions on strategic future research directions in the Wireless field To promote research areas and technical trends for mobile and wireless system technologies Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WG1: User Perspective and Service Concepts WG2: Service Architecture WG3: Cooperative & Ad hoc Network WG4: New Radio Interface, Relay-based Antennas WG5: Short Range Radio Communication Systems WG6: Re-configurability | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) N/A | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Sponsor Member (EUR 10'000), Associate Member (EUR 1'000) Total number of members: 173 Names of main members and their countries <ul style="list-style-type: none"> Alcatel, Ericsson, Motorola, Nokia, Siemens | | |
| Cooperative Relationships | <ul style="list-style-type: none"> ITU, 3GPP, 3GPPS, UMTS Forum, ETSI, mobile IT Forum (Japan), Future Forum (China), NGMC Forum (Korea) | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Alcatel-CIT Centre de Villarceaux Route de Villejuste 91 620, NOZAY, France URL and telephone number <ul style="list-style-type: none"> URL: http://www.wireless-world-research.org, TEL: +33-1-30-77-27-37 | | |

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| Name of Forum | ZigBee Alliance | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2002 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure |  <p>The organization chart for ZigBee Alliance shows a hierarchical structure. At the top is the Board of Directors, which includes the Chairman (Bob Heile), Vice Chairman (Venkat Behl), Secretary (Patrick Kinney), and Treasurer (Jon Rosdahl). Below the Board is the Technical Steering Committee, chaired by Bob Heile. Underneath is the Program Management Office, led by Jose Gutierrez. The Program Management Office oversees several work groups: Change Board Control, Application Framework Work Group (Chair: Phil Jamieson), Network Work Group (Chair: Ian Marsden), Security Work Group (Chair: Joseph Soma Reddy), Gateway Work Group (Chair: Pat Kinney), Marketing Work Group (Chair: Bill Craig), and Qualification Work Group (Chair: Bill Wood). Additionally, there are Profile Task Groups, IEEE 802.15.4, and a PR Task Group (Chair: Shannon Reid).</p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission: Enable reliable, cost-effective, low-power, wirelessly networked, monitoring and control products based on an open global standard – Defining the network, security and application software layers – Providing interoperability and conformance testing specifications – Promoting the ZigBee brand globally to build market awareness – Managing the evolution of the technology | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Promoter Member (USD 40'000), Participant Member (USD 9'500), Adaptor Member (USD 3'500) • Total number of members: 225 • Names of main members and their countries | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Wimedia Alliance, IEEE802.15.3 | | |
| IPR policy | <ul style="list-style-type: none"> • Available (RAND) | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | NGMC Forum (Next Generation Mobile Communication) | | |
| Active Purpose | Others | Established Date | 2003.09 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --- S[Secretariat] SC --- MSWG[Market & Service WG] SC --- STWG[System & Tech WG] SC --- SWG[Spectrum WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Analyse the trends of technological evolutions and social movements toward B3G Establishment of B3G-Vision Configure the concept of NG mobile/wireless communication system Facilitate discussion for new mobile access of B3G spectrum Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Market & Service WG: Trends analysis for mobile communication markets and services System & Technical WG: Defines and assess NG mobile/wireless communication systems and technologies. Spectrum WG: Reviews spectrum calculation methodology corresponding to ITU-R WP 8F activities | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Propose documents related to NGMC Specification at ITU-R, 3GPP, OMA Number of Meetings, Conferences & workshops held: 21 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 20 Names of main members and their countries <ul style="list-style-type: none"> ETRI (Korea), SK Telecom (Korea), KT (Korea), Samsung (Korea), LG Electronics (Korea), LG Telecom (Korea), LG-Nortel (Korea), Qualcomm (Korea), Motorola (Korea), Pantech & Curitel (Korea), Posdata (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Cooperations with WWRF, mITF and FuTURE Forum | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> NGMC Forum, 1599-11, Seocho3-dong, Seocho-gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: www.ngmcforum.org | | |

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| Name of Forum | Korea Wireless Internet Standardization Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2001.05 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Congress[Congress] --- Steering[Steering Committee] Steering --- Bureau[Bureau] Steering --- AS[Application Service Committee] Steering --- MP[Mobile Platform Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Gather, analyse and propagate technological information related to Wireless Internet. – Research and develop Korean standards and specifications related to Wireless Internet – Joint cooperation with other related standardization organizations or forums. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Application Service Committee: Standardization of Multimedia Service, streaming Service, etc. – Mobile Platform Committee: Develops and upgrades Wireless Internet Platform | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Develop more than 10 forum Standards (example: WIPI v.3.0) – Number of Meetings, Conferences & workshops held: 60 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – <ul style="list-style-type: none"> – Business Member: USD 1'000 – Technical Plenary Member: USD 5'000 • Total number of members: – • Names of main members and their countries <ul style="list-style-type: none"> – SKT, KTF, LGT, Samsung Electronics, LG Electronics, ETRI, AROMASOFT, WISEGRAM, GEOTEL, GAEASOFT, INNOACE, M-PAGE, VELOXSOFT, XCE, etc. (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Liaison of OMTP (April 2007) | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 908ho 2cha LG-twintel 157-3 Samsung-dong Gangnam-gu Seoul, Korea (South) • URL and telephone number <ul style="list-style-type: none"> – URL: www.wipi.or.kr/ | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Spectrum Engineering Forum | | |
| Active Purpose | Others | Established Date | 2005.06 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Plenary[Plenary] --- Steering[Steering committee] Plenary --- Secretariat[Secretariat] Steering --- Policy[Policy development and utilization of spectrum] Steering --- TechDev[Technology development and standardization] Steering --- TechDiff[Technology diffusion and industrialization] </pre> <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F11</p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Research on spectrum utilization technology, policy and industrialization. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Policy development and utilization of spectrum Sub-Committee – Technology development and Standardization by spectrum Sub-Committee – Technology diffusion and industrialization by spectrum Sub-Committee | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Proposed over 10 forum specifications at IEEE 802.22 – Number of Meetings, Conferences & workshops held: 21 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – Annual dues – Chairman enterprise: 5'000'000 KRW/Year – Vice-chairman enterprises: 3'000'000 KRW/Year – Large enterprises: 2'000'000 KRW/Year – Small and medium size enterprises: 1'000'000 KRW/Year – Personal member: 100'000 KRW/Year • Total number of members: 20 • Names of main members and their countries <ul style="list-style-type: none"> – Samsung electronics, LG telecom, LG-Nortel, Samsung electro-mechanics, SK telecom, KTF, KT, Motorola Korea, Intel Korea, ETRI, Inha University, etc. (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 160-4, Donggyo-Dong, Mapo-Gu, Seoul, 121-733, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.spectrum.or.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Korea UWB Standardization Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003.04 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <ul style="list-style-type: none"> – General meeting: Chairman, Deputy chairman, The chairman of steering committee, The chairman of subcommittee, Institution member, Personal member – Steering Committee: 13 experts relating UWB | | |
| Core Activities | <ul style="list-style-type: none"> • Mission: <ul style="list-style-type: none"> – Provide guidance for domestic standardization of UWB technology – Revitalization of domestic UWB industry through revising domestic law systems such as related regulation improvements – Early settlement of UWB in domestic market by developing and supplying various UWB application models • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – UWB spectrum policy and Interface – UWB technical development and Standardization | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Ultra Wide Broadband Technology contributions at IEEE802.15 – Number of Meetings, Conferences & workshops held: 21 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 20 • Names of main members and their countries <ul style="list-style-type: none"> – ETRI, SKT, Samsung Electro Mechanics, Intel Korea, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – RAPA 160-4, Donggyo-dong, Mapo-gu, Seoul, Korea, 121-733 • URL and telephone number <ul style="list-style-type: none"> – URL: www.uwbforum.or.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | WPAN Standardization Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2007.10 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD Plenary[Plenary] --- Secretariat[Secretariat] Plenary --- Steering[Steering committee] Steering --- WPAN_Platform[WPAN Platform WG] Steering --- WPAN_Service[WPAN Service WG] Steering --- WPAN_CM[WPAN CM WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Expansion of R&D that is focused on Wireless PAN in OSI 7 Layers – WPAN Platform development – Regulation improvement for WPAN industry – Research and analyse the latency information of WPAN and support new Government policy • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – WPAN Service SG – WPAN CM (Connectivity Management) SG – WPAN Platform SG | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Developing 9 Technical specifications of WPAN (example: Bluetooth WIPI HAL API, Bluetooth WIPI C HAL API, etc.) – Number of Meetings, Conferences & workshops held: 2 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 40 • Names of main members and their countries <ul style="list-style-type: none"> – SK telecom, KTF, KT, LGT, etc. (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – RAPA 160-4, Donggyo-Dong, Mapo-Gu, Seoul, 121-733, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.w-pan.org | | |

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| Name of Forum | USN Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004.04 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <pre> graph TD A[USN Steering Committee] --- B[Technical Committee] A --- C[Application Committee] A --- D[N/W Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To promote the establishment of domestic standard related to USN standardization including RFID standard – To reflect the trends of the international standards in the development of USN technologies – Promote outstanding domestic technology as an international standard and popularize the use of RFID in Korea. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Technical Committee – Application Committee | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Developing above 10 Domestic Technical specifications about USN application Service – Number of Meetings, Conferences & workshops held: 18 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 78 • Names of main members and their countries <ul style="list-style-type: none"> – NIA, NIDA, ETRI, KISA, SK C&C, etc. (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – KARUS 141-28 dong san building Samsung dong kangnam-gu, Seoul, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.usnforum.or.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Mobile RFID Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2005.02 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To provide service models that can satisfy customers by combining new RFID technologies based on world-class mobile communications infrastructure. To promote IPR-based international standardization in ISO/IEC and JTC 1/SC31 using accumulated technologies and service experiences. To increase market share by promoting service models that link Korea, China and Japan, and increase opportunities for domestic companies to access the market Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Terminal Subcommittee: Standardization of hardware interface including RFID Tag chips and Reader chips Network Subcommittee: Standardization of network Communication, data transmission, middleware, API, etc. Application Subcommittee: standardization of various service models | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing more than 10 Domestic Technical specifications regarding mobile RFID Service (example: Mobile RFID Code Registration Protocol, etc.) Number of Meetings, Conferences & workshops held: 60 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 49 Names of main members and their countries <ul style="list-style-type: none"> NIA, NIDA, ETRI, KISA, SK C&C, etc., (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> KARUS 141-28 dong san building Samsung dong kangnam-gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.forum.rfid-sun.or.kr | | |

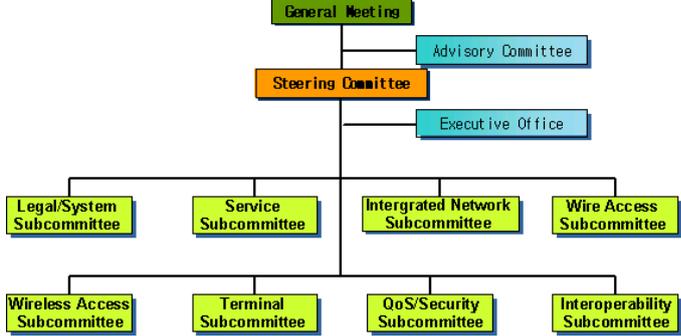
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| Name of Forum | u-city standardization Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure interoperability | Established Date | 2005.05 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> S[Secretariat] SC --> TWG[Technology WG] SC --> SWG[Service WG] SC --> USC[u-Space Constructor] SC --> AWG[Authentication WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop the domestic standard models to solve development thoughtless of u-city and support of International standardization for techniques and service Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical WG: Standardization of Information technology Infrastructure and u-Integrity equipments Service WG: to research u-city service model and to standardize the result of u-city tested project | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Developing 6 Domestic Technical specifications regarding u-city application Service Propose ARP for u-city service model at ISO/TC211 Number of Meetings, Conferences & workshops held: 17 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 94 Names of main members and their countries <ul style="list-style-type: none"> NIA, NIDA, ETRI, KISA, SK C&C, etc. (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> NIA 77 NIA building mugyo dong Jong gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.ubicity.org/ | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Next Generation Broadcasting Standardization Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 2000.05 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD A[Next-Generation Broadcasting Standardization Forum] --- B[Steering Board] A --- C[TVAnytime Working Group] A --- D[DMB Working Group] A --- E[Multimedia Framework Working Group] A --- F[3DTV Working Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Collaboration in R&D and standardization of new media broadcasting Collaboration in domestic standardization of data broadcasting, etc. Collaboration in R&D and standardization of terrestrial and satellite digital multimedia broadcasting (T- and S-DMB), TVAnytime, 3DTV Promotion and dissemination of related technology through workshops Work Group Characteristics and Deliverables <ul style="list-style-type: none"> DMB WG Development of T-DMB Middle-ware draft-Standard Multimedia Framework WG: IPMP (Intellectual Property Protection) Standardization 3D TV WG: Standardization of MPEG 3DAV MVC | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Develop domestic Technical specifications for S-DMB, T-DMB, etc. (example: S-DMB Stereoscopic Service, S-DMB Transmitter-Receiver Interface, etc.) Propose Drafts at JTC1 SC29 WG11 Number of Meetings, Conferences & workshops held: 17 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 48 Names of main members and their countries <ul style="list-style-type: none"> KBS, MBC, SBS, Samsung electronics, LG electronics, ETRI (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 653-4 Yuk-sam dong Kangnam-Gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.nextb.or.kr | | |

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| Name of Forum | MPEG Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 2000.07 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD Chairperson([Chairperson]) --> Bureau[Bureau] Chairperson --> SteeringBoard[Steering Board] Chairperson --> WorkingGroup[Working Group] SteeringBoard --> MPEG24[MPEG-2/4 Group] SteeringBoard --> MPEG7[MPEG-7 Group] SteeringBoard --> MPEG21[MPEG-21 Group] SteeringBoard --> MPEGIndustry[MPEG Industry Group] MPEG24 --> JVT[JVT Standardization subgroup] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Understanding and Analyzing MPEG-related technologies <ul style="list-style-type: none"> MPEG-related seminars, workshops, exhibitions Research and Development of MPEG-related domestic de facto standards Participate in MPEG standardization meetings and related meetings Work Group Characteristics and Deliverables <ul style="list-style-type: none"> MPEG 2/4 WG: Correspond to JTC 1 SC29 WG11 MPEG 2/4 MPEG 7 WG: Correspond to JTC 1 SC29 WG11 MPEG 7 MPEG 21 WG Correspond to JTC 1 SC29 WG11 MPEG 21 MPEG Industry WG: Correspond to JTC 1 SC29 WG11 MPEG A, B, E | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Develop domestic Technical specifications for audio/video coding technology, etc. Propose Drafts at JTC 1 SC29 WG11 Number of Meetings, Conferences & workshops held: 7 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <ul style="list-style-type: none"> Companies, Academia, Research Organizations, Individuals Organizations with over 300 employees – KRW 3'000'000 per year Organizations with 100 ~ 200 employees – KRW 2'000'000 per year Organizations with less than 100 employees – KRW 1'000'000 per year Individual Members – KRW 200'000 per year Student Members – KRW 50'000 per year Total number of members: 19 Names of main members and their countries <ul style="list-style-type: none"> ETRI, ICU, OSIA (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.mpeg.or.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Korea Digital cable Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2002.08 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- Sec[Secretariat] GA --- SC[Steering Committee] SC --- TWG[Technology WG] SC --- PWG[Policy WG] SC --- BWG[Business WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To provide standardization information on OpenCable, OCAP, VoD, data, and voice service through the cable network To exchange information with international forums and leads de facto standards for domestic industry Play a leading role to establish interoperability between related products, to create, and vitalize the domestic digital cable TV market. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technology WG: Research and standardization of digital cable technologies (Open cable, VoD data, etc.) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Propose lots of Drafts at ATSC, Cablelabs, etc. Number of Meetings, Conferences & workshops held: 12 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – <ul style="list-style-type: none"> Industrial Membership: KRW 1'000'000 per year Individual Membership: KRW 200'000 per year Total number of members: 19 Names of main members and their countries <ul style="list-style-type: none"> ETRI, KLABs, Daewoo Electronics, Samsung Electronics (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> DMS Bldg, 8th, Digital Media City C-3 Sangam-dong, Mapo-Gu, Seoul 121-270, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.kdcf.or.kr | | |

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| Name of Forum | IPTV Forum Korea | | |
| Active Purpose | Development of pre-standards | Established Date | 2006.06 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Digital Broadcasting | | |
| Organizational Structure | <pre> graph LR GA[General Assembly] --- S[Secretariat] GA --- SC[Steering Committee] SC --- INQ[IPTV Network & QoS] SC --- IS[IPTV Service] SC --- SCOD[STB & Coding] SC --- MW[Middleware] SC --- CPS[Contents Protection & Security] SC --- REG[Regulation] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To vitalize IPTV industries in Korea, and to provide visions for IPTV related business. Promote academic and research activities by exchanging information among members of IPTV Forum. To research and develop IPTV Technologies Work Group Characteristics and Deliverables <ul style="list-style-type: none"> IPTV network & QoS WG: Research and standardize IPTV Networking, control, signaling and Multicast technologies IPTV Service WG: Research and standardize IPTV service (structure, requirement, etc.) STB & Coding WG: Research and standardize IPTV Set-top box (core function, coding, etc.) Contents protection & security WG: Research IPTV Security technology (DRM, CAS, etc.) | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing Domestic standard for IPTV technologies (example: IPTV requirement, IPTV High Level Architecture, etc.) Submit Draft contributions at ITU-T IPTV Focus Group, etc. Number of Meetings, Conferences & workshops held: 24 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 7 Names of main members and their countries <ul style="list-style-type: none"> HUMAX, Samsung Electronics, OSIA (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.iptvforum.or.kr | | |

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| Name of Forum | BcN Forum (Broadband convergence Network) | | |
| Active Purpose | Development of pre-standards | Established Date | 2003.05 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure |  <pre> graph TD GM[General Meeting] --- AC[Advisory Committee] GM --- SC[Steering Committee] SC --- EO[Executive Office] SC --- LSS[Legal/System Subcommittee] SC --- SSS[Service Subcommittee] SC --- INSS[Intergrated Network Subcommittee] SC --- WAS[Wire Access Subcommittee] INSS --- WASS[Wireless Access Subcommittee] INSS --- TSS[Terminal Subcommittee] INSS --- QSS[QoS/Security Subcommittee] INSS --- ISS[Interoperability Subcommittee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Propose direction of development for very high-speed information communication infrastructure in Korea Contribute to the technological development of next-generation convergence network that encompasses wireless communication and broadcasting Establish domestic standards to explore possibilities of efficient use of national resources Propose evolutionary vision for convergence network and business models for communication businesses Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Network WG: developing standard BcN model Service WG: Research and standardization of BcN service | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Develop Broadband Convergence Network (BcN) Technology Standard Contribute Drafts to ITU-T, Parlay Group, MSF, etc. Number of Meetings, Conferences & workshops held: 56 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 185 Names of main members and their countries <ul style="list-style-type: none"> ETRI, NCA, KT, SK Telecom, Dacom, Hanaro Telecom, Samsung Electronics, and LG Electronics (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> KRNA 429-1 New T Building Kasan dong Kumchun-Gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.bcnforum.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | IPv6 Forum Korea | | |
| Active Purpose | Development of pre-standards | Established Date | 2000.03 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F13</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To allow access to knowledge and technology for the early adoption of IPv6 in domestic environment To verify the adoption of IPv6 and its time To improve IPv6-related market To set the environment for the transition from IPv4-based Internet to IPv6-based Next Generation Internet Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Deployment & Promotion Area: Application WG, Network Deployment WG, IPv6 Address Policy WG, IOP WG Technical Area: Routing WG, Mobility WG, IPv6 Convergence WG, Security WG | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Develop IPv6 Technology Standard Contribute Drafts to ITU-T, IETF, etc. Number of Meetings, Conferences & workshops held: 56 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: – <ul style="list-style-type: none"> Industry: KRW 3'000'000 for companies with an annual revenue of more than 10Bil KRW, KRW 1'000'000 for companies with an annual revenue of less than 10Bil KRW. Academia: KRW 500'000. Individual member: KRW 200'000 Total number of members: 185 Names of main members and their countries <ul style="list-style-type: none"> ETRI (Korea), KT (Korea), Samsung (Korea), SKT (Korea), Cisco Korea (Korea), LG-Nortel (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.ipv6.or.kr/eng/ | | |

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| Name of Forum | VoIP Forum (Voice over IP) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2000.04 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD SA[Secretariat] --- GA[General Assembly] GA --- SC[Steering Committee] SC --- VAS[VoIP Application and Service] SC --- MW[Mobile/wireless VoIP] SC --- IT[Interoperability Testing] SC --- VPS[VoIP Security] SC --- VSI[VoIP Service Inter working] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Development of domestic standards for VoIP – Interoperability test for providing interoperability between VoIP systems – Consultation and recommendation on government policy and strategy for VoIP service provisioning and industry stimulation in Korea – Establishing domestic industry alliance, corresponding international standardization activities • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – VoIP Application and Service Sub-Committee, Mobile/wireless VoIP Sub-Committee, Interoperability Testing Sub-Committee, VoIP Service Interworking Sub-Committee, VoIP Security Sub-Committee | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Development of Domestic VoIP Technology Standard (example: Profile for SIP-based Presence Service: Watcher-Info Template Package, Presence Service Profile based on SIP: Presence Authorization Rules, etc.) – Contribute Drafts to ITU-T, IETF, etc. – Number of Meetings, Conferences & workshops held: 15 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: – <ul style="list-style-type: none"> – Organization Member: eligible to use specs at the draft stages and make comments. (annual dues: USD 500) – Regular Member: eligible to use specs at the draft stages and make comments. (no annual dues required) – Association Members: eligible to use specs at the draft stages and make comments. (annual dues: USD 200) • Total number of members: 203 • Names of main members and their countries <ul style="list-style-type: none"> – KT, ETRI, DACOM, Hanaro Telecom, Samsung, LG Electronics, TTA, Anyuser.Net, Xener Systems, KT Networks, Davolink, Samsung Networks, Soongsil Univ., Hankuk University of Foreign Studies, Anyang Univ. (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.voip-forum.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | URI Standardization Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2001.07 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD Plenary[Plenary] --- Secretariat[Secretariat] Plenary --- Steering[Steering committee] Steering --- IPWG[IP WG] Steering --- DNSWG[DNSWG] Steering --- NGIDWG[Next Generation ID WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Publication of URI Forum Standards – Analysing international trends of technical development and standardization works in the field of URI – International cooperation for Standardization and research • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Enum WG: Developing and Researching Enum specification – DNS WG: Developing and Researching DNSSEC specification – Next Generation Identifier WG: standardization of HIP, IPTV, etc. | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Development of Domestic URI Technology Standard (example: ENUM Validation Architecture, etc.) – Propose an internet draft to IETF regarding ENUM, and also contributed informational papers to ITU-T Study Group 2 – Number of Meetings, Conferences & workshops held: 23 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – Associate members • Participating Forum standardization works • Having voting right • Being supported in attending Forum seminars & workshops – Annual dues: USD 300 • Total number of members: 23 • Names of main members and their countries <ul style="list-style-type: none"> – ETRI, KT, KISPA, NSC, KARUS, NGN Tech, KINX (Korea), etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Unavailable | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 3F, KTF B/D, 1321-11, Seocho2-dong, Seocho-gu Seoul, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.uriforum.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Future of Numbering Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2007.11 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD A[Board of Directors] --> B[Steering Committee] B --> C[WG] B --> D[WG] B --> E[WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission: Development of general consensus and framework on the following issues: <ul style="list-style-type: none"> – Convergence aspect of numbers and identifiers in All IP environments – Principles to allocate numbering resources in long-term perspectives – Collection of market consensus and user requirements on the numbering evolution | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Propose draft to ITU-T, TISPAN – Number of Meetings, Conferences & workshops held: 23 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 8 • Names of main members and their countries <ul style="list-style-type: none"> – LG Dacom, SK Networks, ETRI (Korea), etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Room 501, Hanrim Building, 956-6, Daechi-dong, Kangnam-Ku, Seoul, 135-280, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.fonforum.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Korea Ethernet Forum (KOREF) | | |
| Active Purpose | Development of pre-standards | Established Date | 2001.05 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD KEF[Korea Ethernet Forum] --> EC[Executive Committee] KEF --> Sec[Secretariat] EC --> TWG[Technical Working Group] EC --> NTEWG[Non-Technical Working Group Education and Standardization WG] EC --> TAG[Technical Assistant Group] TWG --> EBWG[Ethernet Basis WG] TWG --> EAWG[Ethernet Application WG] TWG --> CEWG[Carrier Ethernet WG] TWG --> CE2WG[Cellular Ethernet WG] TWG --> WLAWG[Wireless LAN WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Support Ethernet technology standardization activities Develop standards and proposals for standardization of Ethernet technology Contribute to the advancement of Ethernet-related innovation technologies Contribute to the enhancement of domestic Ethernet technology Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Technical WG: Develops standards and proposals for standardization of Ethernet technology | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing 6 Technical specifications of Ethernet (example: Ethernet Virtual Line Service, Stream Reservation Protocol, etc.) Number of Meetings, Conferences & workshops held: 19 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 1'000/Year Total number of members: 20 Names of main members and their countries <ul style="list-style-type: none"> ETRI, KT, Samsung Electronics, LG Electronics, Corecess, Dasan Networks, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> KOREF/OSIA, Room 501, Hanrim Building, 956-6, Daechi-dong, Kangnam-Ku, Seoul, 135-280, Korea URL and telephone number <ul style="list-style-type: none"> URL: www.ethernet.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Intelligent Robotics Standards | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2005.05 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to Intelligent Robotics | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> PSWG[Private Service Robot WG] SC --> ISRWG[Industrial Service Robot WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To propose the R&D direction and strategy for Intelligent Service Robot-related key technologies – To analyse the R&D necessity and competitiveness for Intelligent Service Robot technologies of Korea – To propose the scope and methodologies of nationwide Intelligent Service Robot technologies research and development plan of Korea • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Private service Robot WG – Industrial Service Robot WG | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Developed 13 Fora-Standards | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: KRW 100'000 • Total number of members: 43 • Names of main members and their countries <ul style="list-style-type: none"> – KT (Korea), kitech (Korea), KAIST (Korea), Yu-Jin Robot (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Korea Advanced Intelligent Robot Association #203, 61-3, Life-Officetel, Yoido-dong, Youngdungpo-gu, 150-731, Seoul, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.kirsf.or.kr/index.asp, TEL: +82-2-780-3060 | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Next Generation PC Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004.06 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD NGPCF[Next Generation PC Forum] --> Board[Board of directors] NGPCF --> Office[Office (Association of Next Generation Computing Industry)] Board --> TechCom[Technology committee] Board --> AppCom[Application committee] TechCom --> NGPC[NG PC Platform Working Group] TechCom --> UI[User Interface Working Group] TechCom --> WN[Wearable Network Working Group] TechCom --> FSI[Five Senses Information Working Group] AppCom --> ICS[Information & Communications Service Working Group] AppCom --> NGLC[NG Life convenience Service Working Group] AppCom --> NGIS[NG Interface Service Working Group] AppCom --> PDMS[Personal Data Management Service Working Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Next Generation PC Technology development – Next Generation PC Standard development • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Technology Committee: To standardize and develop Next Generation Platform, User Interface, Wearable Network, etc. – Application Committee: To standardize and develop Information & Communications Service, etc. | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Developed 9 Technical specifications for Next Generation PC Core technology – Held NG PC Technology and standardization Conferences & workshops: 25 times | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 60 • Names of main members and their countries <ul style="list-style-type: none"> – SKT, KT, ETRI (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Association of Next Generation PC Industry. – Seoul Songnam Bldg. 711, 1358-6, Seocho-Dong, Seocho – Gu, Republic of Korea, Seoul • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.anci.or.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Home Network Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003.08 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To pursue standardization of home digital service platforms and solutions To execute standardization related to application services and contents To standardize technologies for gateway, home server, home network, middleware, OS, GUI, etc. Design and Standardize digital structure for Construction, local wiring, remodeling, etc. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Building Certification Subcommittee: Studying on standardizing communication infrastructure and building environment to apply and implement home networking to buildings Home server/gateway Subcommittee: Studying on standardization to ensure compatibility required for communicating between home server/gateway including a home network wall-pad, which is the main feature of the home network system and devices | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Development of Domestic Home network Standard (example: Home network wall-pad box, requirement set-up of Home network appliance, etc.) Propose a draft to AHNC (Asia Home Network Committee) Number of Meetings, Conferences & workshops held: 14 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 133 Names of main members and their countries <ul style="list-style-type: none"> ETRI, KT, LG, Samsung (Korea), etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> HNA 429-1 New T Building Kasan dong Kumchun-Gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.homenetwork.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Grid Forum Korea | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2001.07 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- S[Secretariat] GA --- SC[Steering Committee] SC --- GAD[GRID Application Division] SC --- GMD[GRID Middleware Division] SC --- GND[GRID Network Division] SC --- ID[Infrastructure Division] SC --- O[Others] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Popularization of Grid standardization to construct Grid services and test-beds – Support to establish collaborative environment of Grid standardization development through organizing Working Groups on Grid standardization which industries, academia and research institutes are participating – Design and Standardization of digital structure for Construction, local wiring, remodeling, etc. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Infrastructure WG, Middleware WG, Application WG, Business WG | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Development of Domestic Grid technologies Standard example: OGSA WSRF basic profile v1.0, open grid service architecture, etc. – Correspond to Open Grid Forum – Number of Meetings, Conferences & workshops held: 7 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: Individual Member • Names of main members and their countries <ul style="list-style-type: none"> – KISTI (Korea), IBM (Korea), Oracle (Korea), SUN (Korea), National Grid (Korea), KT (Korea), ANC Technology (Korea), Fujitsu (Korea), etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Supercomputing Center Korea Institute of Science & Technology Information – P.O.BOX 122, Yuseong, Taejon 305-600 Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.gridforumkorea.org | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | LBS Standardization Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003.01 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> S[Secretariat] S --> PWG[Platform WG] S --> AWG[Application WG] S --> EWG[Equipment WG] S --> ERWG[Emergency Rescue WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> The enhancement of LBS technology standardization activities The provision of an opportunity to enter into overseas LBS market. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Platform WG: develop and standardization of the LBS Platform Application Service WG: develop and standardization of LBS equipment and application Emergency Rescue SIG: research and establish Emergency Rescue | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Development of Domestic LBS technologies Standards (example: 2.3 GHz band Portable Internet-based Location Technology, etc.) Contribute draft LBS Technology at OMA Number of Meetings, Conferences & workshops held: 11 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 51 Names of main members and their countries <ul style="list-style-type: none"> SK Telecom (Korea), KTF (Korea), LG Telecom (Korea), Samsung Electronics (Korea), Point I (Korea), ETRI (Korea), etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Dong-Ah Villat 2Town 2F, 1678-2, Seocho-Dong, Seocho-Gu, Seoul, 137-070, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.lbskorea.or.kr | | |

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| Name of Forum | Telematics/CVB Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2002.10 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- Sec[Secretariat] GA --- SC[Steering committee] SC --- SWG[Standard WG] SC --- TWG[Technical WG] SC --- IBWG[IPR & Business WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – The enhancement of Telematics and Connected Vehicle Box technology standardization activities – study on regulation of telematics and CVB • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Standardization WG: standardize the telematics/CVB requirement – Technology WG: develop telematics/CVB technologies – IPR& BIZ WG: research and Study the telematics/CVB IPR | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Development of Domestic telematics technologies Standard (example: telematics service for Vehicle Access interface, etc.) – Number of Meetings, Conferences & workshops held: 13 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 7 • Names of main members and their countries <ul style="list-style-type: none"> – Hyundai (Korea), KIA (Korea), etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 1598-3 sechodong secho-Gu Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.kotba.or.kr | | |

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| Name of Forum | IT Infra-Service Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2006.06 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> VWG[Virtualization WG] SC --> IPWG[IPR WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – IT Infra-service technology standardization activities | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Development of Domestic IT Infra technologies Standard (example: Virtualization technologies of data center, etc.) – Number of Meetings, Conferences & workshops held: 2 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free • Total number of members: 94 • Names of main members and their countries – Cisco Systems (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Seoul/Korea • URL and telephone number – URL: http://www.itif.or.kr | | |

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| Name of Forum | SoC (System On a Chip) forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2002.12 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- BD[Board of Directors] AC[Advisory Committee] --- BD BD --- PT[Product & Technical Committee] BD --- SC[Standardization Committee] BD --- PP[Policy & Publicity Committee] BD --- S[Secretariat] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Feasibility study of domestic/foreign SoC standardization – Planning and establishing SoC technology standards • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Product & Technical Committee: SoC design methodology research | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Develop 8 SoC Technical specifications (example: HDL Coding guide v 4.0, Semiconductor IP Registration v 3.0) – Number of Meetings, Conferences & workshops held: 22 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – companies with annual revenue of more than USD 10M: USD 1'000 – companies with annual revenue of less than USD 10M: USD 500 • Total number of members: 15 • Names of main members and their countries <ul style="list-style-type: none"> – Samsung Electronics (Korea), Magnachip (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – KIPA B/D 8F, 79-2 Garakbon-dong Songpa-gu, Seoul, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: www.socforum.org | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | DRM Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 2000.12 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- Sec[Secretariat] GA --- SC[Steering committee] SC --- OMA[OMA DRM WG] SC --- MPEG[MPEG DRM WG] SC --- IPTV[IPTV DRM WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> DRM (Digital Rights Management) forum is a forum that benchmarks domestic and International technologies of DRM and standardizes Internal and expanding DRM market. Analysis on Domestic/International DRM Standardizations Trends Preposition of DRM-related Functions and Standardization Drafts Activities in International Standardization Organizations such as MPEG, IPTV, OMA, etc. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> MPEG WG: Activities for the standardization of MPEG IPTV WG: Activities for the standardization of IPTV Technology OMA WG: Activities for the standardization of OMA DRM Technology | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing 4 Domestic Technical specifications of DRM (example: Still-Image Fingerprinting, Digital Cinema DRM, etc.) Number of Meetings, Conferences & workshops held: 42 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <ul style="list-style-type: none"> Company member: KRW 300'000 ~ 600'000, Regular member: KRW 100'000 Total number of members: 20 Names of main members and their countries <ul style="list-style-type: none"> ETRI (Korea), KT (Korea), KERIS (Korea), Markany (Korea), DigiCap (Korea), Fasoo.com (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Digital Contents Research Division, ETRI 161 Gajeong-dong, Yusung-gu, Taejon, Korea URL and telephone number <ul style="list-style-type: none"> URL: www.drm.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | DCF (Digital Contents Forum) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003.04 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph LR DCF[DCF] --- SC[Steering committee] SC --- PC[Policy committee] SC --- TC[Technical committee] SC --- WG1[Music WG] SC --- WG2[Digital publish WG] SC --- WG3[E-learning WG] SC --- WG4[Digital item WG] SC --- WG5[Movie WG] SC --- WG6[E-business WG] SC --- WG7[Medical WG] SC --- WG8[Traffic WG] SC --- WG9[Game WG] </pre> <p style="text-align: right; font-size: small;">Y.Suppl.8(10)_F14</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> To study metadata related to domestic digital content distribution To proceed with domestic metadata standardization To prepare mutual cooperation with domestic and international organizations Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WG 7: Activities for the standardization of Traffic Information Metadata WG 8: Activities for the standardization of medical ECG Signal metadata element WG 9: Activities for the standardization of e-game metadata WG 10: Activities for the standardization of user creative Contents Metadata | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing 6 Domestic Technical specifications of digital contents (example: digital Archiving Metadata Element, UCC terminology Standardization, etc.) Number of Meetings, Conferences & workshops held: 18 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: USD 500 Total number of members: 75 Names of main members and their countries <ul style="list-style-type: none"> Infinitt (Korea), Kyung Hee University Medical Center (Korea), WonKwang Health Science College (Korea), KTF (Korea), EMBridge (Korea), KEDI (Korea), DUnet (Korea), ETRI (Korea), | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Yongsna ParkXi 104-801, Hangang ro 1ga, Yongsan Gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: dcforum.or.kr/E/DCF/DCF_01.htm | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | M3DSF (Mobile 3D Standardization Forum) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004.04 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD GM[General Meeting (Chairman)] --- VC[Vice Chairman] GM --- C[Committee] VC --- BD[Business Division] C --- ED[3D Engine Division] C --- M3SD[Mobile 3D Sound Division] C --- ALD[Application Layer Division] C --- MCD[Mobile Contents Division] C --- IPD[Information and Planning Division] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Development of Domestic and International Standards on Mobile 3D Graphics, Sound, Game and Multimedia area Development of specifications to implement and ensure Interoperability. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> 3D Engine WG: standardization of mobile 3D Game API Mobile 3D Sound WG standardization of MEGA SL (sound library) Mobile Network WG: standardization of mobile game network | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Developing 6 Domestic Technical specifications of Concern of Mobile game (example: MEGA_NET version 1.1, Stress Test Tool for Mobile Game v1.0, etc.) Number of Meetings, Conferences & workshops held: 53 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 42 Names of main members and their countries <ul style="list-style-type: none"> ETRI (Kor), Samsung electronics (Kor), Nexus Chips (Kor), Rolizen (Kor), Zbase (Kor), Kennynco Entertainment (Kor), Sinjisoft (Kor), Emersys (Kor), A&B soft (Kor) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Liaison of OMA Game Service WG (2007.12) | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 161 Gajeong-dong, Yuseong-gu, 305-700 Daejeon/Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.m3dsf.or.kr | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | Metadata Crosswork Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004.04 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> EP[E-Publish WG] SC --> ISW[International Standard WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> To guarantee consistent and objective description of metadata To develop meta-model and present for utilization in database integration and cross-operation for electronic publishing information Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Electronic Publishing WG: development of electronic Publishing of Metadata, meta model, etc. International Standard WG: correspond to de facto standard forum | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing 5 Domestic Technical specifications of metadata (example: Meta-model of electronic Publish, etc.) Number of Meetings, Conferences & workshops held: 53 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: – Names of main members and their countries Private member | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) Database Promotion Center da-dong, Seoul, korea URL and telephone number URL: http://mcf.dpc.or.kr/ | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | SW technology Standardization Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2001.06 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph LR SC[Steering Committee] --- TSC[Technology SC] SC --- DSC[Domain SC] TSC --- DTWG[Development Technology WG] TSC --- J2EE[J2EE WG] TSC --- NET[.NET WG] TSC --- OMG[OMG WG] DSC --- SWA[S/W Architecture WG] DSC --- DA[Domain Architecture WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Participation in the international standardization in the field of Software component, and popularization of foreign standard technology in Korea Establishment of domestic component standard and promotion of its active application in domestic industry Collecting, analysing, studying and distributing information on standardization-related Software component Training and supporting the specialists in component standardization of each field Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Architecture WG: development of Software Architecture Embedded WG: development of embedded Software | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing 8 Domestic Technical specifications of Software component (example: embedded SW Project Curriculums, SW Architecture product writing Guideline, etc.) Number of Meetings, Conferences & workshops held: 23 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 151 Names of main members and their countries <ul style="list-style-type: none"> Samsung SDS (Korea), LG CNS (Korea), KIPA (Korea), TTA (Korea), ETRI (Korea) | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 8th floor KIPZ building 79-2 Karakbon-dong Songpa-gu Seoul, South Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.kosta.or.kr | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Web Korea Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003.08 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- S[Secretariat] GA --- SC[Steering committee] SC --- EWG[E-governance WG] SC --- SWG[Semantics WG] SC --- WSWG[Web Service WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> To enhance synergy effects for domestic web technologies and industrial developments with furnishing the space for unified information exchange among governments, industries, and educational-research institutes along with web-based technology, standard, application and policy To accept and diffuse global web technology and standards in accordance with global standardization trends to promote internationalization and standardization of domestic web technology Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Semantic Web WG: development of Web ontology Language, semantic web service, etc. e-Governments WG: development of e-government web | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing more than 10 Domestic Technical specifications for web services (example: MOWS 1.1, Web service-business activities, etc.) Number of Meetings, Conferences & workshops held: 4 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <ul style="list-style-type: none"> Company employing more than 200 people: USD 1000 (a profit-making organization), USD 500 (a non-profit organization), Companies employing less than 200 people: USD 500 (a profit-making organization), USD 500 (a non-profit organization), Personal: USD 50 (general)/USD 20 (student) Total number of members: 23 Names of main members and their countries <ul style="list-style-type: none"> NIA, Samsung SDS, Daewoobrenic, Datec, SICCC, K4m, ETRI, HP, IBM, LG CNS | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> NIA Bldg. 77, Mugyo-Dong, Jung-Gu Seoul 110-775, Republic of Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.webkorea.or.kr/ | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | IABF (Information and Telecommunication Accessibility Promotion Standard Forum) | | |
| Active Purpose | Others | Established Date | 2002.05 |
| Object field | <ul style="list-style-type: none"> Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD A[I&T Accessibility Standard Promotion Forum] --> B[Operation Committee] B --> C[Police Development Department] B --> D[Telecommunication Department] B --> E[Web Accessibility Department] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Information sharing on the trend of accessibility technologies such as voice and synthesis, web authoring, etc. To develop the technical standards related to IT accessibility issues and promote awareness on IT accessibility in Korea Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Police Development WG: Establishment of Web accessibility policy and public awareness on accessibility issues Web accessibility WG: Development of technical standards for improving accessibility of telecommunication devices and information services | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing 4 Domestic Technical specifications of Accessibility (example: Accessibility of Internet web contents, AD CODE, etc.) Number of Meetings, Conferences & workshops held: 27 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 30 Names of main members and their countries <ul style="list-style-type: none"> Samsung, IBM Korea, LG, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> IABF Forum, Korea Agency for Digital Opportunity & Promotion 645-11, Deungchon 1-Dong, Gangseo-Gu 157-715, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.iabf.or.kr/En/About.asp | | |

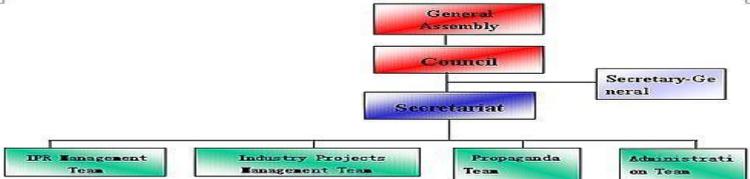
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|---------------------------|---|------------------|---------|
| Name of Forum | Mobile web 2.0 Forum | | |
| Active Purpose | – Development of "de facto" standards | Established Date | 2007.03 |
| | – Development of specifications in order to implement and ensure the interoperability | | |
| Object field | <ul style="list-style-type: none"> • Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> S[Secretariat] SC --> AWG[Application WG] SC --> CWG[Contents WG] SC --> EWG[Equipment WG] SC --> AUG[Authentication WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission: <ul style="list-style-type: none"> – Mobile web-based industry revitalization and Domestic mobile web industry competitiveness enhancement for domestic and overseas standardization or technology development activities – Lead global standardization through domestic mobile web competitive power enhancement • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Application technology WG: Develop and standardize Mobile Web application based on XML – Contents WG: Development of make-up language to mobile web contents | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Developing more than 10 Domestic Technical specifications of mobile web technology (example: Requirement of mobile of Korea, DDC v 1.0, etc.) – Number of Meetings, Conferences & workshops held: 42 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – Company member: KRW 50'000 ~ 600'000 • Total number of members: 36 • Names of main members and their countries <ul style="list-style-type: none"> – Samsung, SKT, KT, KTF, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Korea Contents Industry and Business Association 607-12 Yoksam dong Seoul, Korea • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.iabf.or.kr/En/About.asp | | |

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|---------------------------|--|------------------|---------|
| Name of Forum | Modeling Forum Korea | | |
| Active Purpose | <ul style="list-style-type: none"> - Development of "de facto" standards - Development of specifications in order to implement and ensure the interoperability | Established Date | 2007.03 |
| Object field | <ul style="list-style-type: none"> • Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- Sec[Secretariat] GA --- SC[Steering committee] SC --- MIWG[Modeling Industry WG] SC --- EIPRWG[Education/IPR WG] SC --- ICWG[International Cooperation WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission: <ul style="list-style-type: none"> - Establishing cooperative relations among Korea, Japan, and China to deal with global developments of modeling technology which is essential to IT technology. - As IT modeling standard consortium of East Asia, activation of Modeling technology application, and interchange and cooperation to develop market • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> - Modeling Industry Promotion Subcommittee - Modeling Education, Certification Subcommittee - Modeling International Subcommittee | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) - Developing more than 10 Domestic Technical specifications of mobile web (example: modeling of Open source SW, etc.) - Number of Meetings, Conferences & workshops held: 13 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Free - Company member: KRW 50'000 ~ 600'000 • Total number of members: 36 • Names of main members and their countries - Samsung, SKT, KT, KTF, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) - Korea Contents Industry and Business Association 607-12 Yoksam dong Seoul, Korea • URL and telephone number - URL: http://www.iabf.or.kr/En/About.asp | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | u-payment Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2000.02 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- Sec[Secretariat] GA --- SC[Steering committee] SC --- RnD[R&D WG] SC --- SecWG[Security WG] SC --- SMWG[Service Model WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Promoting security and convenience of domestic Ubiquitous electronic payment through utilization and contributions to the development of related industries. New technology research for development of Ubiquitous electronic payment Interchange of information and promotion among members Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Service model WG: Development of U-payment Service model Security and testing WG: Promoting security and convenience of u-payment | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developing Domestic Technical specifications of u-payment Number of Meetings, Conferences & workshops held: 82 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <ul style="list-style-type: none"> Company member: KRW 50'000 ~ 1'000'000/Year Total number of members: 82 Names of main members and their countries <ul style="list-style-type: none"> Samsung, SKT, KT, KTF, LG Telecom, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 6th Fl. FKI Bld. 28-1, Yoido-dong, Youngdungpo-gu, Seoul, Korea URL and telephone number <ul style="list-style-type: none"> URL: www.kepia.org | | |

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| Name of Forum | ECIF (Integrated Forum on Electronic Commerce) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2000.06 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --- BD[Board of Directors] BD --- STOC[STOC] BD --- GAS[GAS] BD --- Sec[Secretariaat] Sec --- SO[SO] BD --- TC[Tech. Committee] TC --- WG1[WG] TC --- WG2[WG] TC --- WG3[WG] TC --- WG4[WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Support the creation of an e-commerce infrastructure environment Discuss and coordinate mutually operable common standards Support joint response for international standard organizations Work Group Characteristics and Deliverables <ul style="list-style-type: none"> E-Catalog Technology WG: Development of E-Catalog Electronics Document Technology WG: Development of EDI | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Developed 10 ECIF standards. Number of Meetings, Conferences & workshops held: 43 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Free Total number of members: 697 Names of main members and their countries <ul style="list-style-type: none"> Korea Chamber of Commerce and Industry, Korea CALS/EC Institute, EC Research and Development Association of Korea, Small & Medium Industry Promotion Corporation | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Sungwoo Bldg. 2F. 717-3 SuSeo-dong Kangnam-gu, Seoul, 135-884, S.Korea URL and telephone number <ul style="list-style-type: none"> URL: http://www.ecif.or.kr | | |

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| Name of Forum | Korea biometrics Forum | | |
| Active Purpose | Development of pre-standards | Established Date | 2001.02 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Information technology | | |
| Organizational Structure | <pre> graph TD Chairman[Chairman] --- Audit[Audit] Chairman --- Secretariat[Secretariat] Chairman --- WG1[WG 1] Chairman --- WG2[WG 2] Chairman --- WG3[WG 3] Chairman --- WG4[WG 4] Chairman --- WG5[WG 5] Chairman --- WG6[WG 6] WG1 --- Members[Members] WG2 --- Members WG3 --- Members WG4 --- Members WG5 --- Members WG6 --- Members </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission: <ul style="list-style-type: none"> Biometric technology standardization to support engineering development and information exchange between companies Standardization activities of biometric API, biometric template, common biometric file format, biometric protection profile, terminology definition and glossary in Korean. Participation in standardization meetings for biometrics such as ISO SC37, EBF, etc., and suggestion of standards Work Group Characteristics and Deliverables <ul style="list-style-type: none"> WG1: Biometrics Technology WG2: Interoperability Standard WG3: Biometrics Security Protocol WG4: Test and Evaluation Protocol WG5: Industrial Cooperation WG6: International Cooperation | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> Propose more than 50 biometric specification drafts at JTC 1 SC37 Number of Meetings, Conferences & workshops held: 18 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <ul style="list-style-type: none"> Company member: KRW 500'000/Year Total number of members: 39 Names of main members and their countries <ul style="list-style-type: none"> ETRI, KISA, EITGEN, etc. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Sungwoo Bldg. 2F. 717-3 SuSeo-dong Kangnam-gu, Seoul, 135-884, S.Korea URL and telephone number <ul style="list-style-type: none"> URL: www.biometrics.or.kr | | |

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| Name of Forum | TD-SCDMA Industry Alliance (TDIA) | | |
| Active Purpose | 1) Development of pre-standards 2) Others: Technology/Standards Promotion | Established Date | 2002.10 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure |  <pre> graph TD GA[General Assembly] --> C[Council] C --> S[Secretariat] C --> SG[Secretary-General] S --> IPR[IPR Management Team] S --> IPT[Industry Projects Management Team] S --> P[Propaganda Team] S --> A[Administration Team] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Integrate and coordinate the industry resources Improve the research and development (R&D) and production level of the mobile communication enterprises within the Alliance Promote the rapid and healthy development of the TD-SCDMA telecommunication industry Realize the popularization and industrial application of TD-SCDMA in China's and global telecommunication markets. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> The TD-SCDMA IPR Management Team: operate the uniform Intellectual Property (IP) Rights policies Within the Alliance The Industry Projects Management Team: develop the standards and technology of TD-SCDMA | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Feb. 12th to 15th, TD-SCDMA Industry Alliance (TDIA) attended 3GSM World Congress 2007. During the event, TDIA delegation met delegates from telecom organizations such as 3GPP, GSMA and ETSI, equipment vendors and investment institutes, introduced the latest development of TD-SCDMA industrialization and discussed with the delegates about the commercialization and internationalization of TD-SCDMA. | | |
| Membership and Fees | <ul style="list-style-type: none"> TDIA welcomes domestic and foreign enterprises and institutions who meet the following requirements to join the alliance: <ol style="list-style-type: none"> Has independent legal entity; Will abide by the Constitution of TDIA; and Has been involved with research, development, manufacturing or service of TD-SCDMA. Annual dues: RMB 100'000 Total number of members: 51 Names of main members and their countries <ul style="list-style-type: none"> Datang Mobile Communications Equipment Co., Ltd China | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Beijing/China URL and telephone number <ul style="list-style-type: none"> URL: http://www.tdscdma-alliance.org/ | | |

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| Name of Forum | Intelligent Grouping and Resource Sharing Standards Working Group (IGRS) | | |
| Active Purpose | 1) Development of "de facto" standards 2) Others: Technology/Standards Promotion | Established Date | 2003.04 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to uComputing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GL[Government Liaison] --- WG[WG] WG --- Secretariat[Secretariat] WG --- EB[Expert Board] WG --- IPR[IPR] WG --- SAN[Strategic Alliance and Negotiation] WG --- Tech[Technical] WG --- Cert[Certification] WG --- Prom[Promotion] SAN --- AM[Attract More Members] SAN --- CIS[Cooperate with International Standards] Tech --- FP[Fundamental Protocol] Tech --- SSD[Security Specification Development] Tech --- PT[Platform Tool] Tech --- TV[Test and Verification] Tech --- AMR[Application Mode Research] Cert --- CAT[Certification and Test] Cert --- TA[Trademark Authorization] Prom --- Website[Website] Prom --- Magazine[Magazine] Prom --- Other[Other] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Unite more enterprises and research institutions to help the government realize the intelligent interconnection among information devices, consumer electronics and communications devices, and to sharpen the industry competitive edge and further drive the healthy development of the industry. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> IPR Group: operate the uniform Intellectual Property (IP) Rights policies Within the Alliance. Policy Alliance and Negotiation Group absorb more new members and Developing international standards cooperation Technical Group: Working on fundamental protocol, security specification, platform tool, test and verification and application mode research Certification Group: Working on certification and test, trademark authorization | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) In March, 26th, 2008, four proposals of IGRS standard passed NWIP and CD with 17 ayes and no nays, which mean another breakthrough of IGRS's internationalization. The pass of these four proposals shows all proposals of IGRS standard 1.0 have entered ISO/IEC system | | |

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| <p>Membership and Fees</p> | <ul style="list-style-type: none"> • IGRS welcomes domestic and foreign enterprises and institutions who have been involved with ITS industry to join the group – Observer: annual dues: RMB 5'000 – Common members: annual dues: RMB 20'000 – Extension members: annual dues: RMB 50'000 – Core Members: annual dues: RMB 100'000 – Total number of members: 107 • Names of main members and their countries – Legend Group Co.Ltd, China – TCL Group Co. Ltd, China – Konka Group Co. Ltd, China – Hisense Group Co. Ltd, China – Great Wall Group Co. Ltd, China – Beijing Zhong He Wei Software co. Ltd, China – China Electronic Standardization Institute, China – Changhong Electronic Co. Ltd, China – Skyworth Group Co. Ltd, China – China Netcom Corporation Ltd, China – Huawei Technologies Co. Ltd, China – Guangdong Province embedded software public center, China – IGRS Engineering Lab Ltd., China – Hongkong Applied Science and Technology Research, China |
| <p>Cooperative Relationships</p> | <ul style="list-style-type: none"> • Cooperating with Home Network Forum of Korea, ECHONET Consortium of Japan, founded the 1st Asia Home Network Council • Signed MOU to cooperate with the IPv6 Forum • Cooperating with DLNA, UPnP Forum, CEPCA and many other major international companies • Cooperating with AVS, TD-SCDMA and Digital Technology Application of Building and Residence Community National Standard of China • Cooperating with Net-at-Home and delivered keynote address • Participated and presented IGRS concepts in ISO/JTC 1/WC25/WG1 meeting |
| <p>IPR policy</p> | <ul style="list-style-type: none"> • Available |
| <p>Contact Point</p> | <ul style="list-style-type: none"> • Office location (city/country) – Beijing/China • URL and telephone number – URL: http://www.igrs.org/en/index/index.asp – TEL: 86 10 58732555 |

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| Name of Forum | Home Network Standards Industry Alliance (ITopHome) | | |
| Active Purpose | 1) Development of "de facto" standards 2) Others: Technology/Standards Promotion | Established Date | 2004.07 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD AC[Alliance Conference] --> ABT[Alliance Board of Trustees] ABT --> AS[Alliance Secretariat] ABT --> CC[Consultant Committee] AS --> SC[Steering Committee] AS --> WC[Working Committee] AS --> FT[Financial Team] SC --> CT[Certification Team] SC --> IRT[IP Right Team] SC --> PT[Planning Team] WC --> PRT[Promotion Team] WC --> TT[Technical Team] WC --> PRRT[Propaganda Team] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Preparation of standards Market promotion Subject organization and training Product testing and certification Work Group Characteristics and Deliverables <ul style="list-style-type: none"> The Promotion Team is responsible for new member adoption, communication and corporation with other international organizations, market research, and preparation of market research report The Technical Team recommends technical proposals, communicates and coordinates during member adoption, assesses and establishes public testing platforms, writes and processes drafts of standards, conducts foreign technical exchanges and corporations, provides technical assistance to exhibitions and demonstrations The Propaganda Team is in charge of publicity and promotion of standards and related products as well as organizing exhibitions and demonstrations home and abroad | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <p>In Oct. 24th, 2007, Itophome new products shining on "China 9th Hi-tech fair"; home intelligent control terminal (U-home) was highly awarded</p> | | |

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| Membership and Fees | <ul style="list-style-type: none"> • ITopHome welcomes domestic and foreign enterprises and institutions who have been involved with ITS industry to join the alliance – Registered Members: domestic companies: RMB 5'000; foreign companies: USD 5'000 – Common Members: domestic companies: RMB 10'000; foreign companies: USD 10'000 – Council Members: domestic companies: RMB 50'000; foreign companies: USD 50'000 • Total number of members: 16 • Names of main members and their countries – Haier Co., Ltd., China |
| Cooperative Relationships | <ul style="list-style-type: none"> • None |
| IPR policy | <ul style="list-style-type: none"> • Available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Qingdao/China • URL and telephone number – URL: http://www.itophome.org.cn/ – TEL: 86 532 88939714 |

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| Name of Forum | SCDMA Industry Alliance | | |
| Active Purpose | Others: Technology/Standards Promotion | Established Date | 2004.08 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <ul style="list-style-type: none"> • Alliance council • Alliance secretariat • Advisory committee | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – Preparation of standards – Development of technology • Work Group Characteristics and Deliverables – Standards Working Committee and Technical Committee: develop the standards and technology of SCDMA | | |
| 2007 Results | <ul style="list-style-type: none"> • Construction and Testing of SCDMA Data Service Simulation Network | | |
| Membership and Fees | <ul style="list-style-type: none"> • SCDMA Industry Alliance welcomes domestic and foreign enterprises and institutions who have been involved with research, development, manufacturing or service of SCDMA related technology. To join the alliance: • No fee. • Total number of members: 19 • Names of main members and their countries – Xinwei Communication Technology Co., Ltd., China | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |

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| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Beijing/China • URL and telephone number – URL: http://www.scdma.org.cn/ – TEL: 86 10 6280 2288 |
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| Name of Forum | Mobile Multimedia Technology Alliance (MMTA) | | |
| Active Purpose | 1) Development of pre-standards 2) Others: Technology/Standards Promotion | Established Date | 2004.10 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication • Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <p style="text-align: center;">The Structure of MMTA</p> <pre> graph TD Council[The Council] --> Secretariat[Secretariat] Council --> TEC[Technical Experts Committee] Secretariat --> Liaison[Liaison Group] Secretariat --> IPRG[Intellectual Property Right Group] Secretariat --> TPG[Technical Planning Group] TEC --> TPG TEC --> TWG[Technical Working Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission: MMTA aims to explore and integrate the strength of different players within the mobile multimedia industry chain, promoting innovation and standardization of network, terminals and applications related to mobile multimedia technology. MMTA also targets to establish a common platform for intellectual property management, where future cooperation at both domestic and international levels will be carried out to develop new technologies, new services, and related specifications and standards for mobile multimedia. Ultimately the output of MMTA will benefit the whole mobile industry • Work Group Characteristics and Deliverables – IPR Group: operate the uniform Intellectual Property (IP) Rights policies Within the Alliance – Technical Planning/Working Group: develop the standards and technology of Mobile Multimedia Technology – Liaison Group: contact affair | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) The third council meeting of MMTA was held in Beijing. The second Technical expert council meeting of MMTA was held in Beijing | | |

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| Membership and Fees | <ul style="list-style-type: none"> • MMTA welcomes domestic and foreign enterprises and institutions who meet the following requirements to join the alliance: <ul style="list-style-type: none"> a) Have independent legal entity; b) Will abide by the Constitution of MMTA; and c) Have been involved with research, development, manufacturing or service of mobile multimedia related technology – Annual dues: RMB 20'000 • Total number of members: 9 • Names of main members and their countries – China Academy of Telecommunication Research of MII, China – Vimicro Corporation, China |
| Cooperative Relationships | <ul style="list-style-type: none"> • None |
| IPR policy | <ul style="list-style-type: none"> • Available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Beijing/China • URL and telephone number – URL: http://www.mmta.org.cn/english/index.asp – TEL: 86 10 6894 8888 |

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| Name of Forum | ChangFeng Open Standards Platform Software Alliance (CFA) | | |
| Active Purpose | 1) Development of "de facto" standards 2) Others: Technology/Standards Promotion | Established Date | 2005.4 |
| Object field | <ul style="list-style-type: none"> • Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD AC[Alliance Council] --- AS[Alliance Secretariat] AC --- SC[Supporting Committee] SC --- SCO[Supporting Committee Office] AS --- SWC[Standards Working Committee] AS --- MC[Marketing Committee] AS --- TC[Technical Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – Preparation of standards – Market promotion – Development of technology • Work Group Characteristics and Deliverables – Standards Working Committee and Technical Committee: develop the standards and technologies of Open Standards Platform Software | | |
| 2007 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) In Oct. 2007, CFA held 2007 Beijing International Congress of Open Standards | | |

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| Membership and Fees | <ul style="list-style-type: none"> • CFA welcomes domestic and foreign enterprises and institutions who have been involved with research, development, manufacturing or service of platform software industry related technology. To join the alliance: • Annual dues: RMB 100'000 • Total number of members: 61 • Names of main members and their countries <p>– Digital China, Taiji Computer, Kingsoft, Click Tech, Red Flag Software Co., Ltd., China</p> |
| Cooperative Relationships | <ul style="list-style-type: none"> • Cooperate with Organization for the Advancement of Structured Information Standards (OASIS, USA) |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <p>– Beijing/China</p> <ul style="list-style-type: none"> • URL and telephone number <p>– URL: http://www.changfeng.org.cn/, TEL: 86 10 8233 1717 813</p> |

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| Name of Forum | Audio and Video Coding Standard Industry Alliance (AVSA) | | |
| Active Purpose | <ol style="list-style-type: none"> 1) Development of specifications in order to implement and ensure the interoperability 2) Development of pre-standards 3) Others: Technology/Standards Promotion | Established Date | 2005.05 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Digital Broadcasting • Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <pre> graph TD A[Alliance General Assembly] --> B[Alliance council] B -.-> C[Alliance committee of technical experts] B --> D[Alliance secretariat] D --> E[legal working group] D --> F[market working group] D --> G[standard working group] D --> H[A/V/S digital high definition television working group] D --> I[A/V/S satellite television working group] D --> J[A/V/S network television working group] D --> K[A/V/S mobile multimedia working group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – Develop and disseminate AVS standards – Establish a whole Audio and Video Industry System based on AVS standards • Work Group Characteristics and Deliverables – Market WG: disseminate AVS standards – Standard and technical WG: develop the standards and technology of AVS – Legal WG: deal with legal problems | | |

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| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) AVS WORLD2008 Forum |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Common members: will abide by the Constitution of AVSA; and have been involved with research, development, manufacturing or service of AVS industry, or will be involved with research, development, manufacturing or service of AVS industry. Annual dues: RMB 50'000. Council members: Common members who have been involved materially with research, development, manufacturing or service of AVS industry Annual dues: RMB 100'000 Total number of members: 18 Names of main members and their countries United Information Source Signal Audio and Video Technologies (Beijing) Co., Ltd., (USC) China |
| Cooperative Relationships | <ul style="list-style-type: none"> Cooperate with Audio and Video Coding Standard Workgroup of China on pushing AVS standards |
| IPR policy | <ul style="list-style-type: none"> Unavailable |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) Beijing/China URL and telephone number URL: http://www.avsa.org.cn/, TEL: 86 10 5885 8300 344 |

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| Name of Forum | Telecommunication Terminal Testing & Approval Forum (TAF) | | |
| Active Purpose | 1) Development of specifications in order to implement and ensure the interoperability 2) Others: Technology/Standards Promotion | Established Date | 2005.11 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> C[Council] C --- EC[Expert Committee] C --- S[Secretariat] C --> WW[Wireless Workgroup] C --> WWg[Wired Workgroup] C --> TAW[Testing and Approval Workgroup] </pre> | | |

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| Core Activities | <ul style="list-style-type: none"> • Mission – Protecting Intellectual Property Rights, network security and Internet connection and also benefits of consumers – Assisting companies to promote products quality and technology level – Prompting the healthy development of mobile terminal industry • Work Group Characteristics and Deliverables – Organize the members to participate in the telecommunication terminal testing and evaluation work – Research on the policy and development trend of the telecommunication terminal testing and approval and support the government to research and draw up telecommunication terminal administration policies – Organize the telecommunication terminal's related technology discussion, cooperation and exchange, research on the direction and development trend of the telecommunication terminal's related technologies and offer consulting and suggestions for the communication industry development – Organize and implement consulting, service, and training of the telecommunication terminal testing & approval technologies and offer technical support for the telecommunication manufacturers – Organize and implement the technical research, testing, approval, and consulting of telecommunication terminal's interoperability and compatibility, and offer technical support for communication operators – Cooperate and exchange with related international organizations |
| 2007 Results | <ul style="list-style-type: none"> • TAF held the third general meeting in Beihai on April 5th, 2007 |
| Membership and Fees | <ul style="list-style-type: none"> • TAF welcomes domestic and foreign enterprises and institutions who meet the following requirements to join the alliance: <ul style="list-style-type: none"> a) Has independent legal entity; b) Will abide by the Constitution of TAF • Common Members: no fee • Total number of members: 70 • Names of main members and their countries – China Academy of Telecommunication Research of MII China |
| Cooperative Relationships | <ul style="list-style-type: none"> • None |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Beijing/China • URL and telephone number – URL: http://www.taf.net.cn/EN/ |

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| Name of Forum | WLAN Authentication and Privacy Infrastructure Industry Alliance (WAPI Industry Alliance) | | |
| Active Purpose | 1) Development of pre-standards 2) Others: Technology/Standards Promotion | Established Date | 2006.03 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD AGA[Alliance General Assembly] --> AC[Alliance Council] AC --- ACE[Alliance committee of experts] AC --> AS[Alliance secretariat] AS --> MWG[market working group] AS --> CWG[contact working group] AS --> LWG[legal working group] AS --> Dots[.....] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> Develop and disseminate WAPI standards Establish a whole WLAN Industry System based on WAPI standards Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Market WG: disseminate AVS standards Contact WG: contact affairs Legal WG: deal with legal problems | | |
| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) The first council meeting of WAPI Industry Alliance was held in Beijing in March 6, 2007. | | |
| Membership and Fees | <ul style="list-style-type: none"> Common members: will abide by the Constitution and the IPR policy of WAPI Industry Alliance; and have been involved materially with research, development, manufacturing or service of WAPI industry. Annual dues: RMB 50'000, Council members: have been common members for more than one year and promise to sign an IPR statement within council members. Annual dues: RMB 50'000 Total number of members: 37 Names of main members and their countries <ul style="list-style-type: none"> China IWNCOMM Co., Ltd. China | | |
| Cooperative Relationships | <ul style="list-style-type: none"> None | | |
| IPR policy | <ul style="list-style-type: none"> Available | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Beijing/China URL and telephone number <ul style="list-style-type: none"> URL: http://www.wapia.org/, TEL: 86 10 8235 7754 | | |

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| Name of Forum | China Bluetooth Technical Industry Alliance | | |
| Active Purpose | Others: Technology/Standards Promotion | Established Date | 2006.12 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> C[Council] C --> S[Secretariat] S --> CWG[contact working group] S --> LWG[legal working group] S --> MWG[market working group] S --> FG[Financial Group] S --> SG[supporting group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Preparation of standards – Development of technology • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Market WG: disseminate Bluetooth standards – Contact WG: contact affairs – Legal WG: deal with legal problems | | |
| 2007 Results | <ul style="list-style-type: none"> • The first council meeting of China Bluetooth Technical Industry Alliance was held in Beijing in July 12, 2007 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Common members: will abide by the Constitution and the IPR policy of Bluetooth Industry Alliance; and have been involved materially with research, development, manufacturing or service of Bluetooth industry <ul style="list-style-type: none"> – Annual dues: RMB 100 • Council members: have been common members for more than one year and promise to sign an IPR statement within council members <ul style="list-style-type: none"> – Annual dues: RMB 3'000 • Total number of members: more than 90 | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Keep in touch with Bluetooth SIG | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Shenzhen/China • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.cbtii.com/, TEL: 86-755-82542169 | | |

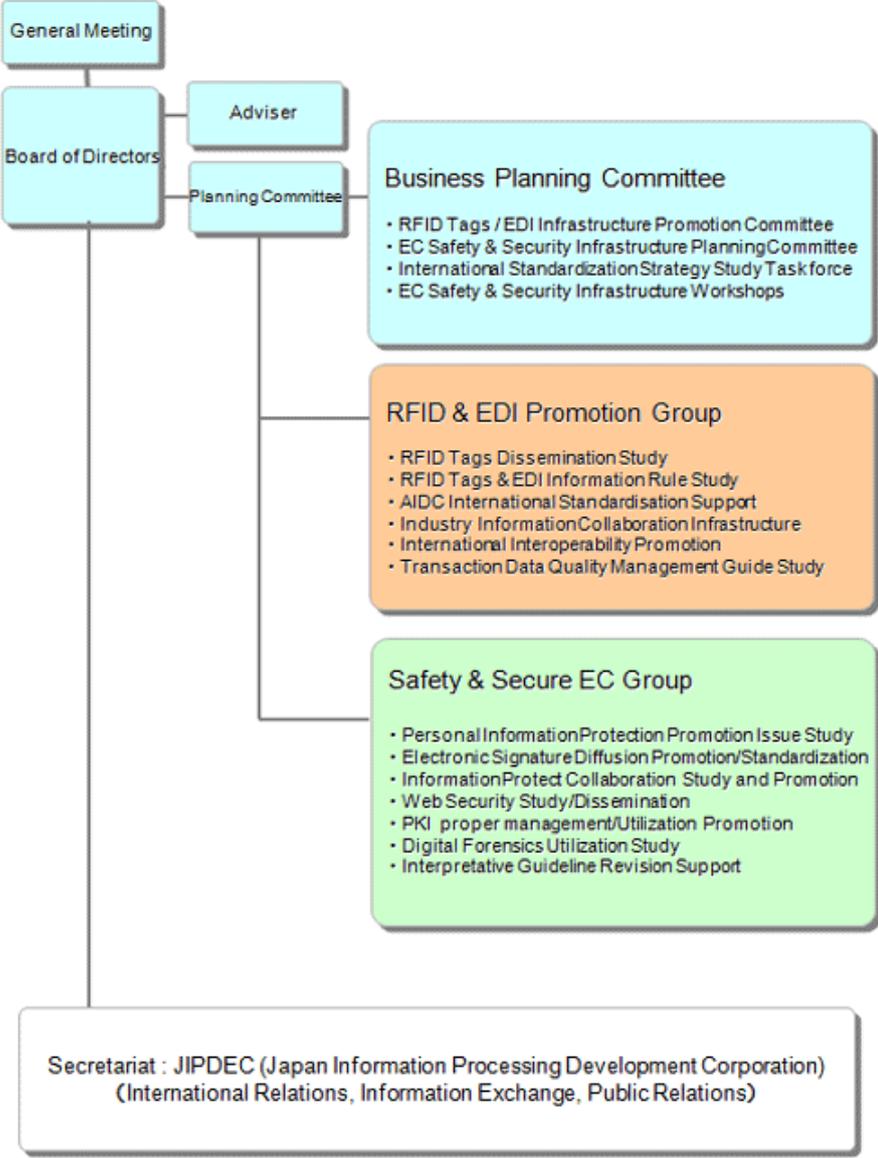
| | | | |
|---------------------------|--|------------------|---------|
| Name of Forum | China RFID Industry Alliance | | |
| Active Purpose | <ul style="list-style-type: none"> 1) Development of specifications in order to implement and ensure the interoperability 2) Development of pre-standards 3) Development of "de facto" standards 4) Others | Established Date | 2006.12 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to RFID/USN | | |
| Organizational Structure | <pre> graph TD A[China Information Industry Trade Association] --- B[China RFID Industry Alliance] C[Expert Adviser Committee] --- B B --- D[Secretariat] B --- E[Hardware Work Group] B --- F[Software Work Group] B --- G[Application Work Group] B --- H[Standard and Testing Work Group] B --- I[IPR Work Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Development of standards and technology – Application of RFID technology • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Technology WG: develop standards, technology and application of RFID – IPR WG: operate the uniform Intellectual Property Rights (IPR) policies within the alliance | | |
| 2007 Results | <ul style="list-style-type: none"> • 2007 China International Smart Cards (Shanghai) Expo & RFID Seminar was held in Shanghai in November 20, 2007. The 5th China (Beijing) RFID International Summits Conference was held in Beijing in May 10, 2007 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Common members and council members will abide by the Constitution and the IPR policy of China RFID Industry Alliance; and have been involved materially with research, development, manufacturing or service of Bluetooth industry <ul style="list-style-type: none"> – Common members annual dues: RMB 2'000 – Council members annual dues: RMB 4'000 • Total number of members: 171 | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • None | | |
| IPR policy | <ul style="list-style-type: none"> • Available | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Beijing/China • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.ciitarfid.org/index.asp, TEL: 86 10 5179 8576 | | |

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|---------------------------|---|------------------|---------|
| Name of Forum | HDPLCA (HD-PLC Alliance) | | |
| Active Purpose | Others | Established Date | 2007.09 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Consultants --- PM[Plenary Meeting] PM --- SC[Steering Committee] SC --- AO[Administration Office] SC --- IWG["Interoperability WG (Pulg Fest so on)"] SC --- MWG[Marketing WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission (Activities) <ul style="list-style-type: none"> Creating a simple and stable communication environment <ol style="list-style-type: none"> 1) Provide compatibility testing of devices from different manufacturers 2) Increase awareness and use among electrical, construction and wiring professionals. Promoting the benefits and convenience of PLC <ol style="list-style-type: none"> 1) Web value-added information and seminars. 2) Advertising campaigns and collaborative expos, etc. Promoting connectivity between home, business, and inter-industry devices <ol style="list-style-type: none"> 1) Technology conferences, cooperation with other alliances 2) Share information on usage environments for PLC 3) Promotion of industry standards | | |
| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> CEATEC JAPAN 2008 HD-PLC Alliance Showcase PLC World at Computex Taipei 2008 30, June, 2008 HD-PLC Magazine Website Launch HD-PLC booth at CES2008 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <ul style="list-style-type: none"> Promoter and Promoter-Affiliated Member: annual dues: JPY 500'000 Ordinary and Ordinary-Affiliated Member: annual dues: JPY 300'000 Total number of members: 20 Names of main members and their countries <ul style="list-style-type: none"> Japan: Panasonic, IO Data Device, Panasonic Communications, PanaHome, Panasonic Semiconductors, Panasonic Electric Works Canada: Icron Technologies Corporation Panama: ACN Advanced Communications Networks SA | | |
| Cooperative Relationships | <ul style="list-style-type: none"> IEEE, CEPCA (Consumer Electric Powerline Alliance) | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |

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| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Panasonic Communications Co., Ltd. 4-1-62 Minoshima, Hakata-ku, Fukuoka-city, Fukuoka, 812-8531 Japan • URL and telephone number – URL: http://www.hd-plc.org/, TEL: +81 92 477 1671 |
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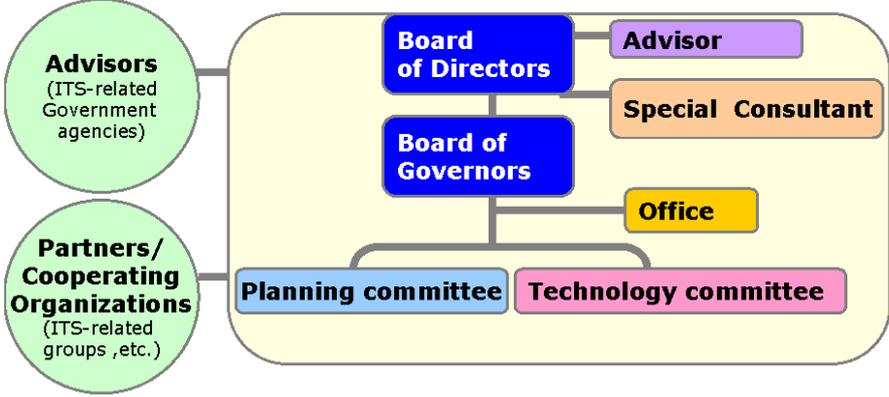
| | | | |
|--------------------------|---|------------------|---------|
| Name of Forum | ECHONET (ECHONET Consortium) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1997.12 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <p style="text-align: right; margin-right: 50px;"> A: For Group A members B: For Group B members B': For Group B' members (B) (B'): Group B members may participate with consent of relevant committee WG: Working Group </p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission – To develop key software and hardware technical standards for home network systems that conserve energy, improve home security and healthcare, enable remote monitoring and control of equipment, and so on. • Work Group Characteristics and Deliverables – Steering Committee: Engaged in a comprehensive range of activities to ensure the smooth, efficient operation of the Consortium. Responsibilities include planning, budget management, and administration of general assemblies and forums. Also responsible for organizing and coordinating committees and working groups – Technical Committee: Engaged in the development of standards for the transmission media and middleware, which will be the building blocks of the next-generation network system – Promotion Committee: Engaged in public relations to promote acceptance of the next-generation network system developed and standardized by the Consortium. Also conducts surveys to make the system as user-friendly as possible | | |

| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technical Standards (specifications) <ul style="list-style-type: none"> ECHONET Specification Ver3.20 ECHONET Consortium 2007 exhibited results of activities to promote popularization of ECHONET in CEATEC JAPAN Exhibition. | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--|--------------|-----------------------|--------------|----------|--|--|-------------|-----------|---|--|---|----------|---|--|-----------|-----------|---|--|---|
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: <table border="1"> <thead> <tr> <th>Category</th> <th>Requirements</th> <th>Type of Participation</th> <th>Fee (Annual)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Companies deemed by the Steering Committee to be capable of making technological contributions</td> <td>-Participation in general assembly (Voting rights) -Participation in Forum -Participation in committees -Participation in development efforts</td> <td>¥ 3,000,000</td> </tr> <tr> <td>A'</td> <td>Affiliate with 50% more of the total contribution to members A Note: Should be made by advance registration by member A.</td> <td>-Participation in Forum -Participation in committees -Participation in development efforts</td> <td>-</td> </tr> <tr> <td>B</td> <td>None in particular; this class is open to all interested companies around the world</td> <td>-Participation in general assembly (Voting rights) -Participation in Forum -Participation in working groups (with committee consent) -Presentation of opinions on development efforts</td> <td>¥ 300,000</td> </tr> <tr> <td>B'</td> <td>Affiliate with 50% more of the total contribution to members B Note: Should be made by advance registration by member B.</td> <td>-Participation in Forum -Participation in working groups (with committee consent) -Presentation of opinions on development efforts</td> <td>-</td> </tr> </tbody> </table> Total number of members: <ul style="list-style-type: none"> Category A members: 6, Class A' Members: 18 (as of 2 Feb. 2009) Category B members: 26, Class B' Members: 13 (as of 1 April 2009) Names of main members and their countries <ul style="list-style-type: none"> Japan: Hitachi, Panasonic, Mitsubishi Electric, Sharp, Tokyo Electric Power, Toshiba | Category | Requirements | Type of Participation | Fee (Annual) | A | Companies deemed by the Steering Committee to be capable of making technological contributions | -Participation in general assembly (Voting rights) -Participation in Forum -Participation in committees -Participation in development efforts | ¥ 3,000,000 | A' | Affiliate with 50% more of the total contribution to members A Note: Should be made by advance registration by member A. | -Participation in Forum -Participation in committees -Participation in development efforts | - | B | None in particular; this class is open to all interested companies around the world | -Participation in general assembly (Voting rights) -Participation in Forum -Participation in working groups (with committee consent) -Presentation of opinions on development efforts | ¥ 300,000 | B' | Affiliate with 50% more of the total contribution to members B Note: Should be made by advance registration by member B. | -Participation in Forum -Participation in working groups (with committee consent) -Presentation of opinions on development efforts | - |
| Category | Requirements | Type of Participation | Fee (Annual) | | | | | | | | | | | | | | | | | | |
| A | Companies deemed by the Steering Committee to be capable of making technological contributions | -Participation in general assembly (Voting rights) -Participation in Forum -Participation in committees -Participation in development efforts | ¥ 3,000,000 | | | | | | | | | | | | | | | | | | |
| A' | Affiliate with 50% more of the total contribution to members A Note: Should be made by advance registration by member A. | -Participation in Forum -Participation in committees -Participation in development efforts | - | | | | | | | | | | | | | | | | | | |
| B | None in particular; this class is open to all interested companies around the world | -Participation in general assembly (Voting rights) -Participation in Forum -Participation in working groups (with committee consent) -Presentation of opinions on development efforts | ¥ 300,000 | | | | | | | | | | | | | | | | | | |
| B' | Affiliate with 50% more of the total contribution to members B Note: Should be made by advance registration by member B. | -Participation in Forum -Participation in working groups (with committee consent) -Presentation of opinions on development efforts | - | | | | | | | | | | | | | | | | | | |
| Cooperative Relationships | <ul style="list-style-type: none"> MoU with IGRS (Intelligent Grouping and Resource Sharing: China) and HNA (Korea Home Network Alliance: Korea) in 2005 | | | | | | | | | | | | | | | | | | | | |
| IPR policy | <ul style="list-style-type: none"> Available | | | | | | | | | | | | | | | | | | | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> c/o Central Melco Corporation 3-26-33 Takanawa Minato-ku, Tokyo 108-0074 Japan URL and telephone number <ul style="list-style-type: none"> URL: http://www.echonet.gr.jp/english/index.htm TEL: +81 3 5447 5235, FAX: +81 3 5447 5236 | | | | | | | | | | | | | | | | | | | | |

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|--------------------------|--|------------------|---------|
| Name of Forum | ECOM (Next Generation Electronic Commerce Promotion Council of Japan) | | |
| Active Purpose | Others | Established Date | 1996.04 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to Electronic Commerce | | |
| Organizational Structure |  <pre> graph TD GM[General Meeting] --- BD[Board of Directors] BD --- Adv[Adviser] BD --- PC[Planning Committee] PC --- BPC[Business Planning Committee] PC --- REDI[RFID & EDI Promotion Group] PC --- SSEC[Safety & Secure EC Group] BPC --- Sec[Secretariat: JIPDEC] REDI --- Sec SSEC --- Sec </pre> <p>Business Planning Committee</p> <ul style="list-style-type: none"> RFID Tags / EDI Infrastructure Promotion Committee EC Safety & Security Infrastructure Planning Committee International Standardization Strategy Study Task force EC Safety & Security Infrastructure Workshops <p>RFID & EDI Promotion Group</p> <ul style="list-style-type: none"> RFID Tags Dissemination Study RFID Tags & EDI Information Rule Study AIDC International Standardisation Support Industry Information Collaboration Infrastructure International Interoperability Promotion Transaction Data Quality Management Guide Study <p>Safety & Secure EC Group</p> <ul style="list-style-type: none"> Personal Information Protection Promotion Issue Study Electronic Signature Diffusion Promotion/Standardization Information Protected Collaboration Study and Promotion Web Security Study/Dissemination PKI proper management/Utilization Promotion Digital Forensics Utilization Study Interpretative Guideline Revision Support <p>Secretariat : JIPDEC (Japan Information Processing Development Corporation) (International Relations, Information Exchange, Public Relations)</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To provide a place for users and vendors involved in electronic commerce to cooperate beyond the framework of company and industry using the knowledge, experience, and network Work Group Characteristics and Deliverables RFID Tags & EDI promotion Group (see above organizational structure for characteristics) Safety & Security EC Group (see above organizational structure for characteristics) Secretariat Information Exchange International Relations Public Relations | | |

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| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Initial publication of "ECOM" Guideline for the Small and Medium Business – Fifth revision of "ECOM" Guideline for Protection of Personal Information – Revision of Interpretative Guidelines on Electronic Commerce and Information Property Trading – ECOM FORUM 2008 (03/Mar./2008) – ECOM Seminars: <ul style="list-style-type: none"> – 12/Feb./2008 "What are proactive and strategic information security measures?" – 12/Feb./2008 "The latest trends of EC in overseas" – 24/Jan./2008 "Document preservation management and long-term preservation technologies" – 19/Nov./2007 "Approaches to administration relating to the law on the protection of personal information and future trends" – 26/Oct./2007 "Towards an even greater use of electronic administration services" – 01/Oct./2007 "Towards the construction of an information sharing system that uses EC and RFID tags" – 27/July/2007 "State of international standardization of RFID tags and future trends" – 27/June/2007 "State of the EC market in Japan as seen from a Japan-US" – 28/May/2007 "Effects and creation through EC introduction models based on Japan-US EC examples" |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – Board member JPY 1'500'000 – Regular member A JPY 600'000 – Regular member B JPY 200'000 – Special member JPY 0 • Total number of members: Board Member: 6, Regular member A: 33, B: 56, Special Member: 3 • Names of main members and their countries <ul style="list-style-type: none"> – Board Members: Japan: NTT Data, Fujitsu, NEC, Hitachi, Global Friendship, Fuji Electric Holdings |
| Cooperative Relationships | <ul style="list-style-type: none"> • Domestic Organization <ul style="list-style-type: none"> – Japan Information Processing Development Cooperation (JIPDEC) – Japan Electronic Data Interchange Council (JEDIC) • Overseas Organization <ul style="list-style-type: none"> – China: China Electronic Commerce Association (CECA), Shanghai Electronic Commerce Association (SECA) – Korea: Korea e-Business Association (KOEB) |
| IPR policy | <ul style="list-style-type: none"> • Not available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Kikai Shinko Kaikan BLDG. 3FL., 3-5-8 Shibakoen, Minato-KU, Tokyo 105-0011 Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.ecom.jp/en/index.html Telephone: +81 3 3436 7500 – TEL: 81 3 3436 7500 FAX:+81 3 3436 7570 |

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|---------------------------|--|------------------|---------|
| Name of Forum | ICTFSS (ICT Forum for Security and Safety) | | |
| Active Purpose | Other | Established Date | 2007.05 |
| Object field | <ul style="list-style-type: none"> • Security | | |
| Organizational Structure | <pre> graph TD Council[Council] --- Steering[Steering Committee] Advisers[Advisers] --- Steering Steering --- Sensing[Sensing Technology Mtg] Steering --- Planning[Planning Mtg] Steering --- Info[Information & Communication Technology Mtg] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To construct a safe and secure world using information and communication technology by promoting its research, development, standardization, application and utilization under the cooperation of government, academic and industry communities. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Sensing Technology Mtg – Planning Mtg – Information and Communication Technology Mtg | | |
| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Experiment of communications using satellites for disaster prevention training in cities such as Tokyo – Held seminar and symposium: 06/02/2009 Disaster and Risk Management ICT Symposium 2009 | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: JPY 100'000 for companies and organizations. Free for individuals • Total number of members: 141 (as of 05/11/2008) • Names of main members and their countries <ul style="list-style-type: none"> – Japan: NTT, NTT Data, NTT Docomo, OKI, Kajima Construction, KDDI, Zenrin, Hitachi, NEC, Fujitsu, Mitsubishi Electric, Panasonic, Toshiba, NHK | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Unknown | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – ICTFSS Secretariat, c/o Supporting Center for Advanced Telecommunication Technology, Koike Building, 1-20-2, Shinjuku, Shinjuku-ku, Tokyo, 160-0022 Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.scats.or.jp/ictfss/index.html, TEL:+81 3 3351 8166 | | |

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|--------------------------|---|------------------|---------|
| Name of Forum | Internet ITS Consortium | | |
| Active Purpose | <ul style="list-style-type: none"> Development of "de facto" standards | Established Date | 2002.10 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure |  <p>The diagram illustrates the organizational structure of the Internet ITS Consortium. On the left, two green circles represent external entities: 'Advisors (ITS-related Government agencies)' and 'Partners/Cooperating Organizations (ITS-related groups, etc.)'. These are connected to a central yellow rounded rectangle containing the internal structure. At the top of this structure is the 'Board of Directors' (blue box), which is connected to an 'Advisor' (purple box) and a 'Special Consultant' (orange box). Below the Board of Directors is the 'Board of Governors' (blue box). The Board of Governors is connected to an 'Office' (yellow box) and two committees: the 'Planning committee' (light blue box) and the 'Technology committee' (pink box).</p> <p>http://www.internetits.org/en/top.html</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <p>To accomplish the following objectives:</p> <ul style="list-style-type: none"> To create a development scenario for the social infrastructure of Internet ITS To develop, popularize and standardize Internet ITS technology To incubate new business <p>http://www.internetits.org/en/top.html</p> <ul style="list-style-type: none"> Work Group Characteristics and Deliverables Support of business incubation: to investigate, exchange information, and inspect social acceptance toward incubation of the applications and services realized by the Internet ITS Development of platform specification: to develop specification of the open platform supporting the Internet ITS Field inspection: Implementation of the demonstration experiment which confirms the practicality of application and service Standardization activity: to promote standardization of the global Internet ITS specification | | |
| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) Recent activity: <ul style="list-style-type: none"> * 31/10/2008 2nd Information Exchange Meeting for fiscal year 2008 * 04/06/2008 8th General Meeting * 13-15/03/2008 Progress Report Presentation Meeting for fiscal year 2007 | | |

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|--|--|----------------|----------------|
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: | | |
| | | enrollment fee | Yearly Dues |
| | Executive Member | JPY 500'000 | JPY 10'000'000 |
| | Regular member | JPY 500'000 | JPY 2'500'000 |
| | Supporting member | JPY 200'000 | JPY 300'000 |
| | Special member | Free | Free |
| http://www.internetits.org/en/join/pdf/howtojoinus.pdf | | | |
| <ul style="list-style-type: none"> Total number of members: 108 organizations Names of main members and their countries <p>Japan: KDDI, Shinka Information System, NIPPON OIL, DENSO, Toyota Motors, NEC, Fijitsu, Broadleaf, Mobilecast</p> | | | |
| Cooperative Relationships | <ul style="list-style-type: none"> National Police Agency, Ministry of Internal Affairs and Communications, Universal Traffic Management Society of Japan, Association of Radio Industries and Businesses, WIDE Project | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> 1-1-1, Shinbashi, Minato-ku, Tokyo, Japan URL and telephone number <ul style="list-style-type: none"> URL: http://www.internetits.org/en/top.html TEL:+81 3 3500 3790 FAX:+81 3 3500 0005 | | |

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|--------------------------|--|------------------|---------|
| Name of Forum | IPTVFJ (IPTV Forum Japan) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2008.05 |
| Object field | Information Technology relating mainly to Digital Contents | | |
| Organizational Structure | <p>General Assembly of Members:</p> <ul style="list-style-type: none"> Board of Directors: This consists of Directors of Technical Committees: This undertakes specific discussions on the formulation, maintenance, update, publication, etc., of technical specifications Steering Committee: This undertakes discussions on the management of the forum | | |

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| | <pre> graph TD Auditors[Auditors] --- Board[Board of Directors] Secretariat[Secretariat] --- Board SpecGroup[Specification Study Group] --- Board Board --- GenAss[General Assembly of Members] Board --- TechCom[Technical Committee] Board --- SteerCom[Steering Committee] TechCom --- VOD[VOD WG] TechCom --- Download[Download WG] TechCom --- IPB[IP Broadcasting WG] TechCom --- IPR[IP Retransmission WG] TechCom --- CDN[CDN-scope WG] TechCom --- Internet[Internet-scope WG] TechCom --- Integ[Integration-with-Broadcasting WG] TechCom --- Test[Test Specification WG] TechCom --- IntStand[International Standardization Ad Hoc Meeting] TechCom --- PlatInt[Platform Integration Ad Hoc Meeting] </pre> |
| Core Activities | <ul style="list-style-type: none"> • Mission <p>With a view to making IPTV services a reality and promoting their wide use, the IPTV Forum Japan (general corporate judicial person) undertakes the following activities in order to develop and maintain standards related to data transmission and reception needed to provide open IPTV services and the specifications of receivers and other related technical specifications; to promote the enhancement of IPTV services through such activities as studies on common issues related to IPTV services and training of the staff involved in IPTV services, and thereby to contribute to enhanced convenience for IPTV users:</p> <ol style="list-style-type: none"> 1) To develop technical specifications related to IPTV services 2) To maintain and update technical specifications related to IPTV services 3) To disseminate technical specifications related to IPTV services 4) To cooperate in testing, etc., for the commercial application of technical specifications related to IPTV services 5) To promote the use of IPTV services and conduct public relations 6) To undertake any other activities that are deemed necessary for achieving the purposes of this Forum |
| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <p>September 2008: IPTV Specifications related to BML of ARIB TR-B14/B15 October 2008: Seminar on IPTV Specification V1.0</p> |
| Membership and Fees | <p>Three categories, Members A, Members B, and Supporting Members, the fees of which are not available.</p> <ol style="list-style-type: none"> 1) Members A (15 members) 2) Members B (33 members) 3) Supporting Members (19 members) |
| Cooperative Relationships | <ul style="list-style-type: none"> • Not available |
| IPR policy | <ul style="list-style-type: none"> • Not available |

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| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – 3F, Futaba Akasaka Bldg – 8-5-43 Akasaka, Minato-ku, Tokyo, 107-0052, Japan – sec@iptvforum.jp • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.iptvforum.jp/index.html – TEL:+81 3 5858 6685 |
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|--------------------------|---|------------------|---------|
| Name of Forum | ITS Info-communications Forum | | |
| Active Purpose | Others | Established Date | 1999.07 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD Board[Board] --> Steering[Steering Committee] Steering --> Project[Project Subcommittee] Steering --> AdHoc[Project Subcommittee Ad-hoc] Project --> DACSC[Drive Assisting Communication System Committee] Project --> DSRCStd[DSRC Standard WG] Project --> DSRCInt[DSRC Internationalization WG] Project --> DSRCAPI[DSRC Basic API Guideline WG] Project --> PosInfo[Position Information Guideline WG] Project --> BroadSys[Broadcasting System WG] Project --> LocalITS[Local ITS Guidebook WG] Project --> PublicRel[Public Relating Communication WG] Project --> BroadMedia[Broadband Media SIG] Project --> DACSSIG[Drive Assisting Communication System SIG] DACSC --> StandardTG[Standard TG] DACSC --> WirelessTG[Wireless Communication TG] DACSC --> MillimeterWaveTG[Millimeter Wave TG] DACSC --> VSC[VSC TG] BroadSys --> TPEG[TPEG SWG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To realize ITS information communication system, the forum contributes to promote R&D, to investigate standard, to collect information, to enhance promotion. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – R&D subcommittee promotes standard and R&D – Investigation subcommittee enhances promotion and investigates standards | | |
| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Feb. 2008: Ubiquitous ITS symposium | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – Regular members: JPY 100'000 – Individual members: free (needs the approval of Steering Committee) • Total number of members: 110 • Names of main members and their countries <ul style="list-style-type: none"> – Japan: Toyota, Panasonic Mobile Communications, Hitachi, Mitsubishi Electric | | |

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| Cooperative Relationships | <ul style="list-style-type: none"> • ITS America, ITS Japan SAE (Society of Automotive Engineers) ITE (Institute of Transportation Engineers) IEEE (Institute of Electrical and Electronics Engineers) IEC (International Electrotechnical Commission) |
| IPR policy | <ul style="list-style-type: none"> • Not available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Nittochi Bldg. 11F, 1-4-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-0013, Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.itsforum.gr.jp/E_index.html – TEL:+81 3 5510 8662 |

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| Name of Forum | JAISA BSC (Japan Automatic Identification System Association/Biometrics Security Consortium) Committee | | |
| Active Purpose | Other | Established Date | 2003.06 |
| Object field | <ul style="list-style-type: none"> • Security | | |
| Organizational Structure | <p>The diagram, titled "Organization of JAISA BSC", illustrates the organizational structure. At the top is JAISA, which includes a Plenary Session and a Board of Directors. Below the Board of Directors are three main branches: Secretariat, Meeting of Qualification, and Planning and Management Meeting. The Secretariat oversees Public Relations. The Meeting of Qualification oversees a DGC Representative. The Planning and Management Meeting oversees the BSC (Japan Automatic Identification System Association/Biometrics Security Consortium). The BSC includes a Chairman, Vice Chairman, Member of BCS, and Business Partner. The BSC's Planning and Management Meeting oversees three groups: Public Information/Marketing Gr., Research Gr., and Planning International Cooperation. Each of these groups has a corresponding Working Group (WG). Additionally, there is an R&D center and a Committee for Statistics & Research, Technique, and Exhibition/Enlightenment. A Reporting line is shown from the BSC's Planning and Management Meeting back to the Meeting of Qualification.</p> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – It inherits the mission of the former BSC by undertaking activities that enable it to play a central role in the biometrics industry. It maintains the basic stance of the former BSC that has been to tackle common industry challenges: biometrics technology and related social systems and problems facing users of biometrics technologies. It works to create a market environment in which it is possible to promote the wide introduction of biometrics technologies, and offers proposals for international standardization activities in close cooperation with concerned standards organizations. • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Guidebooks, textbooks | | |

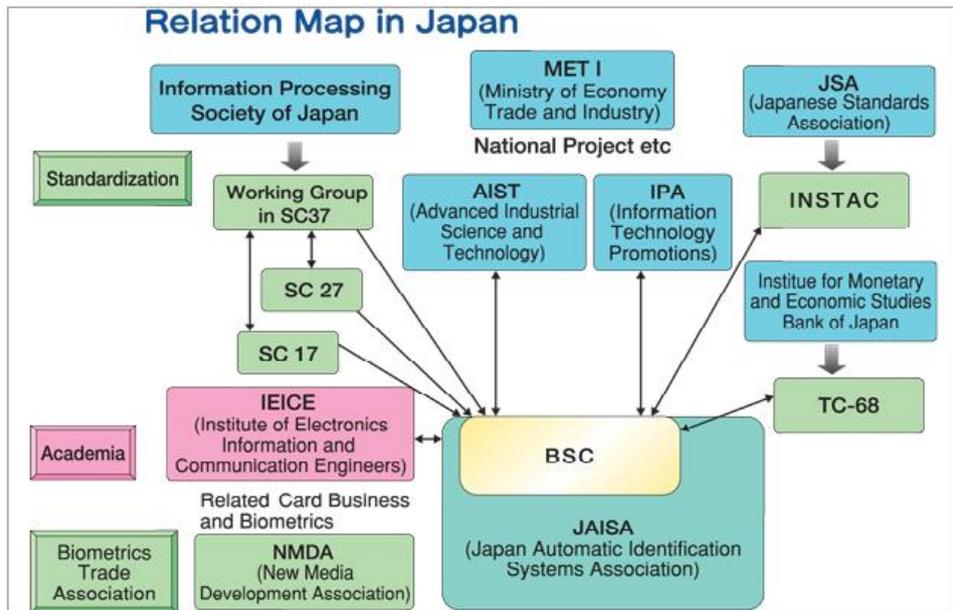
2008 Results

- Progressing and/or completed Technology Standards (specifications)
- 02/Oct./2008 International Standards Seminar (SC37, etc.) was held in Busan, Korea
- 05/Sep./2008 BSC WG (Legal, Technical Standard, Exhibition)
- 25/Aug./2008 The Asian Biometrics Consortium

Membership and Fees

- Annual membership fee: Not available
- Total number of members: 13
- Names of main members and their countries
- Japan: Hitachi, SECOM, Fujitsu, NEC, Hitachi High-Technologies, Toppan Printing, NTT Data, Hitachi Information & Control Solutions, JCB, Mizuho Bank, Konica Minolta Medical & Graphic, Hitachi-Omron Terminal Solutions, Denso Wave

Cooperative Relationships



International cooperation



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| IPR policy | <ul style="list-style-type: none"> • Not available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – FK Bldg.1-9-5, Iwamoto-cho, Chiyoda-ku, Tokyo 101-0032 Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.bsc-japan.com/en/index.html, TEL:+81 50 8864 1689 |

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| Name of Forum | JEPPO (Japan Electronic Payment Promotion Organization) | | |
| Active Purpose | Others | Established Date | 2005.05 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to information technology | | |
| Organizational Structure | <p>Organization of JEPPO</p> <pre> graph TD GM[General Meeting] --- BOD[The Board Of Directors] A[Auditor] --- BOD S[Secretariat] --- BOD BOD --- GC[General Committees] BOD --- NSTC[Network Settlement Technical Committee] BOD --- ICTC[IC Card Technical Committee] GC --- WG1[Working Groups] NSTC --- WG2[Working Groups] ICTC --- WG3[Working Groups] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Spread of business that relates to electronic settlement and achievement of cashless society – Promotion of business that relates to electronic settlement and IC card – Sending of information related to the Internet technology that makes electronic settlement and IC card • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – General Committees: <ul style="list-style-type: none"> – Execution of opinion exchange of government offices, financial institutions, and other groups and execution of information gathering – Registration of member store in which it participates in debit card business – Acquisition of literary property of trademark, etc., that displays debit card business or the member store and execution of the management – Network Settlement Technical Committee: <ul style="list-style-type: none"> – The country and international trend investigation of electronic settlement – Development of the new business model related to electronic settlement – Grasp of maintenance situation of security technological trend and related law – IC Card Technical Committee: <ul style="list-style-type: none"> • Approach and case study of infrastructure maintenance for IC card • Draft a manual concerning revision of Radio Law | | |

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| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – General Committees: <ul style="list-style-type: none"> • The campaign to gain by using the J-Debit card • The campaign to expand the member store of the J-Debit card • Network Settlement Technical Committee: Unknown • IC Card Technical Committee: Unknown |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: The fee has been decided as each committee becomes independent – General Committee: There are five kinds of member types (regular member, associate member, special member, supporting member and joining shop member) – Admission fee: from JPY 6'000'000 to JPY 9'000'000 – Annual membership fee: from JPY 3'000'000 to JPY 8'000'000 – Network Settlement Technical Committee: Unknown – IC Card Technical Committee: Unknown • Total number of members: 2863 – General Committees: 2469 – Network Settlement Technical Committee: 128 – IC Card Technical Committee: 266 • Names of main members and their countries: Unknown |
| Cooperative Relationships | <ul style="list-style-type: none"> • SETCo (Secure Electronic Transaction LLC of USA) |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – NTTDATA Ohtemachi Bldg10F, 2-2, Ohtemachi 2-Chome, Chiyoda-ku, Tokyo, 100-0004 Japan • URL and telephone number – URL: http://www.jeppo.gr.jp/, TEL: +81-3-3510-0626 |

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| Name of Forum | JICSAP (Japan IC Card System Application council) | | |
| Active Purpose | Others | Established Date | 1993.03 |
| Object field | <ul style="list-style-type: none"> Information technology | | |
| Organizational Structure | <pre> graph TD Chairman[Chairman Shigeo Tsujii (Professor, Chuo Univ.)] --- Board[Board meeting] Chairman --- AP[Application and Promotion Dept. Chairman Osamu Sudo (Professor, Tokyo Univ.)] Chairman --- Std[Standardization Dept. Chairman Toshiharu Ieki (Professor, Musashi Institute of Technology)] Chairman --- PR[Public Relations Dept.] AP --- AP_Act[Draw up of AP model] Std --- Std_Act[Draw up of JIS draft] AP_Act --- Stakeholders[Governments, Enterprises, other institutes and groups] Std_Act --- Stakeholders </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To build an advanced social system by using the IC card system Information exchanges between members Investigation, research, demonstration of experiments of the business model To spread an enlightenment of IC card system Standardization and certification of IC card system | | |
| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> JIS X 6305-6/Amendment 1: 2009: Identification cards – Test methods – Part 6: Proximity cards (Amendment 1), 20 Apr. 2009 revised JIS X 6320-3: 2009: Identification cards – Integrated circuit cards – Part 3: Cards with contacts – Electrical interface and transmission protocols, 20 Apr. 2009 JIS X 6320-4: 2009: Identification cards – Integrated circuit cards – Part 4: Organization, security and commands for interchange, 20 April 2009 | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: JPY 300'000 (Admission fee: JPY 300'000) Total number of members: 44 Names of main members and their countries <ul style="list-style-type: none"> Japan: Institute of Information Security, Tokyo Institute of Technology, Toppan Printing, JR East Mechatronics, SHARP, Dai Nippon Printing, SONY, NTT Data | | |
| Cooperative Relationships | <ul style="list-style-type: none"> The Next generation IC Card System Study group (NICSS) Telecommunications Carriers Association (TCA) Next Generation Electronic Commerce Promotion Council of Japan (ECOM) The International Card Manufacturers Association (ICMA) Smart Card Alliance | | |

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| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Chiyoda Platform Square 2F, 3-21, Kanda-Nishiki-chou, Chiyoda-ku, Tokyo, 101-0054, Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.jicsap.com/english_home.html, TEL:+81 3 5259 8296 |

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| Name of Forum | Marlin-DRM Users Forum Japan | | |
| Active Purpose | Others | Established Date | 2007.05 |
| Object field | <ul style="list-style-type: none"> • Digital Contents | | |
| Organizational Structure | Unknown | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – This forum is established to study, develop and provide the Japan Specific Compliance Rules and Implementation Guidelines especially for Marlin IPTV-ES (IPTV End-point Service) among Marlin DRM required for the commercial deployment in Japan • Work Group Characteristics and Deliverables <p>Not available</p> <ul style="list-style-type: none"> – The Compliance Rules and Implementation Guidelines for the commercial use in Japan-based on Marlin IPTV-ES – The criteria for the compliance test in Japan-based on Marlin IPTV-ES | | |
| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – 24/Dec./2008: Approved Specific CR v1.2 and Implementation Guidelines v1.1 for DL version and Implementation Guidelines v1.2 for IP Multicast version. – 26/Sep./2008: Approved Specific CR v1.1 for DL version and Specific CR v1.2 for IP Multicast version – 19/Sep./2008: Update the Members Rule – 18/Sep./2008: Held the second General Assembly meeting – 01/July/2008: Approved Specific CR v1.0 and Implementation Guidelines v1.0 for DL version – 01/May/2008: Approved Specific CR v1.1 and Implementation Guidelines v1.1 for VoD version and for IP Multicast version | | |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: free <p>Membership of this forum is open for any corporation which considers commercial business using Marlin-DRM.</p> <ul style="list-style-type: none"> • Total number of members: 50 • Names of main members and their countries <p>Japan: Actvila, Hitachi, KDDI, NTT, Panasonic, Sharp, Sony, Toshiba</p> | | |
| Cooperative Relationships | <ul style="list-style-type: none"> • Marlin Trust Management Organization (MTMO) | | |
| IPR policy | <ul style="list-style-type: none"> • Not available | | |

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| Contact Point | <ul style="list-style-type: none"> Office location (city/country) Not available URL and telephone number – URL: http://www.marlinusers-japan.org/index-e.html, TEL: Not available |
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| Name of Forum | MBA (Mobile Broadband Association) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2008.12 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <p style="text-align: center;">Organization of MBA</p> <pre> graph TD CP[Chair Person] --- GM[General Meeting] CP --- BOD[The Board Of Directors] CP --- Sec[Secretariat] BOD --- Auditor[Auditor] BOD --- HWG[Hardware WG] BOD --- PWG[Protocol WG] BOD --- AWG[Application WG] BOD --- PG[Planning Group] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> The purpose of the Association is to develop specifications for Internet mobile broadband services exclusive of inclusions such as NAT based on the end-to-end principle and global addressing; to conduct research and development of relevant technologies; to encourage utilization, public awareness, positive development, and diffusion of mobile broadband services; and to contribute to building up a mobile and broadband Internet society. Work Group Characteristics and Deliverables <ul style="list-style-type: none"> Hardware WG: The strongest merits of the mobile broadband infrastructure are the hand-over capacity, which allows the Internet connection to be stable during high-speed movement (mobility), and the research and development of the specialized terminals for secure mobile Internet access based on user authentication. Protocol WG: Protocol WG aims to cultivate and promote use of mobile broadband by preparing and providing indispensable protocols for mobile broadband environment. Members of this subcommittee examine the protocols and finalize it as MBA standard. Then, the Subcommittee introduces the standardized protocol to the public in general so that nobody can utilize it. Application WG: Application WG investigates practicing from all the aspects and researches various methods and problems to use the mobile broadband. | | |

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| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – Holding of IEEE802.11 Interim debriefing session (802.11 Interim Overview and WNG-SC), 9 Oct. 2008 – Holding of IEEE802.11 Plenary debriefing session (Broadband Access for High Speed Transportation), 17 Dec. 2008 |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – Regular member: In the group that does a mobile broadband business and the related business, there is a right to vote. Annual membership fee: JPY 120'000 – Support member: There is no right to vote though there is right to remark. Annual membership fee: JPY 60'000 – Individual member: There is no right to vote though there is right to remark. Annual membership fee: free • Total number of members: 14 • Names of main members and their countries <ul style="list-style-type: none"> – Japan: ICOM, Kyocera, Sanyo Electric, JIN Office Service, Softbank BB, Nippon Antenna, Pioneer, Institute for Hyper Network Society, Hitachi, Panasonic, WIT, ROOT |
| Cooperative Relationships | <ul style="list-style-type: none"> • Unknown |
| IPR policy | <ul style="list-style-type: none"> • Available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Nihonbashi-Kobunachou, Chuou-Ku, Tokyo, Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.mobile-broadband.org/e-main.html, TEL: +81 3 5641 1088, E-mail: infodesk@mobile-broadband.org |

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| Name of Forum | MCPC (Mobile Computing Promotion Consortium) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 1997.06 |
| Object field | <ul style="list-style-type: none"> • Convergence Infrastructure relating to Mobile Communication | | |

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| <p style="text-align: center;">Organizational Structure</p> | <pre> graph TD A[Chairman/Vice-chairman] --- B[Secretariat] A --- C[Planning & Steering Committee] A --- D[Mobile IT Proficiency Test Project] A --- E[IPR Committee] A --- F[Technology Committee] A --- G[Mobile Security Committee] A --- H[MCPC 802.11 Committee] A --- I[Bluetooth Committee] A --- J[Promotion Committee] A --- K[Customer Solution Support Promotion Committee] A --- L[Smartphone Committee] F --- F1["- Terminal Work Group (WG) (Guide Line SWG, USG SWG, Consumer SWG)"] F --- F2["- Car-Office Communication WG"] F --- F3["- Center system WG"] F --- F4["- Application system WG"] I --- I1["- Technical Working Group (WG) (Hands-Free Guideline SWG)"] I --- I2["- Interoperability WG"] I --- I3["- Application WG"] J --- J1["- Promotion Working Group (WG)"] J --- J2["- Start-up Business Support WG"] </pre> |
| <p style="text-align: center;">Core Activities</p> | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – To shape and expand a full-scale and sound mobile computing system market. To achieve this, cooperation is required of interests related to communication (network), computer hardware/software, system integrators (including service providers), and the media – To facilitate research and implement measures for technical and operational issues, promote joint research and development, establish de facto standards, and promote dissemination to implement and evolve a more advanced, efficient and economic mobile computing system. Accordingly, the consortium will cooperate internationally with interested organizations, contribute to the evolution and expansion of the information society, and play a leading role in mobile computing system efforts worldwide, especially in Asia. MCPC also has excellent relations with the PCCA in the US • Work Group Characteristics and Deliverables <ol style="list-style-type: none"> 1) Conduct research and execute measures on mobile computing system technical and operational issues (including the establishment of de facto standards) 2) Endeavor to shape and expand the mobile computing systems market 3) Improve inter connectivity, and establish and acknowledge mobile computing system standards 4) Contribute to the institution of a multimedia-communications infrastructure that uses mobile computing 5) Exchange information with other global organizations related to mobile systems |

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| 2008 Results | <ul style="list-style-type: none"> • Events held – 21/Nov./2008 12th Innovation Challenge Seminar in Osaka – 10/Nov./2008 11th Innovation Challenge Seminar – 1/Oct./2008 CEATEC Japan 2008 Panel Discussion – 5/Sep./2008 MCPC Mobile Solution Fair – 24/July/2008 10th Innovation Challenge Seminar – 22/July/2008 Wireless Japan 2008 – 18/July/2008 CIAJ Expert Knowledge Seminar on Mobile Security – 28/May/2008 9th Innovation Challenge Seminar – 16/Apr.2008 4th IEMF Next Generation Mobile Technology & Solution – 19/Mar./2008 MCPC Award 2008 – 27/Mar./2008 8th Innovation Challenge Seminar • Workshops held – 25/July/2008 23rd Bluetooth Interoperability Test WS – 21/Nov./2008 24th Bluetooth Interoperability Test WS |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: Founding Member: JPY 2'100'000; Ordinary Member: JPY 525'000; Affiliate Member: JPY 105'000 • Total number of members: 170 (163 Japanese) • Names of main members and their countries – Japan: NTT Docomo, KDDI, Toshiba, NEC, Sharp, Hitachi, Mitsubishi Electric, Casio Computers, Softbank Mobile, Willcom – USA: Microsoft, Intel – China: Lenovo Japan |
| Cooperative Relationships | <ul style="list-style-type: none"> • Mutual registration of membership with PCCA (Portable Computer & Communications Association) of USA |
| IPR policy | <ul style="list-style-type: none"> • Available at http://www.mcpc-jp.org/profile/ip.htm |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – Shibakoen Sanada Building 2F, 3-5-12, Shibakoen, Minato-ku, Tokyo, Japan • URL and telephone number – URL: http://www.mcpc-jp.org/index_e.htm, – TEL: +81 3 5401 1935 |

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| Name of Forum | PHS MoU (Personal Handyphone System Memorandum of Understanding Group) | | |
| Active Purpose | Others | Established Date | 1996.07 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating to Mobile Communication | | |
| Organizational Structure | <pre> graph TD GM[General Meeting] --> CVC[Chairman & Vice Chairman] CVC --> SC[Steering Committee] CVC --> OC[Operators' committee] CVC --> MS[MoU Secretariat] MS --> BWG[Business Working Group BWG] MS --> TWG[The New Technical Working Group TWG] MS --> PWG[Promotion Working Group PWG] MS --> OWG[Optimization Working Group Suspending] </pre> <p>Chairman & Vice Chairman: Chairman: Mr. Yuji Inoue (TTC) Vice Chairman: Mr. Masayoshi Wakao (ARIB), Mr. Yoshioki Chika (WILLCOM), Mr. Sam Endy (Telecom Consultant)</p> <p>Operators' committee: Chairman: Dr. H.B. Chuang</p> <p>MoU Secretariat: Secretary General: Mr. S. Sugiura Vice Secretary General: Mr. H. Osawa Senior Coordinator: Mr. O. Kamimura Senior Area Coordinator: Ms. E. Tada</p> <p>Business Working Group (BWG): Chairman: Mr. S. Satoh Vice Chairman: Mr. S. Fujii, Mr. T. Dean</p> <p>The New Technical Working Group (TWG): Chairman: Mr. H. Kawai Vice Chairman:</p> <p>Promotion Working Group (PWG): Chairman: Mr. Y. Akatsuka Vice Chairman: Mr. T. Ochiai</p> <p>Optimization Working Group (Suspending): Chairman: Mr. H. Yoshida Vice Chairman: Mr. O. Kamimura, Mr. T. Tamakita</p> | | |
| Core Activities | <ul style="list-style-type: none"> Mission <p>The PHS MoU Group is dedicated to the diffusion of PHS wireless technology worldwide. The Objective is to introduce, operate and spread the PHS on a world-wide basis and thereby to contribute to the improved convenience of telecommunications users and to the consequential benefit of the people in the world.</p> <ul style="list-style-type: none"> Elaboration of technical specifications related to PHS Development of PHS services Promotions, and promotion campaigns related to PHS Promotion of PHS international roaming Management and assignment of PHS ID (unique ID code assigned for each PHS equipment each country) Conduct of general and miscellaneous promotion of PHS <ul style="list-style-type: none"> Work Group Characteristics and Deliverables Business WG: To survey the market and to propose new methods. Technical WG: To promote and diffuse PHS services. Promotion WG: To conduct promotional activities for PHS development. Optimization WG: To explore further potentials of PHS system. Next Generation PHS ad-hoc WG: To develop next generation PHS. | | |
| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) 28-30, Oct., 2008: The 23rd PHS MoU Group General Meeting 21, Mar., 2008: NWG+WGs Meetings 12-14, Dec., 2007: NWG & PWG-SWG4 Meeting | | |

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| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Signatory Members Steering Committee membership: JPY 900'000 Other: JPY 300'000 or JPY 600'000 Telecommunication Authority and Public Organization Members: – <ul style="list-style-type: none"> Total number of members: 63 Names of main members and their countries <ul style="list-style-type: none"> Australia: ACA Indonesia: DGPT Japan: MIC, ARIB, TELEC, TTC, Hitachi, KYOCERA, WillCOM Singapore: IDA Thailand: NECTEC |
| Cooperative Relationships | <ul style="list-style-type: none"> Ministry of Internal Affairs and Communications (MIC) Association of Radio Industries and Businesses (ARIB) Telecom Engineering Center (TELEC) The Telecommunication Technology Committee of Japan (TTC) |
| IPR policy | <ul style="list-style-type: none"> Available |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> Nittochi Bldg 11F, 1-4-1, Kasumigaseki, Chiyoda-ku, Tokyo, 100-0013, Japan URL and telephone number <ul style="list-style-type: none"> URL: http://www.phsmou.org/ TEL: +81 3 5510 8599 |

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| Name of Forum | POF (Plastic Optical Fiber Consortium) | | |
| Active Purpose | Pre-standardization Activities | Established Date | 1994.02 |
| Object field | <ul style="list-style-type: none"> Broad Convergence Network | | |
| Organizational Structure | Board and Planning Committee (further details are not available) | | |
| Core Activities | <ul style="list-style-type: none"> Mission <ul style="list-style-type: none"> To develop technology of plastic optical fiber and to promote its wide application. To hold conferences Work Group Characteristics and Deliverables: – | | |
| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) To hold POF Consortium meetings and seminars To attend POF2008 International meeting | | |
| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Organization members/Individual members Admission fee JPY 250'000, Annual fee JPY 100'000 (free for first year) Total number of members: 36 Names of main members and their countries <ul style="list-style-type: none"> Fuji Xerox, NTT Advance Technology, Asahi Glass, Mitsubishi Trading, etc. 11 companies. all Japanese. | | |
| Cooperative Relationships | <ul style="list-style-type: none"> Unknown | | |
| IPR policy | <ul style="list-style-type: none"> Unavailable | | |

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| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – POF Consortium Secretariat, c/o Koike Laboratory, College of Science and Engineering, Keio University, 3-14-1, Hiyoshi, Kouhoku-Ku, Yokohama, 223-8522 Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.pof-con.org/, TEL: +81-45-566-1598 |
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|--------------------------|--|------------------|---------|
| Name of Forum | PUCC (Peer-to-Peer Universal Computing Consortium) | | |
| Active Purpose | Others | Established Date | 2004.12 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <p>The PUCC is a consortium for joint research with academic institutions and industries. The organization consists of the Board of Directors, the Technical Advisory Committee (TAC) and the working groups (WGs). Their main activity is technical development and each WG starts its own theme with the approval of the Board of Directors. Basically, WGs are chartered for a period of 2 years and their outputs and significance are checked by TAC and are subject to approval by TAC. The members of TAC are appointed by the Board of Directors.</p> <pre> graph TD Auditor[Auditor] --- Board[Board] Office[Office] --- Board TAC[Technical Advisory Committee] --- Board Board --- WGs[Working Groups] WGs --- WG1[Architecture & Common Protocol WG] WGs --- WG2[Security WG] WGs --- WG3[Printing WG] WGs --- WG4[Home Appliance WG] WGs --- WG5[Streaming WG] WGs --- WG6[Sensor Device Control WG] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission 1) Perform statistical research and furnish information on peer-to-peer network system technological and market trends 2) Research and furnish information on measures for dealing with peer-to-peer network system-related environmental issues 3) Research and furnish information on measures for dealing with peer-to-peer network system-related consumer safety issues 4) Research and furnish information on copyrights and other types of intellectual property related to peer-to-peer network systems 5) Formulate and disseminate compatibility and interconnectivity standards for peer-to-peer network systems 6) Formulate regulations for securing fair competition in the development, production, and sale of peer-to-peer network systems 7) Furnish information on peer-to-peer network system exhibitions and other information for consumers | | |

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| | 8) Conduct research and hold workshops about developments of information communication technologies |
| 2008 Results | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) – May 2008: PUCC/JETRO Seminar – May 2008: PUCC Achievements Report – March 2008: Participation to NG Home-network tested – January 2008: Exhibition at CES2008 (@Las Vegas) |
| Membership and Fees | <p>The members of the Corporation shall be divided into three types: Regular Members, Supporting Members, and Special Members</p> <p>Regular Members: JPY 1'000'000 (not including consumption tax)</p> <ul style="list-style-type: none"> – Japan: Allied Resources Communications, NTT DoCoMo, Sharp, Fuji Soft, Hitachi, Willcom, NEC <p>Supporting Members: JPY 500'000 (not including consumption tax)</p> <ul style="list-style-type: none"> – Japan: Seiko Epson, Aplix, Toshiba Home Appliances, NEC TOKIN, Transvirtual, NSR, Hiro Tech – Sweden: Nippon Ericsson <p>Special Members: JPY 0</p> <ul style="list-style-type: none"> – Eight universities and one organization |
| Cooperative Relationships | Not available |
| IPR policy | Not available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – 1-5-15 Kyobashi, Tomoegawaseishi Bldg., Tokyo 104-8335 Japan – office@pucc.jp • URL and telephone number – URL: http://www.pucc.jp/PUCC/English/ToIndexEn.action <p>TEL: +81-3-3275-1071</p> |

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| Name of Forum | T-E (T-Engine) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2002.06 |
| Object field | <ul style="list-style-type: none"> • Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |

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| <p>Organizational Structure</p> | <p>1) Committees The committees are equivalent to the working groups' parent groups. Regular meetings are held on a monthly basis in principle to discuss policies for standardization, etc., authorize standards and guidelines, explain the trends of related technologies, and report discussions and work progress in the working groups</p> <p>a) T-Engine Platform Committee [TE-CO] b) Ubiquitous Committee [UB-CO]</p> <p>2) Working groups Working groups are set up as departments that do the specific work according to the policies decided at the executive committee's meetings, and meetings are basically held on a monthly basis, as needed. They share and do the actual work including preparation of draft plans for standards and guidelines, and so on http://www.t-engine.org/english/outline.html</p> |
| <p>Core Activities</p> | <ul style="list-style-type: none"> • Mission 1) To conduct research and development of, standardize, and promote T-Engine architecture proposed by Prof. Ken Sakamura, the University of Tokyo, as a development platform for real-time embedded systems, and also to conduct liaison/coordination between organizations concerned 2) To establish a ubiquitous computing environment using T-Engine 3) To conduct activities of Ubiquitous ID Center • Work Group Characteristics and Deliverables 1) T-Engine Platform Committee [TE-CO] <ul style="list-style-type: none"> – Conducts activities related to all aspects of T-Engine, such as hardware, OS, middleware and others 2) Ubiquitous Committee [UB-CO] <ul style="list-style-type: none"> – Conducts activities related to all aspects of Ubiquitous Communicators, such as hardware, OS, middleware and others – Conducts activities related to the core technology with the Ubiquitous ID Center playing a central role – Conducts activities related to network technology, infrastructure technology and server technology that support a ubiquitous society <p>http://www.t-engine.org/english/outline.html</p> |
| <p>2008 Results</p> | <ul style="list-style-type: none"> • Progressing and/or completed Technology Standards (specifications) <ul style="list-style-type: none"> – Specifications T-Engine Hardware Specification (05, June, 2008 Revised) μT-Engine Hardware Specification (05, June, 2008 Revised) μT-Kernel Specification (05.Mar., 2008 Revised) T-Kernel Standard Extension Specification (01, Dec. 2008 Revised Japanese version) <ul style="list-style-type: none"> – Press release: * May, 2008 "TRON Engineer Certification Examination" Registration Started |

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| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Board members: A members more than three shares A members: one share JPY 1'000'000/year (please pay more than one share) B members: one share JPY 100'000/year (please pay more than one share) e members: one share JPY 100'000/year (please pay more than one share) Academic members: Free/year http://www.t-engine.org/english/admission.html Total number of members: 390 organizations Names of main members and their countries <p>Board Members: Japan: Aplix, DAI Nippon Printing, DENSO, eSOL, Fujitsu, Fujitsu Microelectronics, Hitachi, Hitachi ULSI Systems, NEC Electronics, Nihon Unisys, NTT DoCoMo, Oki Electric Industry, Personal Media, Renesas Technology, SATO, Toppan Printing, Yokosuka Telecom Research Park</p> |
| Cooperative Relationships | <ul style="list-style-type: none"> Toron Project (Japan), Ubiquitous ID Center (Japan), T-Engine Application Development Centre (TEADEC) in Singapore, Korea T-Engine Center (KTEC), Committee for promoting project to support moving independently (Ministry of Land, Infrastructure, Transport and Tourism) (Japan) |
| IPR policy | <ul style="list-style-type: none"> Available |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) – c/o YRP Ubiquitous Networking Laboratory The 28th Kowa Building 2-20-1 Nishigotanda, Shinagawa Ward, Tokyo 141-0031 Japan URL and telephone number – URL: http://www.t-engine.org/index.html TEL: +81-3-5437-0572, FAX: +81-3-5437-2399 |

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|--------------------------|---|------------------|---------|
| Name of Forum | TransferJ (TransferJet Consortium) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2008.07 |
| Object field | <ul style="list-style-type: none"> Convergence Infrastructure relating mainly to Broad Convergence Network | | |
| Organizational Structure | Unknown | | |
| Core Activities | <ul style="list-style-type: none"> Mission 1) Development of the specifications of TransferJet 2) Management of Plugfesta (interoperability tests) and development of compliance tools 3) Promotion of the TransferJet concept and usage models | | |
| 2008 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) 17, July, 2008 Press release of the launch of TransferJet Consortium | | |

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| Membership and Fees | <ul style="list-style-type: none"> Annual membership fee: Promoter Members: unknown Adopter Members: annual dues: JPY 240'000 Total number of members: <ul style="list-style-type: none"> Promoter Members: 19 <p>Adopter Members: From May 2009, the consortium is accepting applications for Adopter membership</p> <ul style="list-style-type: none"> Names of main members and their countries <ul style="list-style-type: none"> Japan: Sony ("TransferJet Consortium" Administration), Canon, Hitachi, KDDI, Kenwood, Nikon, Olympus, Panasonic, Pioneer, Seiko Epson, Sony Ericsson Mobile, Toshiba, JVC Korea: Samsung Electronics USA: Eastman Kodak |
| Cooperative Relationships | <ul style="list-style-type: none"> Unknown |
| IPR policy | <ul style="list-style-type: none"> Unavailable |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) <ul style="list-style-type: none"> TransferJet Consortium c/o Sony Corporation 1-7-1 Konan Minato-ku, Tokyo, Japan URL and telephone number <ul style="list-style-type: none"> URL: http://www.transferjet.org/, TEL: |

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| Name of Forum | UbiquiNET (Ubiquitous Networking Forum) | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2002.06 |
| Object field | <ul style="list-style-type: none"> Convergence services relating mainly to u-Computing including Home networking, Intelligent Transport System and PC, etc. | | |
| Organizational Structure | <pre> graph TD GA[General Assembly] --> SC[Steering Committee] SC --> T[Technical] SC --> PC[Planning Committee] SC --> RA[RFID Application] SC --> SNC[Sensor Network Committee] T --- T_WG["-Network Architecture WG -Anywhere Network WG -Anything My-Terminal WG"] PC --- PC_WG["-Usability WG -Promotion & Awareness WG"] RA --- RA_WG["-Radio Communication WG -Application & Verification Test WG"] SNC --- SNC_WG["-Ad-hoc Network WG -Application WG -Technical Verification WG"] </pre> | | |

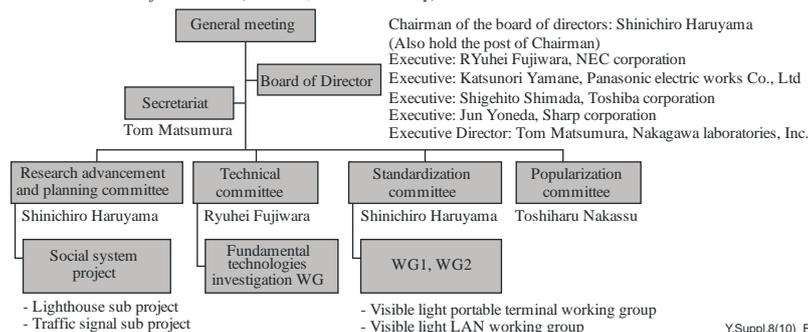
| | |
|---------------------------|---|
| Core Activities | <ul style="list-style-type: none"> • Mission – To realize in the near future the Ubiquitous Network, a network with high capability of connectivity for terminals of any kind at anytime and anywhere, the forum contributes to developing sound ICT society through the following activities: <ul style="list-style-type: none"> • R&D and standardization on the Ubiquitous Network (UN) • Investigation and study on the UN • Collection, exchange and sharing of information on the UN • Cooperation with other organizations on the UN • Promotion and awareness on the UN • Other businesses necessary to achieve objectives |
| 2008 Results | <ul style="list-style-type: none"> • Steering Committee met four times and Technical and Planning Committees met on a bimonthly basis <p>Events held</p> <ul style="list-style-type: none"> – 18/June/2008 Ubiquitous Networking Forum Symposium 2008 – 8/Feb./2008 Ubiquitous Sensor Network Symposium 2008 – 29/Nov./2007 Ubiquitous Networking Forum Symposium 2007 – 30/Nov./2007 The 3rd Korea-Japan Symposium on Ubiquitous IT System (KJUS2007) |
| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: ordinary members: JPY 200'000; individual members: JPY 0; special members: JPY 0 • Total number of members: 86 (84 Japanese) • Names of main members and their countries – Japan: OKI, KDDI, NTT, NEC, Fujitsu, Hitachi, Sony, Panasonic, Toshiba, Toyota, NHK, Kajima – Korea: Ubiquitous IT Korea Forum |
| Cooperative Relationships | <ul style="list-style-type: none"> • The following organizations have membership of special members: ARIB, NiCT, TTC and Ubiquitous IT Korea Forum |
| IPR policy | <ul style="list-style-type: none"> • Not available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – c/o The Telecommunication Technology Committee (TTC) Shibakoen Denki Building 1F, 1-1-12, Shibakoen, Minato-ku, Tokyo, 105-0011 Japan • URL and telephone number – URL: http://www.ubiquitous-forum.jp/, TEL: +81-3-5776-7795 |

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|----------------|---|------------------|---------|
| Name of Forum | VLCC (Visible Light Communication Consortium) | | |
| Active Purpose | Development of pre-standards | Established Date | 2003.11 |
| Object field | • Convergence Infrastructure relating mainly to Broad Convergence Network | | |

Organizational Structure

Organization

Honorary chairman: Masao Nakagawa (Professor, Keio university)
 Chairman: Shinichiro Haruyama (Professor, Keio university)
 Vice-Chairman: Ken Sakamura (Professor, Tokyo university)
 Vice-Chairman: Mitsuji Matsumoto (Professor, Waseda university)



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http://www.vlcc.net/modules/pico6/index.php?content_id=1

Core Activities

• Mission

Exploring the potential of visible light communications, participate and contribute to the development of the industry, exchanging Information, and developing the technology. Introducing to countries around the world this highly original technology from Japan that is the key to next-generation, user/machine-friendly wireless communications

• Work Group Characteristics and Deliverables

– Research Advancement and Planning Committee

The Research Advancement and Planning Committee perform activities such as a plan about the organization administration, duties about the budget management and the intellectual property, to administer VLCC efficiently and smoothly. In addition, it performs a project team and organization of the working group and the total administration adjustment.

– Technical Committee

The Technical Committee performs a total plan for technology development of the visible light communication system and organization and administration adjustment of the working group in the affiliation.

– Standardization Committee

The Standardization Committee performs the standardization in the ubiquitous visible light indication, illumination light, the ITS visible light communication, etc. Furthermore, it aims at the international standardization to recognize visible light communication system globally.

– Popularization Committee

The Popularization Committee tries to spread promotion through PR activity and enlightenment, for which visible light communication system and concerned products are standardized in consortium, and to be able to create new industry. In addition, it performs the needs for investigation and the marketing research for that purpose.

http://www.vlcc.net/modules/pico6/index.php?content_id=1

2008 Results

• Progressing and/or completed Technology Standards (specifications)

– Press release:

- * 24/10/2008 – announcement concerning beginning of "Visible Light Communication" standardization activities in cooperation with Infrared Data Association (IrDA) and Infrared Communication Systems Association (ICSA)
- * 22/10/2008 – demonstration in IrDA Asia Technology Seminar/Expo08
- * 12/05/2008 – holding IEEE 802.15 VLC-SG
- * 13/05/2008 – Wireless technology and park 2008

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| Membership and Fees | <ul style="list-style-type: none"> • Annual membership fee: <ul style="list-style-type: none"> – General member JPY 1'000'000/year – Venture member JPY 300'000/year • Total number of members: 26 organizations • Names of main members and their countries <ul style="list-style-type: none"> – Japan: The Tokyo Electric Power, NEC, KDDI R&D Laboratories, Panasonic Electric Works, The Nippon Signal, Toshiba, Japan Rural Information System Association, Information System Research Institute, TOYODA GOSEI, Sony, NTT DoCoMo, CASIO Computer, Nakagawa Laboratories, Outstanding Technology, Fuji Television Network, Sumitomo Mitsui Construction, MoMo Alliance, TAMURA, NITTO DENKO, Sharp, Japan Coast Guard – Coast Guard Research Center, COMTECH 2000, RISE, Japan Traffic Management Technology Association, Toyota Central R&D Labs., NHK (Japan Broadcasting Corporation) – Korea: Samsung Electronics |
| Cooperative Relationships | <ul style="list-style-type: none"> • IrDA (Infrared Data Association, USA) • ICSA (Infrared Communication Systems Association, USA) |
| IPR policy | <ul style="list-style-type: none"> • Available |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Department of Engineering Keio University Shin-Kawasaki town campus Shin-Kawasaki 7-1, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0032, Japan • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.vlcc.net/ – TEL: +81-44-580-1562 FAX: +81 44 580 1432 |

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|--------------------------|---|------------------|---------|
| Name of Forum | ChangFeng Open Standards Platform Software Alliance (CFA) | | |
| Active Purpose | 1) Development of "de facto" standards 2) Others: Technology/Standards Promotion | Established Date | 2005.04 |
| Object field | <ul style="list-style-type: none"> • Information Technology relating mainly to software | | |
| Organizational Structure | <pre> graph TD AC[Alliance Council] --- SC[Supporting Committee] AS[Alliance Secretariat] --- AC SC --- SCO[Supporting Committee Office] AC --- SWC[Standards Working Committee] AC --- MC[Marketing Committee] AC --- TC[Technical Committee] </pre> | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Preparation of standards – Market promotion – Development of technology • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – Standards Working Committee and Technical Committee: develop the standards and technology of Open Standards Platform Software. | | |

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| 2007 Results | <ul style="list-style-type: none"> Progressing and/or completed Technology Standards (specifications) <p>In Oct., 2007, CFA held 2007 Beijing International Congress of Open Standards</p> |
| Membership and Fees | <ul style="list-style-type: none"> CFA welcomes domestic and foreign enterprises and institutions who have been involved with research, development, manufacturing or service of platform software industry-related technology. To join the alliance. Annual dues: RMB 100'000 Total number of members: 61 Names of main members and their countries <p>– Digital China, Taiji Computer, Kingsoft, Click Tech, Red Flag Software Co., Ltd., etc., China</p> |
| Cooperative Relationships | <ul style="list-style-type: none"> Cooperate with Organization for the Advancement of Structured Information Standards (OASIS, USA) |
| IPR policy | <ul style="list-style-type: none"> Unavailable |
| Contact Point | <ul style="list-style-type: none"> Office location (city/country) USA URL and telephone number URL: http://www.acm.org/, TEL: +1 212 869-7440 |

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|--------------------------|---|------------------|------|
| Name of Forum | Association for Computing Machinery | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1947 |
| Object field | Educational and scientific computing society, delivers resources that advance computing as a science and as a profession | | |
| Organizational Structure | Not available | | |
| Core Activities | <ul style="list-style-type: none"> Publication Digital Library Education Online books & courses Special interest groups | | |
| 2007 Results | <ul style="list-style-type: none"> ACM International Collegiate Programming contest, 2007 The First International Workshop on Security for Mobile Wireless Communications, Bangalore, India | | |

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| Membership and Fees | <ul style="list-style-type: none"> • More than 75'000 memberships, including professionals and students • Professional Membership: USD 99 • Student Transition (Professional) Membership: USD 49 • Student Transition Subscription to ACM Digital Library: USD 50 • Student Membership (includes online access to CACM): USD 19 • Student Membership PLUS Digital Library: USD 42 • Student Membership PLUS Print CACM Magazine: USD 42 • Student Membership PLUS Digital Library PLUS Print CACM Magazine: USD 62 • Retired Members: USD 74 • Personal Financial Hardship: USD 50 • Joint Society Membership (member of IEEE-CS): USD 94 • Subscription to ACM Digital Library: USD 99 • Joint Society Membership (member of the following societies): USD 79 |
| Cooperative Relationships | Not available |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – USA • URL and telephone number <ul style="list-style-type: none"> – URL: http://www.acm.org/, TEL: +1 212 869-7440 |

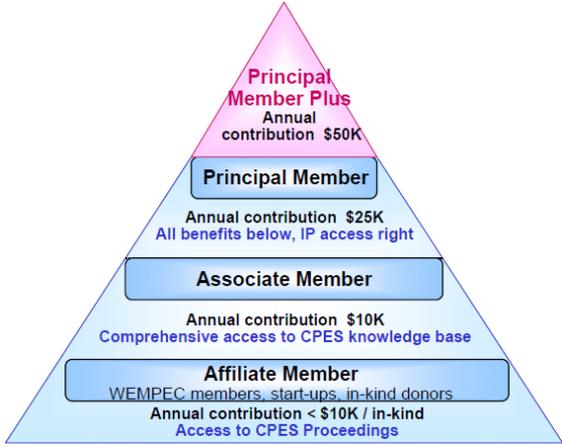
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|--------------------------|---|------------------|---------|
| Name of Forum | CDMA Certification Forum | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1995.05 |
| Object field | A partnership between CDMA operators and CDMA device vendors to establish and maintain a core global device certification process that helps improve quality through consistent interoperability, conformance and performance testing across the globe. | | |
| Organizational Structure | The CDMA Certification Forum is a Non-Profit Mutual Benefit – 501(c)(6) Corporation. The organization currently consists of one standing committee, 2 working groups and 3 sub-working groups. | | |
| Core Activities | Create and maintain a partnership between CDMA operators and CDMA device vendors to establish and maintain a core global device certification process that helps improve quality through consistent interoperability, conformance and performance testing | | |
| 2007 Results | CDMA Certification Forum (CCF) to showcase compelling new certification process at CTIA wireless 2007 show full story. 2007.3 Faster Time to Market at Lower Cost with Increased Test Coverage Highlight CCF Test Platform Results. 2007.3 | | |

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| Membership and Fees | 50 memberships, including Aeroflex, Alcatel-Lucent, Anritsu, AnyDATA.NET Inc, Huawei, Spirent, etc. | | | |
| | Annual Member Type | Membership Classification | Annual CDMA Revenue Requirement - with gross CDMA (only) annual revenue of: | Membership Fee in USD (\$) Revenue |
| | Large Vendor Member | Statutory Vendor (Voting) | >= US\$500,000,000.00 | 41,000.00 |
| | Small Vendor Member | Statutory Vendor (Voting) | < US\$500,000,000.00 | 10,000.00 |
| | Large Operator Member | Statutory Operator (Voting) | >= US\$500,000,000.00 | 29,000.00 |
| | Small Operator Member | Statutory Operator (Voting) | < US\$500,000,000.00 | 10,000.00 |
| | Very Small Operator Member | Statutory Operator (Voting) | < US\$100,000,000.00 | 5,000.00 |
| Observer | Non-Statutory (Non-Voting) | (Observer has no annual CDMA revenue requirement) | 5,000.00 | |
| Cooperative Relationships | Cooperate with CDMA operators and CDMA device vendors. | | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | | |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number URL: http://www.globalccf.org <ul style="list-style-type: none"> • Corporate Thom Erickson – President and CEO terickson@globalccf.org | | | |

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| Name of Forum | Content Management License Administrator (CMLA) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004.02 |
| Object field | Open Mobile Alliance (OMA) Digital Rights Management (DRM) version 2.0 (and, as updated) | | |
| Organizational Structure | – | | |
| Core Activities | <ol style="list-style-type: none"> 1) CMLA addresses business security concerns of client vendors, service providers and content owners necessary to enable the rapid delivery of high-quality digital content to CMLA licensed products and services that deploy OMA DRM 2.0 or OMA DRM 2.0 and DVB H mobile broadcast. 2) CMLA provides commercial licenses to companies wishing to use the CMLA trust model and implement the CMLA Technical Specification. 3) CMLA agreements include compliance and robustness rules for CMLA licensed products and services. 4) CMLA provides trust model services (key generation and certificate signing services) for licensees (client vendors, service providers and developers) implementing OMA or OMA and DVB-H in CMLA licensed products and services. | | |

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| 2007 Results | December 19, 2007 – To support Service Provider's use of the Production online system as they complete their service validation trials using this system, CMLA suspends the obligation of Service Providers to pay fees on the first 2000 Active Subscribers using the Production online system and/or for a period of six months from the time a first Active Subscriber makes a request of the Production online system, whichever condition comes first. January 25, 2007 – CMLA provides the enclosed description (Device Configuration) as clarification of the acceptability of CMLA devices having both Production and Development credentials on the same device. |
| Membership and Fees | Intel, Nokia, Panasonic (Matsushita Electric Industrial Co.) and Samsung, etc. |
| Cooperative Relationships | Cooperate with Client Manufacturers, Content Owners, Service Providers and Media Broadcasters. |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • URL URL: www.cm-la.com <ul style="list-style-type: none"> • For those interested in a regional contact, please select one of the following: <ul style="list-style-type: none"> * Americas – Mr. Gary Mittelstaedt, Intel * Korea – Mr. Jinha Jun, Samsung * China – Mr. Juha Lipiainen, Nokia * Europe – Mr. Matti Kangas, Nokia * SE Asia – Mr. Jinha Jun, Samsung * Japan – Mr. Hide Hosokawa, Panasonic |

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|--------------------------|--|------------------|---------|
| Name of Forum | CPES – Center for Power Electronics System | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1998.08 |
| Object field | Power electronics technologies | | |
| Organizational Structure | <pre> graph TD SC[Stakeholders Council] --- ED[VT Engineering Dean R. Benson] IAB[Industry Advisory Board] --- ED GB[Governing Board] --- ED ED --- CD[Center Director F.C. Lee] CD --- CC[Center Co-Director D. Boroyevich] CC --- AD[Administrative Director E. Tranter] CC --- CDIR[Campus Directors: T. Lipo - UW, T. Chow - RPI, A. Homalfar - NC A&T, M. Velez - UPRM] CC --- EOD[Education and Outreach Director E. Tranter] CC --- IL[Industry Liaison T. Shaw] CC --- FM[Financial Manager L. Long] CC --- TD[Technical Director F. Wang] CC --- SLC[Student Leadership Council A. Ball] CDIR --- IMS[Integrated Motor Drive Systems T. M. Jahns] CDIR --- IPCS[Integrated Power Conversion Systems D. Boroyevich] EOD --- PEIT[Power Electronics Integration Technology K. Ngo] IL --- SPIDC[Semiconductor Power Device and Integrated Circuits T. P. Chow] </pre> | | |

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|---------------------------|--|
| Core Activities | <ol style="list-style-type: none"> 1) Research 2) Industry Collaboration 3) Education & Outreach 4) Publications |
| 2007 Results | <ol style="list-style-type: none"> 1) New SBIR-STTR Supplemental Award enables research collaboration on High-Temperature Packaging 2) CPES Research on High-Frequency, High-Voltage, High-Power-Density Capacitor Charger for Pulsed-Power Applications 3) CPES welcomes new Principal Member – HR Textron |
| Membership and Fees |  |
| Cooperative Relationships | Cooperate with NASA, TACOM, NSF, AIST, CIT, AFOSR, etc. |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number – URL: http://www.cpes.vt.edu/ <p>Virginia Tech, 655 Whittemore Hall (0179), Blacksburg, VA 24061 University of Wisconsin-Madison, 1415 Engineering Drive #2559D, Madison, WI 53706-1691</p> |

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|--------------------------|---|------------------|---|
| Name of Forum | Digital Content Protection, LLC | | |
| Active Purpose | Development of "de facto" standards | Established Date | – |
| Object field | Licenses technologies for protecting premium commercial entertainment content | | |
| Organizational Structure | – | | |
| Core Activities | Digital Content Protection LLC (DCP) is an organization that licenses technologies for protecting premium commercial entertainment content. High-bandwidth Digital Content Protection (HDCP) is a specification developed by Intel Corporation to protect digital entertainment content across the DVI/HDMI interface. The HDCP specification provides a robust, cost-effective and transparent method for transmitting and receiving digital entertainment content to DVI/HDMI-compliant digital displays. | | |
| 2007 Results | DCP, LLC Approves 882E As Authorized Test Tool. | | |
| Membership and Fees | AMD, Analog Devices, Intel, Silicon Image, HP, Microsoft, etc. | | |

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| Cooperative Relationships | HDCP has broad industry support from the major players in the digital entertainment value chain, including major motion picture studios such as The Walt Disney Company, Warner Bros., and Sony Pictures Entertainment. Nearly 400 leading companies license the technology. |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number URL: Digital Content Protection, LLC Email: info@digital-cp.com Mail: Digital Content Protection, LLC 3855 SW 153rd Drive Beaverton, OR 97006 |

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|--------------------------|--|------------------|---------|
| Name of Forum | Digital Power Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2004.09 |
| Object field | Embedded power conversion | | |
| Organizational Structure | - | | |
| Core Activities | <ol style="list-style-type: none"> 1) Optimizing Energy Efficiency 2) Planar Magnetics 3) Thermal Management 4) Discrete Semiconductor Devices 5) Power Management 6) Board-level Power Architectures 7) System-level Power Architectures 8) Design Tools and Techniques 9) Software Design and Implementation 10) Everything relevant to embedded power system design | | |
| 2007 Results | Digital Power Forum 2007: This focused, three-day international conference will serve an audience of decision makers who are interested in learning about and contributing to the latest practical advancements related to the use of digital power control techniques in electronic systems and in power converters, and digital energy management and power management in enterprise-level installations and related digital equipment. | | |
| Membership and Fees | <ol style="list-style-type: none"> 1) Power conversion company executives and engineers 2) Electronic equipment design professionals and engineers 3) Component suppliers 4) Applications engineers 5) Power system specifiers 6) Commodity managers for electronic system makers 8) Procurement engineers 9) Research and development professionals 10) Industry analysts | | |

| | |
|---------------------------|--|
| Cooperative Relationships | Cooperate with Intel, Ericsson, IBM, Infineon, Emerson, etc. |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number URL: http://digitalpower.darnell.com/ , Tel: +1 951-279-6684 |

| | | | |
|---------------------------|--|------------------|------|
| Name of Forum | DLNA (Digital Living Network Alliance) | | |
| Active Purpose | Development of "de facto" standards | Established Date | 2003 |
| Object field | Digital living | | |
| Organizational Structure | <pre> graph TD Board[Board of Directors] --- Operations[Operations] Board --- President["President Vice President Treasurer Secretary Executive Director"] Board --- Tech[Technical Committee] Board --- Ecosystem[Ecosystem Committee] Board --- Compliance[Compliance and Test Committee] Board --- Marketing[Marketing Committee] Tech --- Content["Content Protection Subcommittee"] Tech --- Guideline["Guideline Expansion Subcommittee"] Tech --- Guidelines["Guidelines Maintenance Subcommittee"] Ecosystem --- Project["Project Proposal Subcommittee"] </pre> | | |
| Core Activities | <ol style="list-style-type: none"> 1) Find and play movies 2) Send and display photos 3) Find, send and play music 4) Upload photos 5) Download music 6) Send and print photos | | |
| 2007 Results | <ol style="list-style-type: none"> 1) DLNA Launches Expanded Certification Program for Home Networking Products, 2007 2) DLNA Interoperability Guidelines and Media Formats Adopted as IEC International Standards, 2007 | | |
| Membership and Fees | More than 250 member companies, including access, vox, Ericsson, Cisco, HP, Huawei, Intel, etc. | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number URL: http://www.dlna.org , Tel: +1 503.619.0422 <ul style="list-style-type: none"> • DLNA Administration • c/o VTM Attn: Membership Services • 3855 SW 153rd Drive Beaverton, Oregon 97006 USA | | |

| Name of Forum | E-TASC (Electronics – Tool for Accountable Supply Chains) | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|------------------|--|-----------------------|------------|---------|----------|----------------|----------|-----------------|----------|-----------------|----------|----------------|---------|-----------------|---------|-----------------|---------|---------|---------|
| Active Purpose | Technology/Standards Promotion | Established Date | | | | | | | | | | | | | | | | | | | |
| Object field | Web-based information management tool | | | | | | | | | | | | | | | | | | | | |
| Organizational Structure | – | | | | | | | | | | | | | | | | | | | | |
| Core Activities | E-TASC is designed around a supplier engagement process that aims to establish a uniform approach to compliance which focuses on high standards, collaboration and fostering a culture of social responsibility in the global electronics supply chain. | | | | | | | | | | | | | | | | | | | | |
| 2007 Results | E-TASC Users forum, 2007 | | | | | | | | | | | | | | | | | | | | |
| Membership and Fees | <p>Current subscribers to E-TASC include the following companies: AcBel Electronic (Dong guan) Co., Ltd, Allrizon-Tongguang Communications Equipment (Shanghai) Co., Ltd, ECI Telecom Ltd, Elitegroup Computer Systems co., Ltd, Hewlett Packard, Hunghui Paper Products, ACTORY, Huzhou Careful Magnetism Co., Ltd, Samsung Techwin Co, Seagate Technologies, etc.</p> <p>1) Partial Subscribers Annual fee based on the number of facilities registered. Fee varies by number of facilities. Annual fee per facility: USD 470</p> <p>2) Full Subscribers Annual fee based on the annual revenues of the organization. Unlimited number of facilities included in the fee. Annual revenue-based fee table:</p> <table border="1"> <thead> <tr> <th>Annual revenue (\$US)</th> <th>Fee (\$US)</th> </tr> </thead> <tbody> <tr> <td>>\$10bn</td> <td>\$30,000</td> </tr> <tr> <td>\$5bn - \$10bn</td> <td>\$20,000</td> </tr> <tr> <td>\$2.5bn - \$5bn</td> <td>\$15,000</td> </tr> <tr> <td>\$1bn - \$2.5bn</td> <td>\$10,000</td> </tr> <tr> <td>\$500m - \$1bn</td> <td>\$7,000</td> </tr> <tr> <td>\$250m - \$500m</td> <td>\$4,000</td> </tr> <tr> <td>\$100m - \$250m</td> <td>\$2,000</td> </tr> <tr> <td><\$100m</td> <td>\$1,000</td> </tr> </tbody> </table> | | | Annual revenue (\$US) | Fee (\$US) | >\$10bn | \$30,000 | \$5bn - \$10bn | \$20,000 | \$2.5bn - \$5bn | \$15,000 | \$1bn - \$2.5bn | \$10,000 | \$500m - \$1bn | \$7,000 | \$250m - \$500m | \$4,000 | \$100m - \$250m | \$2,000 | <\$100m | \$1,000 |
| Annual revenue (\$US) | Fee (\$US) | | | | | | | | | | | | | | | | | | | | |
| >\$10bn | \$30,000 | | | | | | | | | | | | | | | | | | | | |
| \$5bn - \$10bn | \$20,000 | | | | | | | | | | | | | | | | | | | | |
| \$2.5bn - \$5bn | \$15,000 | | | | | | | | | | | | | | | | | | | | |
| \$1bn - \$2.5bn | \$10,000 | | | | | | | | | | | | | | | | | | | | |
| \$500m - \$1bn | \$7,000 | | | | | | | | | | | | | | | | | | | | |
| \$250m - \$500m | \$4,000 | | | | | | | | | | | | | | | | | | | | |
| \$100m - \$250m | \$2,000 | | | | | | | | | | | | | | | | | | | | |
| <\$100m | \$1,000 | | | | | | | | | | | | | | | | | | | | |
| Cooperative Relationships | Cooperate with GeSI, EICC, etc. | | | | | | | | | | | | | | | | | | | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | | | | | | | | | | | | | | | | | | | |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number <p>URL: www.e-tasc.com, Tel: +44 (0)1235 838161 Fax: +44 (0)1235 838096</p> <ul style="list-style-type: none"> • Address: Achilles 30 Park Gate Milton Park Abingdon Oxon OX14 4SH UK | | | | | | | | | | | | | | | | | | | | |

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|---------------------------|---|------------------|------|
| Name of Forum | Femtocell Forum | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 2007 |
| Object field | Femtocells are low-power wireless access points that operate in licensed spectrum to connect standard mobile devices to a mobile operator's network using residential DSL or cable broadband connections. | | |
| Organizational Structure | <p>The Femto Forum is directed by an Executive Board which comprises the Chair and the Executive Board Members. The Chair is elected for one year and can be the representative of a Member or an independent non-Member and is elected by the Members.</p> <p>Our Executive Board consists of a minimum of four Executive Board Members and a maximum of 12 Executive Board Members plus the Chair. Up to three Board positions are reserved for large OEM/System Integrators from the mobile industry and up to three for licensed holders of spectrum.</p> <p>We have a secretariat that looks after enquiries, membership and the administration of the organization.</p> | | |
| Core Activities | <p>1) Standardization, regulation and interoperability</p> <p>2) Marketing and promotion</p> | | |
| 2007 Results | As a result of our major membership announcement at the beginning of the month, we have received some extremely high profile membership applications – details a little later – plus a flood of general enquires, including an additional 200 plus newsletter sign-ups over the past couple of days. 2007/11 | | |
| Membership and Fees | Current membership: Airvana, Airwalk, Alcatel-Lucent, Alpha, Aricent, Askey, BT, China Mobile, Ericsson, Juni, Nec, Netgear, Safenet, Softbank, Toshiba, Zte, etc. | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • URL and telephone number <p>URL: http://www.femtoforum.org/, Tel: +44 (0)8456445823 Fax: +44 (0)8456445824</p> <ul style="list-style-type: none"> • PO Box 23 GL11 5WA UK | | |

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|--------------------------|--|------------------|--|
| Name of Forum | Fixed-Mobile Convergence Alliance | | |
| Active Purpose | Technology/Standards Promotion | Established Date | |
| Object field | The Fixed-Mobile Convergence Alliance (FMCA) is a global, non-profit organization focused on providing today's and tomorrow's Convergence customers with high-quality, seamless and easy to use products and services. | | |
| Organizational Structure | – | | |
| Core Activities | Representing a global base of over 700 million customers who stand to benefit from the development of Convergence products and services, its objective is to ensure, through collaboration with industry, that devices, access points, applications and underlying networks interoperate to deliver the best user experience possible. | | |

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|---------------------------|--|
| 2007 Results | Developing Converged Services, 2007.11 4th Annual Beyond FMC, 2007.9 |
| Membership and Fees | Current membership: TDC Mobil, Kpn, BT, true, maxis, TM, NEC, etc. |
| Cooperative Relationships | – |
| IPR policy | • Unavailable |
| Contact Point | • URL URL: www.thefmca.com • Email: andrew.haworth@bt.com, emma.dixon@thefmca.com |

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|--------------------------|---|------------------|------|
| Name of Forum | GeSI | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 2001 |
| Object field | GeSI fosters global and open cooperation, informs the public of its members' voluntary actions to improve their sustainability performance, and promotes technologies that foster sustainable development. | | |
| Organizational Structure | – | | |
| Core Activities | <ol style="list-style-type: none"> 1) Create an open and global forum for the improvement and promotion of products, services and access to ICT for the benefit of human development and sustainable development 2) Stimulate international and multi-stakeholder cooperation for the ICT sector 3) Encourage continual improvement in sustainability management and share best practice 4) Encourage companies in developing countries to join and share benefits of GeSI 5) Promote and support partner regional initiatives and liaise with other international activities 6) Promote and support greater awareness, accountability and transparency. <p>We are currently centering our activities on the following thematic areas:</p> <ol style="list-style-type: none"> 1) Supply Chain 2) Climate Change 3) eWaste 4) Members Area | | |
| 2007 Results | Climate Action – Getting greener, getting slimmer, and going digital. | | |
| Membership and Fees | <p>More and more companies from the ICT-industry become GeSI members. Current members of GeSI are: Alcatel-Lucent, Belgacom, Bell Canada, British Telecommunications plc, Cisco Systems, vDeutsche Telekom AG, Ericsson, European Telecommunication Network Operators Association (ETNO), France Telecom, Fujitsu Siemens, Hewlett-Packard, Huawei, KPN, Motorola, Microsoft, Nokia, Nokia Siemens Networks, Nortel, Research In Motion (RIM), Sun Microsystems, Telecom Italia, Telefónica S.A., Verizon, Vodafone plc, etc.</p> <p>Full membership Annual fee: USD 20'000 Regional membership Annual fee: USD 20'000 Associate membership Annual fee: USD 1'000</p> | | |

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|---------------------------|---|
| Cooperative Relationships | Cooperate with Carbon Disclosure Project, World Wildlife Fund (WWF), GSMA, EICC, WBCSD, etc. |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) <ul style="list-style-type: none"> – Brussels/Belgium • URL and telephone number URL: www.gesi.org TEL: +32 2 282 84 42 |

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|---------------------------|--|------------------|------|
| Name of Forum | Global Certification Forum | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1999 |
| Object field | A unique global service assuring mobile wireless terminal interoperability for operators and vendors | | |
| Organizational Structure | – | | |
| Core Activities | Since its inception in 1999, the GCF membership has been responsible for creating an independent certification programme to help ensure the global interoperability between mobile devices and networks. Today GCF keeps pace with emerging technologies whilst at the same time reviewing the certification requirements for the more established devices features. | | |
| 2007 Results | GCF Field Trials Workshop, 2007 | | |
| Membership and Fees | The current membership includes around 150 network operators worldwide, more than 40 leading terminal manufacturers and over 65 test equipment manufacturers, test laboratories and other organizations from mainly a test environment. | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • URL and Email URL: http://www.globalcertificationforum.org/ Email: gcf@globalcertificationforum.org | | |

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|--------------------------|--|------------------|------|
| Name of Forum | HDMI Licensing, LLC | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 2003 |
| Object field | The HDMI interface is the uncompressed, all-digital, global connectivity standard that delivers true HD quality for consumer electronics and PC products via a single cable. | | |
| Organizational Structure | – | | |
| Core Activities | <ol style="list-style-type: none"> 1) Knowledge Base 2) Training 3) Publications 4) Presentations | | |

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|---------------------------|--|
| 2007 Results | California Micro Devices Named Finalist of Prestigious 2007 EE Times ACE Award |
| Membership and Fees | More than 800 manufacturers have adopted the HDMI standard |
| Cooperative Relationships | – |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • URL and Email URL: www.hdmi.org • Location HDMI Licensing, LLC 1060 E. Arques Avenue, Suite 100 Sunnyvale, CA 94085 USA |

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|---------------------------|--|------------------|------|
| Name of Forum | IBIS Open Forum | | |
| Active Purpose | Development of "de facto" standards | Established Date | 1993 |
| Object field | IBIS is a standard for electronic behavioural specifications of integrated circuit input/output analogy characteristics. | | |
| Organizational Structure | <p>Group Officers: Chair: Michael Mirmak, Intel Corporation, michael.mirmak@intel.com</p> <p>Vice-Chair: Syed Huq, Cisco Systems, shuq@cisco.com</p> <p>Secretary: Randy Wolff, Micron Technology, rrwolff@micron.com</p> <p>Librarian: Lance Wang, IO Methodology Inc., lwang@iometh.com</p> <p>Webmaster: Syed Huq, Cisco Systems, shuq@cisco.com</p> <p>Postmaster: Bob Ross, Teraspeed Consulting Group, bob@teraspeed.com</p> | | |
| Core Activities | This template is proposed in order to enable an industry standard method to electronically transport IBIS modeling data between silicon vendors, simulation software vendors, and end customers. The intention of this template is to specify a consistent format that can be parsed by software, allowing simulation vendors to derive models compatible with their own products. | | |
| 2007 Results | Asian IBIS Summit, Beijing, China DesignCon 2007, Santa Clara, California | | |
| Membership and Fees | Paid member companies may cast votes regarding specification changes and approvals, financial matters, election of officers and other organizational issues involving the Open Forum. Dues are USD 900 per year. Membership dues go directly to maintain the organization's web site, pay for specification balloting, legal and bookkeeping services, etc., as provided by our parent organization, the GEIA. | | |
| Cooperative Relationships | – | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • URL and Email URL: http://www.eigroup.org/ibis/ TEL: (703) 907-7554 | | |

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|---------------------------|--|------------------|------|
| Name of Forum | International Safe Transit Association International | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1991 |
| Object field | The leading developer of global packaged-product test procedures. | | |
| Organizational Structure | – | | |
| Core Activities | Helping to ensure your tested packaged-product will perform as expected. | | |
| 2007 Results | Express Shipping Drop/Impact Study in Central & Eastern Europe (2007) Random Vibration Worksheet (2007) | | |
| Membership and Fees | <p>1) Membership dues Primary Location The location of the Delegate or principle contact. Membership Dues without a Laboratory (USD 525)</p> <p>2) Company dues are prorated by each quarter of the calendar year. Apr-Jun USD 394; Jul-Sep USD 263; Oct-Dec USD 657 (includes the following year)</p> <p>3) Membership Dues with a Laboratory (USD 750) Apr-Jun USD 563; Jul-Sep USD 375; Oct-Dec USD 938 (includes the following year)</p> | | |
| Cooperative Relationships | – | | |
| IPR policy | • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • URL and Tel URL: http://www.ista.org/ TEL: (+1) 517.333.3437 • Address ISTA Headquarters 1400 Abbot Road, Suite 160 East Lansing, Michigan 48823-1900 USA | | |

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|--------------------------|---|------------------|------|
| Name of Forum | IP/MPLS Forum | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 2007 |
| Object field | Unify service providers, suppliers and end users on a common vision of IP-MPLS-based solutions. | | |
| Organizational Structure | – | | |

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|---------------------------|---|
| Core Activities | <p>The Forum's mission is to drive the global success of IP-MPLS-based technology, networks, and services while focusing on application and deployment solutions.</p> <ol style="list-style-type: none"> 1) Service Provider Council (SPC) <ul style="list-style-type: none"> • Carriers only-open discussion for carrier requirements without vendors in the room 2) Market Awareness and Education <ul style="list-style-type: none"> • Half and full day tutorials • Conferences and seminars 3) Conformance and Interoperability Testing <ul style="list-style-type: none"> • Conformance test plans • Interoperability test plans |
| 2007 Results | Inter-carrier connectivity solutions, Multicast VPN services, and Multi-vendor service provisioning and fault management (Paris, February 2007) |
| Membership and Fees | Current membership: Alcatel-Lucent, AT&T, Cisco, Ciena, Ericsson, Juniper, etc. |
| Cooperative Relationships | <ol style="list-style-type: none"> 1) Formal liaison relationship 2) Strong common participation between IETF and IP/MPLS Forum 3) Specifications based on IETF RFCs, no duplication of work 4) A4 and A5 liaison status with ITU-T 5) Communicating with ITU-T Study Groups 11, 13, 15, and 17 regarding such topics as T-MPLS, NGN, MPLS OAM, MPLS/PNNI signalling interworking, VoMPLS carriage and signalling |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • URL and Email <p>URL: http://www.ipmplsforum.org/ Email: amalis@ipmplsforum.org</p> <ul style="list-style-type: none"> • Address <p>Andrew Malis Verizon Communications 117 West Street Waltham, MA 02451 USA</p> |

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|--------------------------|--|------------------|------|
| Name of Forum | IWPC | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1998 |
| Object field | Packaging and interconnecting technologies | | |
| Organizational Structure | – | | |
| Core Activities | The Consortium is a pro-active organization of wireless and RF product OEM's and their suppliers. Our mission is to facilitate communication up and down the supply chain, to reduce costs, improve performance and decrease time to market. | | |
| 2007 Results | <p>Demonstration and Introduction of "Version 1.0" for prediction of handset battery life.</p> <p>Power Amplifier Devices for WiMAX, LTE and UMB Base stations.</p> <p>WiMAX, LTE and UMB Infrastructure –</p> <p>RF Technology Challenges and Comparisons</p> | | |

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|---------------------------|---|
| Membership and Fees | Current membership: AT&T, BT, China Mobile, Orange, France Telecom, Metropcs, Transport Canada, NIST, etc. |
| Cooperative Relationships | – |
| IPR policy | • Unavailable |
| Contact Point | • URL, Email and Tel URL: http://www.iwpc.org Email: donbrown@iwpc.org TEL: 215-293-9000 |

| | | | |
|---------------------------|--|------------------|------|
| Name of Forum | JEDEC Solid State Technology Association (Joint Electron Device Engineering Council) | | |
| Active Purpose | Technology/Standards Promotion | Established Date | 1958 |
| Object field | Solid-state industry | | |
| Organizational Structure | – | | |
| Core Activities | <p>JEDEC committees hold frequent meetings throughout the year in domestic and international venues. All standardization work takes place at these meetings, and companies must be members to participate.</p> <p>JDEC members vote on proposals electronically (via ballots) on the JEDEC Voting Machine prior to committee meetings. Voting results are then reported at the meetings and modifications to the proposals are made in response to comments that have been submitted by voters.</p> <p>After a ballot passes and comments are resolved and incorporated into the original proposal, it is submitted to the JEDEC Board of Directors for final approval before publication.</p> | | |
| 2007 Results | <ul style="list-style-type: none"> • JC-11 Committee on Mechanical Package Outlines Standardization May 22, 2007 • JC-13.5 Subcommittee for Hybrid, RF/Microwave, and MCM Technologies May 23, 2007 | | |
| Membership and Fees | <ul style="list-style-type: none"> • One (1) Committee & its Subcommittee(s) USD 2'000 (first year only) • Annual dues: RMB 100'000; • Two (2) Committees & its Subcommittee(s) USD 6'500 • Three (3) Committees & its Subcommittee(s) USD 9'000 • Four (4) or more Committees & its Subcommittee(s) USD 1'000 | | |
| Cooperative Relationships | Microsoft Corporation, Google Inc., etc. | | |
| IPR policy | • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – VA Arlington/USA • URL and telephone number – URL: http://www.jedec.org/, TEL: (703) 907-7534 | | |

| Name of Forum | LiMo Foundation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------------|---------|----------------------------|-------------|------------------|-------------------------------------|-----|-----|--|-----|----|---|-----|----|--|-----|----|---|-----|-----|---|-----|-----|----------------------------------|-----|-----|--|-----|----|--|-----|-----|--|-----|-----|---|-----|-----|-----|--------------------|-------------------|
| Active Purpose | Development of "de facto" standards | Established Date | 2007.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Object field | LiMo Foundation is an industry consortium dedicated to creating the first truly open, hardware-independent, Linux-based operating system for mobile devices. Backing from major industry leaders puts LiMo at the Heart of the Mobile Industry and makes LiMo the unifying force in Mobile Linux | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Organizational Structure | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Core Activities | <ul style="list-style-type: none"> • Mission <ul style="list-style-type: none"> – Create an open, Linux-based software platform for use by the whole global industry to produce mobile devices through a balanced and transparent contribution process enabling a rich ecosystem of differentiated products, applications, and services from device manufacturers, operators, ISVs and integrators • Work Group Characteristics and Deliverables <ul style="list-style-type: none"> – LiMo Foundation is well on the path to deliver a commercial-grade mobile Linux operating system for its members, along with APIs and SDKs that can be accessed by members and non-members alike | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2007 Results | 5 November 2007 LiMo Foundation Welcomes Google's Mobile Initiative 25 January 2007 Mobile Leaders Around the World Launch LiMo Foundation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Membership and Fees | <p>Download the application kit from the following link, then it will walk you through the application process http://www.limofoundation.org/images/stories/pdf/Membership_Pack.zip</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Membership Activity</th> <th style="text-align: center;">Core</th> <th style="text-align: center;">Associate</th> </tr> </thead> <tbody> <tr> <td>Open to any interested organization</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Eligible for election to the Board of Directors (Board members pay higher fee)</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Eligible to participate in all Foundation Councils (per Bylaws)</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Eligible for election to lead any one Foundation Council</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Eligible to participate in Requirements Council</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Eligible to participate in Working Groups</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Eligible to lead a Working Group</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Right to commercially distribute Foundation Code</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Right to access and modify Foundation Code</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Eligible to vote in accordance to Bylaws</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Can send up to 3 participants to Annual Meeting</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td>Fee</td> <td style="text-align: center;">USD 275 K/ year</td> <td style="text-align: center;">USD 40 K/ year</td> </tr> </tbody> </table> | | | Membership Activity | Core | Associate | Open to any interested organization | Yes | Yes | Eligible for election to the Board of Directors (Board members pay higher fee) | Yes | No | Eligible to participate in all Foundation Councils (per Bylaws) | Yes | No | Eligible for election to lead any one Foundation Council | Yes | No | Eligible to participate in Requirements Council | Yes | Yes | Eligible to participate in Working Groups | Yes | Yes | Eligible to lead a Working Group | Yes | Yes | Right to commercially distribute Foundation Code | Yes | No | Right to access and modify Foundation Code | Yes | Yes | Eligible to vote in accordance to Bylaws | Yes | Yes | Can send up to 3 participants to Annual Meeting | Yes | Yes | Fee | USD 275 K/ year | USD 40 K/ year |
| Membership Activity | Core | Associate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Open to any interested organization | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eligible for election to the Board of Directors (Board members pay higher fee) | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eligible to participate in all Foundation Councils (per Bylaws) | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eligible for election to lead any one Foundation Council | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eligible to participate in Requirements Council | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eligible to participate in Working Groups | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eligible to lead a Working Group | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Right to commercially distribute Foundation Code | Yes | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Eligible to vote in accordance to Bylaws | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Can send up to 3 participants to Annual Meeting | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fee | USD 275 K/ year | USD 40 K/ year | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|---------------------------|---|
| Cooperative Relationships | <p>NEC, NTT DOCOMO, Orange, Panasonic, Samsung and Vodafone. Access, Aplix, Azingo, Casio-Hitachi, LG Electronics, Myriad, SK Telecom, Telefonica, Verizon and Wind River have joined as Core Members of LiMo Foundation</p> <p>Acrodea, AMD, ARM, Aromasoft, Broadcom, Cellon, Elektrobit, Ericsson, ETRI, Freescale, FueTrek, Huawei, Infineon, Innopath, KTF, Kvaleberg AS, Longcheer, Marvell, McAfee, MontaVista Software, Motorola, Movial, Mozilla Corporation, Open Plug, Opera Software, Packet Video, Red Bend Software, Renesas, Samsung SDS, SFR, SK Innoace, SoftBank, STMicroelectronics, Swisscom, Telecom Italia, Texas Instruments, VirtualLogix and ZTE Corporation are Associate Members</p> |
| IPR policy | <ul style="list-style-type: none"> • Unavailable |
| Contact Point | <ul style="list-style-type: none"> • Office location (city/country) – London/UK • URL and telephone number – URL: http://www.limofoundation.org, TEL: +44 207 559 1336 |

| | | | |
|---------------------------|---|------------------|---------|
| Name of Forum | NXDN Forum | | |
| Active Purpose | Development of specifications in order to implement and ensure the interoperability | Established Date | 2008.07 |
| Object field | <p>The aim of this system is the efficient use of frequencies through digitization, and unlike the analog FM method, interactive communications by the digital method would not be possible without the standardization of specifications. To this end, Kenwood Corporation and Icom Incorporated conducted a joint study on such a new form of digital land mobile radio communication protocol for the business and industry market, and the result of such a study is now called "NXDNTM". NXDNTM will provide high cost-performance and excellent features, and furthermore, analog FM type amplifiers and other equipment can be used in this system. Such features make NXDN the most suitable communication method for the business and industry market.</p> | | |
| Organizational Structure | N/A | | |
| Core Activities | N/A | | |
| 2007 Results | <p>May.19.09 NXDN™ Forum Announces Member Expansion and New Web Site Feb.27.09 Web site OPEN</p> | | |
| Membership and Fees | N/A | | |
| Cooperative Relationships | N/A | | |
| IPR policy | <ul style="list-style-type: none"> • Unavailable | | |
| Contact Point | <ul style="list-style-type: none"> • Office location U.S.A • URL and telephone number http://www.nxdn-forum.com/index.html | | |

Appendix II

Study on home network standardization

(This appendix does not form an integral part of this Recommendation)

II.1 Introduction

This appendix focuses on the study of the standardization activities of home network-related forums/consortia in the world, as well as their relationship.

II.2 Overview

There are forums/consortia of several industries undertaking the research and standardization of the home network-related technologies, such as telecommunication, consumer electronics and IT industries. In addition, the different industries have distinctive understandings of the concept of the home networks, which can be clarified in Table II.1.

Table II.1 – Understandings of home networks

| Industry | Understanding of home network | Application maturity |
|---|--|---|
| IT/consumer electronics | Break "information islands", connect the information devices, communication equipments and consumer electronics devices to implement resource sharing and collaborative working | 1) Not mature yet, mainly tested in a laboratory 2) Less commercial deployment, not accepted by the majority of customers |
| Communication | Home network must connect with telecommunication network, or even be part of end-to-end telecommunication network. Home network can extend the functions and applications of public network to home by residential gateway | 1) Mature industry chain, some services and applications have been accepted by consumers 2) Applications include sharing broadband connection among multiple PCs, triple-play services, parent control, etc. |
| Residential community/Property management | The concept of intelligent community and intelligent home may provide such services as remote automatic metering, community and home security, community medical service, etc. | 1) Mature technology and many products available 2) Deployed in many areas |

Comprehensively considering the understandings of home network of different industries, we can come to a general definition of home network in this appendix:

Home network is a network with multiple devices connected by wired or wireless technology in a limited area (e.g., inside a home or office), and this network is built to meet the customer requirements and provide services and applications to customers. Customer requirements may be communication between devices in limited area, or communication between devices in the area and public network, or communication between devices in the area and between devices and public network.

II.3 Home network-related standardization organizations

Nowadays, home network technology has received extensive attention over the world. Its technology fields cover across industries of communication, consumer electronics, computer software and hardware, and so on. Various industries found various home network related-standardization organizations from their own perspective and interest, and try to promote the applications of their technology and solutions in home network.

Some standardization organizations, such as ITU-T, OMA, Broadband Forum (called DSL Forum before), OSGi, HGI, ETSI and CCSA, focus on the interconnecting of home network and public network. In ITU-T, Study Group 9 entered the area of home network first. Study Group 9 work mainly focuses on cable networks, so the Recommendations related to home network published by ITU-T are concerned with cable networks, including home network architecture based on cable, service based on cable, security of cable system, QoS of cable system, residential gateway supporting data service on cable, cable modem, etc. Broadband Forum aims to develop the full potential of the broadband around the world, and has released several specifications on remote management protocol, technical requirements and parameter models of residential gateway. HGI is engaged in the research of residential gateway to promote the triple-play services.

DLNA, UPnP and IGRS focus on the information sharing inside home. UPnP focuses on connectivity among consumer electronics, intelligent appliances and mobile devices from different vendors. DLNA and IGRS engage in sharing digital multimedia content among all kinds of devices in the home.

Some other organizations, such as MoCA, HomePlug and HomePNA, focus on the home internetworking based on other mediums (e.g. cable, power line, phone line). ITU-T and IEEE also published standards on cable or power line communication for home internetworking. As to wireless connectivity in home, IEEE has published several widely-used standards, including IEEE 802.11 (Wi-Fi), IEEE 802.15.4 (ZigBee) and IEEE 802.15.1 (Bluetooth).

Besides, there are many standardization organizations working on the consumer electronics control and monitoring, including ITOPHOME, KNX, ECHONET, and LonMark International. These organizations have released some standards on home control and monitor. Figure II.1 shows the relationship between different home network-related standardization organizations.

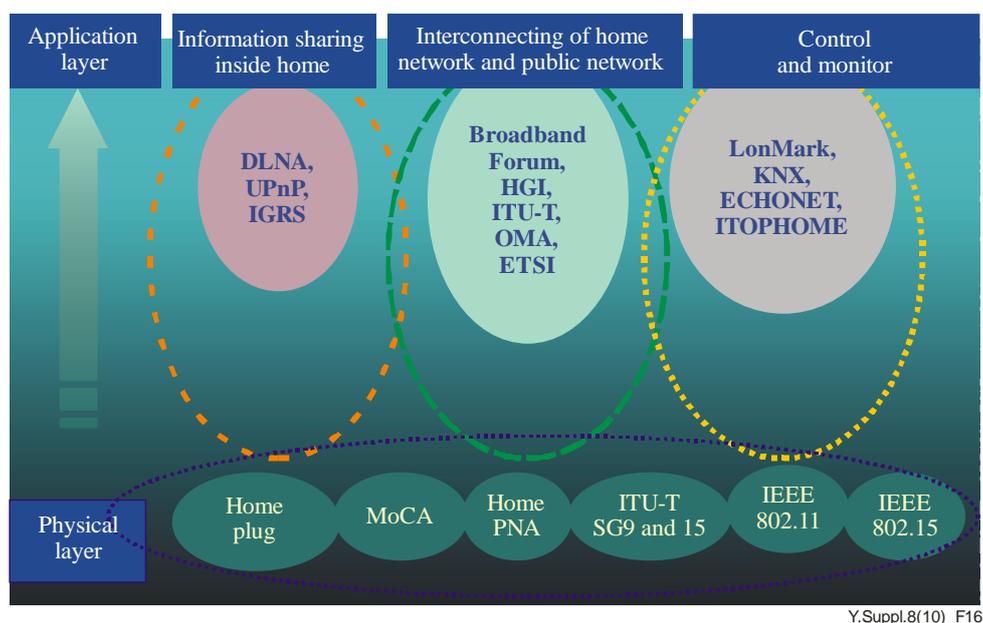


Figure II.1 – Relationship between home network-related standardization organizations

II.3.1 Broadband Forum

II.3.1.1 Introduction

The Broadband Forum, established in 1994, originally as the ADSL Forum and later the DSL Forum, keeps expanding its research areas to deliver broadband benefits to users. In 14 years, the Broadband Forum has moved through defining the core Digital Subscriber Line (DSL) technology to delivering maximum effectiveness in broadband deployment and use.

The Broadband Forum is a worldwide organization consisting of nearly 200 members, about half of which are from America, one third from Europe and the others from Asia, Australia/New Zealand and Middle East/Africa. Every member endeavors to promote the development of broadband techniques and products. They contribute to the work of the Forum by participating in technical and marketing working groups, sharing their knowledge, experience and expertise to create common, agreed protocols, processes and best practice recommendations for use by the industry and for standards and other related industry bodies.

With the worldwide booming of home network technology, the Broadband Forum established a special work group in June 2003, DSLHome, which is dedicated to promoting the deployment of DSL in home network. In 2005, the Forum launched the BroadbandSuite™, which expanded the scope of its work to cover not only transport but network management and digital home support.

Website: <http://www.broadband-forum.org>

II.3.1.2 Objectives and work scope

The Broadband Forum is committed to rapidly creating specifications for communication service providers and vendors that accelerate the development and deployment of broadband networks, foster successful interoperability and manage and deliver advanced IP services to the customer.

The majority of home network-related work in Broadband Forum is carried out by Technical Working Group of BroadbandHome, whose mission is to provide the industry with technical specifications that define the devices in the digital home, and ease the deployment and management of broadband services.

II.3.1.3 Standards

Broadband Forum has conducted effective research on home network and some latest achievements includes:

- TR-064 LAN-Side DSL CPE Configuration Specification
- TR-068 Base Requirements for an ADSL Modem with Routing
- TR-069 Amendment 2 CPE WAN Management Protocol v1.1
- TR-094 Multi-Service Delivery Framework for Home Networks
- TR-098 Amendment 2 Internet Gateway Device Data Model for TR-069
- TR-104 Provisioning Parameters for VoIP CPE
- TR-106 Amendment 2 Data Model Template for TR-069 Enabled Devices
- TR-124 Functional Requirements for Broadband Residential Gateway Devices
- TR-135 Data Model for TR-069 Enabled STB
- TR-157 Component objects for CWMP

Among these documents, TR-069 has been widely adopted by many organizations worldwide, and is considered as the de facto remote management standard. A substantial amount of follow-up work of Broadband Forum related to the home network is based on TR-069.

II.3.2 HGI

II.3.2.1 Introduction

HGI (home gateway initiative) launched in November 2004, now has 67 members, 16 of which are Telcos from Europe and other areas and the others are manufacturers. HGI was formed to boost the market of home communication services to millions of broadband customers served by its founding members. The initiative will drive the development of residential gateways supporting the delivery of services.

Website: <http://www.homegatewayinitiative.org>

II.3.2.2 Objectives and work scope

HGI aims to:

- Produce and downstream requirements for a residential gateway enabling end-to-end delivery of services.
- Work with manufacturers in order to leverage volumes, to validate with manufacturers against uses cases and requirements, to ensure interoperability.
- Take as a basis the work undertaken within existing bodies (such as ITU-T H.610, Broadband Forum, DLNA, OSGi Alliance, etc.) and analyse gaps with respect to its requirements.
- HGI will contribute to appropriate standards bodies and especially to organizations as ITU-T.

II.3.2.3 Standards related to home network

The documents published by HGI are technical specifications, as well as architectural definitions and testing. Because the organization was founded recently, only a few documents are available now; these include:

- HGI Home Gateway Requirements: Residential Profile
- HGI Performance Metrics
- Remote Access Document
- Parent Control in the Home

II.3.3 ITU-T

II.3.3.1 Introduction

In ITU-T, Study Group 9 (SG9) entered the area of home network first. Study Group 9 work mainly focuses on cable networks; so the Recommendations related to home network published by ITU-T are concerned with cable networks, including home network architecture based on cable, service based on cable, security of cable system, QoS of cable system, residential gateway supporting data service on cable, cable modem, etc.

With more and more people interested in the research of home network all over the world, initiated and organized by Study Group 9, a workshop on Home Networking and Home Services was held in Tokyo, Japan, June 2004. With the agreement of the TSAG meeting 14-18 March 2005, a Joint Coordination Activity on Home Networking (JCA-HN) was established. In October 2005, a workshop on "Opportunities and Challenges in Home Networking" was held in Geneva. After the workshop, the scope of the JCA-HN was decided, and the name "Home Network Initiative" will be used to describe work in this field spanning ITU-T Study Groups. JCA-HN identifies and coordinates activity on Home Networking across all the relevant ITU-T SGs, including SG5, SG9, SG12, SG13, SG15, SG16, SG17.

II.3.3.2 Objectives and work scope

ITU-T is a standardization organization on telecommunications, so ITU-T mainly studies interworking between public telecommunication network and home networks. ITU-T considers the home network as the last part of the end-to-end telecommunication network, and how to define, design and specify this part of the network to provide various services are the main purposes of ITU-T's work on home networks. The scope of Study Groups related to home network are listed below:

- SG5: Responsible for studies related to electromagnetic compatibility (EMC), to safety and to health effects connected with electromagnetic fields released by telecommunication installations and devices, including cellular phones. In addition, it is responsible for studies on the existing copper network outside plant and related indoor installations.

- SG9: Responsible for studies related to use of cable and hybrid networks, primarily designed for television and radio programme delivery to the home, as integrated broadband networks to also carry voice or other time-critical services, video on demand, interactive services, etc.
- SG12: Responsible for studies related to performance, quality of service (QoS) and quality of experience (QoE) for the full spectrum of terminals, networks and services ranging from speech over fixed circuit-based networks to multimedia applications over networks that are mobile and packet based. Included in this scope are the operational aspects of performance, QoS and QoE.
- SG13: Responsible for studies related to the requirements, architecture, evolution and convergence of NGN and future networks, including convergence of fixed and mobile networks.
- SG15: Responsible for studies related to optical access network infrastructures, systems, equipment, optical fibres and cables, and their related installation, maintenance, test, instrumentation and measurement techniques. This encompasses the development of related standards for customer premises, access, metropolitan and long haul sections of communication networks. Study Group 15 is in charge of DSL standardization. It also works on optical access and backbone technologies, and also plays a leading role in the development of standards for passive optical networks (PON).
- SG16: Responsible for studies related to multimedia (MM) terminals, systems and applications. It is also the lead study group for ubiquitous applications ("e-everything", such as e-health and e-business).
- SG17: Responsible for studies related to telecommunication security, and it continues to intensify to meet today's challenges for more secure network infrastructure, services and applications.

II.3.3.3 Standards related to home network

Some standards developed by ITU-T related to home networking include:

- G.9960 (G.hn) Next generation Home Networking transceivers
- G.9970 (G.hnta) Generic home network transport architecture
- H.622 A generic home network architecture with support for multimedia services
- H.622.1 Architecture and functional requirements for home networks supporting IPTV services
- J.126 Embedded Cable Modem Device Specification
- J.190 Architecture of MediaHomeNet that supports cable-based services
- J.191 IP feature package to enhance cable modems
- J.192 A Residential Gateway to support the delivery of cable data services
- J.193 Requirements for the next generation of set-top boxes

II.3.4 OMA

II.3.4.1 Introduction

OMA (Open Mobile Alliance) was formed in June 2002 by nearly 200 companies including the world's leading mobile operators, device and network suppliers, information technology companies and content and service providers. OMA has pioneered significant consolidation of mobile service enabler organizations with the integration of the WAP Forum, Location Interoperability Forum (LIF), SyncML Initiative, MMS-IOP (Multimedia Messaging Interoperability Process), Wireless Village, Mobile Gaming Interoperability Forum (MGIF), and the Mobile Wireless Internet Forum (MWIF) into OMA. This consolidation promotes end-to-end interoperability across different

devices, geographies, service providers, operators, and networks, and further supports OMA's market and user requirements focus to guide the specification work. Now OMA has a total of 281 members.

Website: <http://www.openmobilealliance.org>

II.3.4.2 Objectives and work scope

The purpose of the Open Mobile Alliance is to grow the market for the entire mobile industry by removing barriers to interoperability, supporting a seamless and easy to use mobile experience for users and a market environment that encourages competition through innovation and differentiation. The goals of OMA are to:

- Deliver high quality, open technical specifications based upon market requirements that drive modularity, extensibility, and consistency amongst enablers to reduce industry implementation efforts.
- Ensure OMA service enabler specifications to provide interoperability across different devices, geographies, service providers, operators, and networks; facilitate interoperability of the resulting product implementations.
- Be the catalyst for the consolidation of standards activity within the mobile data service industry; work in conjunction with other existing standards organizations and industry forums/consortia to improve interoperability and decrease operational costs for all involved.
- Provide value and benefits to members in OMA from all parts of the value chain including content and service providers, information technology providers, mobile operators and wireless vendors such that they elect to actively participate in the organization.

II.3.4.3 Standards related to home network

OMA has released tens of specifications focusing on the mobile service, and DRM (Digital Rights Management) is the most influential work by OMA. Among these documents, some are also related to home network:

- OMA Digital Rights Management v2.1:
- OMA Device Management v1.2.1.

II.3.5 OSGi

II.3.5.1 Introduction

The OSGi (Open Service Gateway Initiative) Alliance, founded in March 1999, is a worldwide consortium of technology innovators that advances a proven and mature process to assure interoperability of applications and services based on its component integration platform. The OSGi Service Platform is delivered in diverse markets including enterprise, mobile, home, telematics and consumer.

OSGi was initiated by some residential gateway manufacturers, and today there are 93 members in the Alliance, including leading service and content providers, infrastructure/network operators, utilities, software developers, gateway suppliers, consumer electronics/device suppliers (wired and wireless) and research institutions.

Website: <http://www.osgi.org>

II.3.5.2 Objectives and work scope

OSGi's mission is to create a market for universal middleware. The OSGi Alliance, therefore, promotes widespread adoption of the OSGi Service Platform to assure interoperability of applications and services delivered and managed via networks. To realize this mission, the alliance provides specifications, reference implementations, test suites and certification to foster a valuable cross-industry ecosystem. Member companies collaborate within an egalitarian, equitable and

transparent environment and promote adoption of OSGi technology through business benefits, user experiences and forums.

OSGi specifications combine the broadband network technology and LAN control standards to build an open service platform, so the vendors are relieved from the work of service development, deployment and operation. The relationship between OSGi specification and others is illustrated in Figure II.2.

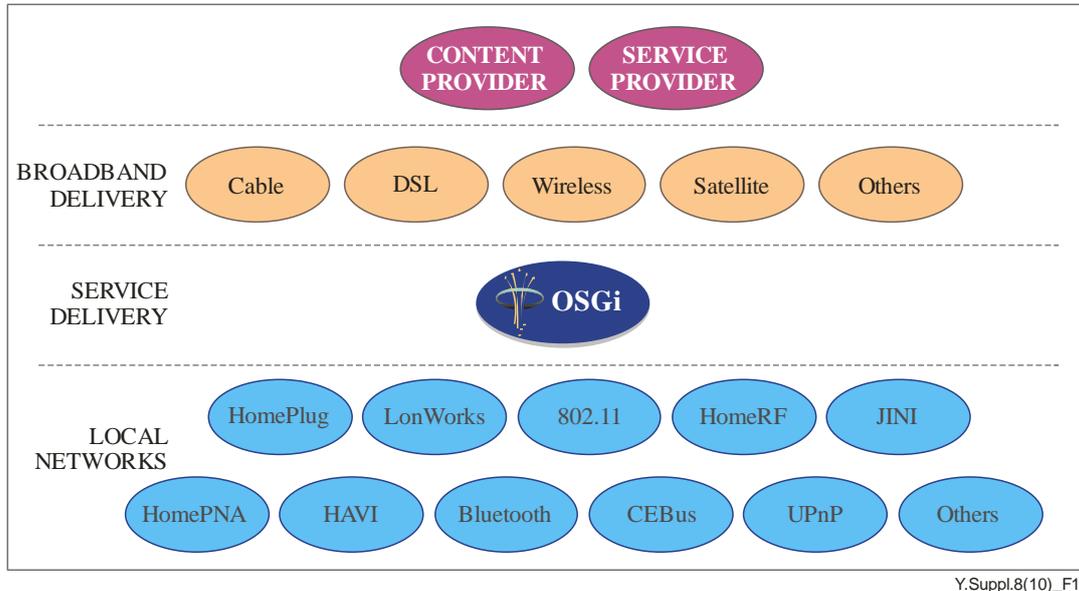


Figure II.2 – Relationship between OSGi specification and others

II.3.5.3 Standards related to home network

OSGi Alliance released OSGi Service Platform version 4.1 in May 2007. The core component of the OSGi Specifications is the OSGi Framework. The Framework provides a standardized environment to applications (called bundles). On top of the Framework, the OSGi Alliance has specified many services.

II.3.6 ETSI

II.3.6.1 Introduction

The European Telecommunications Standards Institute (ETSI) produces globally-applicable standards for Information and Communication Technologies (ICTs), including fixed, mobile, radio, converged, broadcast and Internet technologies. ETSI is a standard organization with almost more than 700 members from 60 countries worldwide. ETSI members come from manufacturers, network operators, national administrations, service providers, research bodies, user groups and consultancies, etc.

ETSI is composed of a General Assembly, a Board, several Technical Bodies (TBs) and a Secretariat. Some TBs are engaged in the standardization work related to home network, including Technical Committee (TC) Access, Terminals, Transmission and Multiplexing (ATTM), TC Powerline Telecommunications (PLT), TC Telecommunications and Internet converged Services and Protocols for Advanced Networks (TISPAN), etc.

Website: <http://www.etsi.org>

II.3.6.2 Objectives and work scope

TC ATTM is responsible for the standards for fixed line access, include narrow-band (Integrated Services Digital Network, ISDN, and Public Switched Telephone Network, PSTN) and Broadband over Cable. TC ATTM also develops the standards for Digital Subscriber Line (DSL) filters.

TC PLT deals with standards for broadband access over power lines.

TC TISPAN is responsible for the numbering and addressing aspects of gaining access to telecommunication networks. In TISPAN, WG5 (Home Network) is actively defining the service requirements and capabilities for customer's home networks to be connected to the NGN. This includes the definition of the Customer Network Gateway Architecture and reference points, and Customer Devices architecture and Reference Points.

II.3.6.3 Standards related to home network

The following is a list of published standards by ETSI related to the home network.

- TS 101 952-2: Access network xDSL transmission filters; Part 2: VDSL splitters for European deployment
- TS 102 220: Delivery of cable-based services across a home access to the devices in the home
- TS 185 003: Customer Network Gateway Architecture and Reference Points
- TS 185 005: Services requirements and capabilities for customer networks connected to TISPAN NGN
- TS 185 006: Customer Devices architecture and Reference Points
- TS 185 009: Architecture and reference points of a customer network device for IMS based IPTV services
- ES 201 912: Short Message Service (SMS) for PSTN/ISDN; Short Message Communication between a fixed network Short Message Terminal Equipment and a Short Message Service Centre
- TR 102 049: Quality of Service (QoS) requirements for in-house systems
- TR 102 494: Technical requirements for In-House PLC modems.

II.3.7 UPnP

II.3.7.1 Introduction

The UPnP Forum was formed in 1999. It is an industry initiative designed to enable simple and robust connectivity among consumer electronics, intelligent appliances and mobile devices from many different vendors.

The Forum consists of more than 877 vendors, including:

- Computing, printing and networking
- Consumer electronics
- Home appliances, automation, control and security
- Mobile products

Website: <http://www.upnp.org>

II.3.7.2 Objectives and work scope

The Forum's goals are to allow devices to connect seamlessly and to simplify network implementation in the home and corporate environments. Toward this end, UPnP Forum defines and publishes UPnP device control protocols (DCP) built upon open, Internet-based communication standards.

II.3.7.3 Standards related to home network

UPnP published the following UDA and DCPs. ISO/IEC accepted these standards.

- UPnP Device Architecture

UPnP Device Architectures (UDA) is DCP Framework. UDA defines the protocols for communication between controllers, or control points, and devices. UDA current version is v1.1. The UDA v1.1 is a fully-interoperable update to UDA v1.0 that adds some significant extensions including support for the full range of XML Schema data types and multicast event notifications, improves the robustness of the Simple Service Discovery Protocol (SSDP), and adds compliance with RFC 3927 (the IETF standard for AutoIP), SOAP 1.1, and the WS-I Basic Profile. It also significantly clarifies use of HTTP 1.1 and the operation of multi-homed devices, and incorporates IPv6 support directly into the UPnP Device Architecture.

- DCP

Current available DCPs include:

- Audio/Video
- Basic
- Home Automation
- Networking
- Printer
- Remoting
- Scanner
- Device Security
- Low Power
- Quality of Service

II.3.8 DLNA

II.3.8.1 Introduction

Digital Living Network Alliance (DLNA) was established in 2003. Today, more than 245 companies comprise DLNA. They include consumer electronics, computer and mobile device manufacturers. DLNA also includes many component and software developers.

Members of the Digital Living Network Alliance (DLNA) share a vision of a wired and wireless interoperable network of Personal Computers (PCs), Consumer Electronics (CE) and mobile devices in the home enabling a seamless environment for sharing and growing new digital media and content services.

Website: <http://www.dlna.org>

II.3.8.2 Objectives and work scope

DLNA focuses on delivering an interoperability framework of design guidelines based on open industry standards to complete the cross-industry digital convergence.

II.3.8.3 Standards related to home network

DLNA published its first set of Interoperability Guidelines in June 2004.

The latest version of the DLNA Interoperability Guidelines, version 1.5, was published in March 2006, and then expanded in October 2006. These guidelines enlarge the capabilities of a DLNA-defined network to include more home and mobile devices. They also include the

specifications for link protection to allow secure transmission of copyright-protected commercial digital content.

II.3.9 MoCA

II.3.9.1 Introduction

Established in January 2004, Multimedia over Coax Alliance (MoCA) is an open, industry driven standard body promoting distribution of digital video and entertainment through existing coaxial cable in the home. Today, more than 60 companies comprise MoCA, spanning the globe and representing all channels of digital entertainment distribution, from service provider to OEM to retail.

Website: <http://www.mocalliance.org>

II.3.9.2 Objectives and work scope

MoCA addresses OSI physical and MAC Layers. The purpose of MoCA is promoting networking of multiple streams of high definition video and entertainment using existing coaxial cable already in the home.

II.3.9.3 Standards related to home network

The MoCA 1.0 MAC/PHY specification was ratified in 2006. MoCA 1.1 extension was ratified in 2007 and offers additional benefits. These include parameterized quality of service (PQoS) for provisioning and bandwidth management of real-time data requests for video applications. MoCA 1.1 with packet aggregation also increases the net throughput performance from 110 to 175 Mbit/s. This new extension also increases the network from the current eight nodes to 16 nodes.

II.3.10 HomePlug

II.3.10.1 Introduction

The HomePlug Powerline Alliance (HomePlug) was founded in March of 2000. The goal of the Alliance is to create a way that power outlets and electrical wires could be used to connect the devices to each other and to the Internet. Today, more than 71 companies comprise HomePlug.

Website: <http://www.homeplug.org>

II.3.10.2 Objectives and work scope

The mission of Alliance is to enable and promote rapid availability, adoption and implementation of cost effective, interoperable and standards-based home powerline networks and products. The Alliance achieved this by evaluating technologies and creating a specification.

II.3.10.3 Standards related to home network

The HomePlug powerline alliance has defined the following specifications:

- HomePlug 1.0 – Released June 2001 – Specification for connecting devices via power lines in the home. Theoretical speed of 14 Mbit/s.
- HomePlug AV – Released December 2005 – Designed for transmitting HDTV and VoIP around the home. Theoretical PHY data rate of up to 189 Mbit/s.
- HomePlug Access BPL (BPL) – under development – A working group to develop a specification for to-the-home connection.
- HomePlug Command and Control (HPCC) – Released October 9, 2007 – It is a low-speed, very low-cost technology intended to complement the alliance's higher-speed powerline communications technologies. The specification enables advanced, whole-house control of lighting, appliances, climate control, security and other devices.

II.3.11 HomePNA

II.3.11.1 Introduction

The HomePNA Alliance is an association of leading technology companies working together to develop universal home networking solutions based on internationally recognized, open and interoperable standards that allow worldwide distribution of triple-play services, such as IPTV, voice and Internet data by leveraging existing telephone wires and coax cable. HomePNA enables service providers to meet the growing consumer demand for an affordable, high-speed, painless and easy-to-use home multimedia network.

HomePNA creates industry specifications which it then standardizes under the International Telecommunication Union (ITU). HomePNA also promotes the technology, tests, and certifies member products as HomePNA compliant.

HomePNA members represent leading technology companies worldwide in the following industries: Semiconductor, Consumer Electronics, Networking, Service Provider, Cable TV, Software and Telecommunications. Now HomePNA has 7 promoters, 5 participants and 26 adopters.

Website: <http://www.homepna.org>

II.3.11.2 Objectives and work scope

HomePNA's goals are to:

- Take the feature-rich, in-home multimedia experience mainstream through a simple and affordable home network solution based on existing home wiring.
- Provide an inherently scalable network that can carry VoIP and Internet data while maintaining video (IPTV) quality of experience throughout the home.
- Provide the capacity and performance to enable carrier-grade delivery of multiple standard and high-definition video (IPTV) and data (voice and Internet) streams, while also enabling video broadcast from local sources such as personal video recorders.
- Create a seamless, reliable home network that requires no consumer configuration or maintenance and provides service providers with remote management capabilities.
- Achieve industry standardization and interoperability.
- Coexist with all available and emerging home Internet access solutions.

II.3.11.3 Standards related to home network

Different versions of HomePNA were approved by the ITU-T as Recommendations:

- Recommendation ITU-T G.9951: Phoneline networking transceivers – Foundation (HomePNA 2.0)
- Recommendation ITU-T G.9952: Phoneline networking transceivers – Payload format and link layer requirements (HomePNA 2.0)
- Recommendation ITU-T G.9953: Phoneline networking transceivers – Isolation function (HomePNA 2.0)
- Recommendation ITU-T G.9954: Phoneline networking transceivers – Enhanced physical, media access, and link layer specifications (HomePNA 3.0 and 3.1)

II.3.12 IEEE

The Institute of Electrical and Electronics Engineers (IEEE) is an international non-profit, professional organization for the advancement of technology related to electricity. It has the most members of any technical professional organization in the world, with more than 365'000 members in around 150 countries.

In addition to the famous standards of wire line connection technology, such as IEEE 802.3 LAN and IEEE P1901 (Broadband over Power Line Networks), a number of widely-used standards on wireless connectivity are published by IEEE:

- IEEE 802.11 Series: Wireless LAN
- IEEE 802.15.1 Bluetooth v1.2
- IEEE 802.15.4 ZigBee

Wi-Fi Alliance and ZigBee Alliance are also active in the related standardization works of IEEE.

II.3.13 KNX Association

II.3.13.1 Introduction

In May 1999, members of the following associations founded KNX Association:

- EIBA (European Installation Bus Association)
- EHSA (European Home Systems Association)
- BCI (BatiBUS Club International)

KNX Association is the creator and owner of the KNX technology, that is, the standard for applications in home and building control, ranging from lighting and shutter control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, metering as well as household appliances, audio and lots more.

KNX members are manufacturers developing devices for several applications for home and building control based on KNX. Next to manufacturers, service providers (utilities, telecom, etc.) can also become members of the KNX Association. KNX now has 152 members/manufacturers including: ABB, Siemens, Jung, etc.

Website: <http://www.knx.org>

II.3.13.2 Objectives and work scope

The objectives of KNX Association are oriented towards the development and promotion of an international communication standard for Home and Building Electronic Systems.

II.3.13.3 Standards related to home network

KNX is approved as:

- International Standard (ISO/IEC14543-3)
- European Standard (CENELEC EN 50090 and CEN EN 13321-1 and 13321-2)
- Chinese Standard (GB/Z 20965)
- ANSI/ASHRAE Standard (ANSI/ASHRAE 135)

II.3 14 LonMark International

II.3.14.1 Introduction

LonWorks is a networking platform specifically created to address the unique performance, reliability, installation, and maintenance needs of control applications. In order to maintain the interoperability of LonWorks, 36 enterprises established an international, unincorporated organization in 1994, named the LonMark Interoperability Association. In 2003, the association restructured to a California-registered, non-profit successor, LonMark International, to embrace the changing needs of its members and compete more effectively in the global marketplace.

Members of LonMark International include the world's leading manufacturers, integrators and users of control systems in a variety of industries, including building automation, security, lighting, elevators/lifts, mass transit, semiconductor-manufacturing equipment, home/consumer appliances,

sun blinds, energy metering, construction, commercial real estate, and industrial automation. Now LonMark International and its Affiliate Organizations have over 500 members worldwide.

Website: <http://www.lonmark.org>

II.3.14.2 Objectives and work scope

LonMark International's mission is to enable the easy integration of multi-vendor systems based on LonWorks networks. Today thousands of companies are using LonWorks control networks to provide systems and solutions for building, home, industrial, telecommunications, transportation, and other industries. There are millions of LonWorks technology-based devices installed worldwide. LonMark provides an open forum for member companies to work together on marketing and technical programs to promote the availability of open, interoperable control devices.

II.3.14.3 Standards related to home network

In 1999 the communications protocol (then known as LonTalk) was submitted to ANSI and accepted as a standard for control networking (ANSI/CEA-709.1-B).

Since then, ANSI/CEA-709.1 has been accepted as the basis for IEEE 1473-L (in-train controls) in 2005 as EN 14908 (European building automation standard).

China ratified the technology as a national controls standard, GB/Z 20177.1-2006 and as a building and intelligent community standard, GB/T 20299.4-2006; and in 2007 CECED, the European Committee of Domestic Equipment Manufacturers, adopted the protocol as part of its Household Appliances Control and Monitoring – Application Interworking Specification (AIS) standards.

During 2008, LonWorks was approved to the highest level of international standards recognition. ISO and IEC have granted the communications protocol, twisted pair signalling technology, power line signalling technology, and Internet Protocol (IP) compatibility standard numbers ISO/IEC 14908-1, -2, -3, and -4.

II.3.15 ECHONET

II.3.15.1 Introduction

ECHONET is an abbreviation of Energy Conservation and Homecare NETWORK. ECHONET is designed to control home appliances directly and will connect to home electronics devices through a gateway. This design will enable industry participants to develop a variety of systems having different communication speeds and levels of technological sophistication while maintaining optimum cost performance.

There are 4 categories of membership in ECHONET, namely A, A', B and B'. The annual fee, rights and obligations of each category are different. Almost all the 71 members of ECHONET come from Japan, including 6 members of A category, 18 of A', 33 of B and 14 of B'.

Website: <http://www.echonet.gr.jp>

II.3.15.2 Objectives and work scope

The mission of the ECHONET Consortium is to develop a standard, general-purpose system that:

- 1) requires no special rewiring and so can be applied to existing homes;
- 2) can easily control a wide range of devices.

II.3.15.3 Standards related to home network

ECHONET Specifications:

- ECHONET Specification Ver3.20 (English)
- Addition/Change of ECHONET Device Object/Service Object
- Issuance of Manufacturer code

II.3.16 CCSA

II.3.16.1 Introduction

China Communications Standards Association (CCSA) is a non-profit organization established by enterprises and institutes in China to carry out standardization activities in the field of Information and Communication Technologies (ICTs) across China. CCSA is organized with the approval of MIIT and registration in the Ministry of Civil Affairs.

CCSA has now a total of 163 members (136 full memberships, 6 affiliate memberships and 27 observers), coming from R&D institutes, design institutes, manufacturers, operators, universities and other societies.

Since 2004, several technical committees proposed research topics or standard projects related to home networking. For the purpose of carrying out research on key technologies and developing standards of home networking in order to avoid overlap of research, and to improve research efficiency, CCSA decided to found a Special Task Group (ST) of Home Network in 2005.

Website: <http://www.ccsa.org.cn>

II.3.16.2 Objectives and work scope

The Special Task Group of Home Network is responsible for making short-term arrangements for standardization of home network, drafting and examination of domestic industry standards, carrying out corresponding research to International Standardization Organizations and participating in their standardization activities. At present, the work group is formulating general requirements and service requirements for Home Network, and studying on cross-TC topics such as QoS, remote management in CCSA. Meanwhile, other projects related to home network but not falling into cross-TC topics, such as low-layer networking and transmission technology and EMC, etc., are carried out by each relevant work group, respectively.

The work scope of ST of Home network is to develop standards on delivering multiple services provided by carriers at home, and the ST has planned a series of standards on home network based on public telecommunication network.

II.3.16.3 Standards related to home network

The CCSA standards development related to home network has been defined in three phases:

Phase 1: delivering multiple services provided by carriers at home

Phase 2: integrated services including telecommunication services and media share at home

Phase 3: integrated services including telecommunication services and electronics control

Completed standards include:

- General technical requirements for broadband customer network based on telecommunication network
- Service usage scenario of broadband customer network based on telecommunication network
- Equipment technical requirements for broadband customer network based on telecommunication network Part 1: Gateway
- Remote management for broadband customer network based on public telecommunication network Part 1: General requirements
- Remote management for broadband customer network based on public telecommunication network Part 2: Protocol
- QoS technical requirements for broadband customer network based on telecommunication network

- Security technical requirements for broadband customer network based on telecommunication network
- Equipment test method for broadband customer network based on telecommunication network Part 1: Gateway

Standards under development include:

- Remote Management for broadband customer network based on telecommunication network Part 3: Gateway Data Model
- Remote Management for broadband customer network based on telecommunication network – Protocol interoperability

II.3.17 IGRS

II.3.17.1 Introduction

IGRS standard was formally established in July 2003 – originally founded by five companies, Lenovo, TCL, Konka, Hisense and Great Wall. Today, more than 117 companies comprise IGRS. They include IT and consumer electronics manufacturers.

Website: <http://www.igrs.org>

II.3.17.2 Objectives and work scope

The main purpose of IGRS is to develop a standard that allows the Computer, Communication, and Customer electronic (3C) devices to be able to seamlessly work together and to allow consumers to enjoy seamless interconnection of their devices and to provide additional service and applications to their existing devices.

The IGRS is application-level software. When active, it prompts digital devices to identify each others' presence and determine which resources they can share, such as hard disc drive space or applications.

II.3.17.3 Standards related to home network

The IGRS technical framework includes three components:

- IGRS Core Protocol
- IGRS Application Profile
- IGRS Basic Applications

These elements of IGRS define dynamic device discovery, ID, management and message routing, device and service data advertisement and sharing mechanisms, distributed device grouping, and various application-specific profiles. The IGRS core protocol defines IGRS device grouping and the interaction mechanism between client and service. Based on the IGRS core protocol, the IGRS Application Profile defines service description and interaction logic for IGRS applications. Various IGRS applications are standardized and implemented based upon corresponding IGRS Application Profiles to ensure interoperability.

IGRS published IGRS Core Protocol and IGRS Application Profile. ISO/IEC accepted these IGRS standards.

II.3.18 ITOPHOME

II.3.18.1 Introduction

Home Network Standard Industrialization Alliance (ITOPHOME) which initiated by MIIT (the Ministry of Information Industry Technology) and the former Economics and Trade Commission of China. At the end of 2000, it is a non-profit alliance organized voluntarily on the basis of

willingness, equality and cooperation to further the home network system technological research and development, standardization and industrialization.

There are 16 members in ITOPHOME now. The key members include: Haier, SHANGHAI BELLING, SVA, TSINGHUA TONGFANG, Chunlan, DAEWOO, freescale, ZTE, SMG, etc.

Website: <http://www.itophome.org.cn>

II.3.18.2 Objectives and work scope

The purpose of ITOPHOME is to make full use of the market advantages and manufacture advantages of China, to develop and improve home network system technologies of self-owned intellectual property rights, explore the methodology of preparation of home network system technological standards based on research and development with the dominant enterprises in the industry as the main players, formulate a mutually driven mechanism of technology, standard and market, promote prosperity and development of China home network system industry.

II.3.18.3 Standards related to home network

The following industry standards have been released by ITOPHOME:

- Architecture and reference model of Home network
- Home backbone communication Protocol
- Testing regulation of Home backbone network
- Home automation control network Protocol
- Testing regulation of Home automation control network
- Home device description file
- Requirement for home network gateway (on process)

II.4 Analysis by number of participating members

We classify the home network-related standardization organizations into following categories according to the number of members:

- Small size: ≤ 50 members
- Medium size: 51-100 members
- Large size: 101-300 members
- Very large size: > 300 members

For each organization, we count the total members of all categories of membership. Because IEEE, ETSI and ITU-T are organizations with extensive research areas and because we cannot count the members participating in the standardization activities related to home network, we just simply classify them into very large size organizations.

Table II.2 lists the analysis of home network-related standardization organizations according to the number of members. 11% of organizations have no more than 50 members, 28% for 51-100 and more than 300 members each. Besides, 33% of organizations have 101-300 members.

Table II.2 – Analysis according to the number of members

| Scale | List of organizations | Total |
|-----------------|---|---------|
| Small size | HomePNA, ITOPHOME | 2 (11%) |
| Medium size | HGI, OSGi, MoCA, HomePlug, ECHONET | 5 (28%) |
| Large size | Broadband Forum, OMA, DLNA, KNX, CCSA, IGRS | 6 (33%) |
| Very large size | ETSI, UPnP, ITU-T, IEEE, LonMark | 5 (28%) |

II.5 Analysis of the HN-related forums/consortia

Based on the analysis in this clause, we are aware of that a large portion of the HN-related forums/consortia focus on the purpose of de facto and interoperability standardization.

Unlike other telecommunication technologies, the home network is exceptional for crossing some different industries, such as IT, telecommunication and consumer electronics, and each of them has a different understanding on HN, which is likely to result in some technical gaps in the standardization. For example, the forums/consortia of consumer electronics are focusing on TV; cable technologies and telecommunication forums/consortia are focusing on broadband access technologies. In the HN area, those standards are begun with de facto, most of which were initiated by some major manufacturers and operators. Therefore, one of the inevitable consequences is that the products conformed to the different standard systems cannot be interoperable with each other, which may affect the development of the HN industries.

The Broadband Forum takes the lead of the standardization of connectivity between the HN and public network, such as the remote control of the HN-devices, requirements and architectures of the related areas, which have become the de facto standards in this aspect. One example is the remote control specifications in TR-069, which are widely realized in the related manufacturers, and at the same time, are also adopted by the other forums/consortia in their own standardizations. Regarding the interconnectivity of the home devices, Microsoft is the giant since it embedded UPnP into their Windows systems. On the other hand, DLNA is important in the standardization of consumer electronics and HN-related mobile devices, and many manufacturers in this area have taken the homologation tests of the DLNA. Therefore, we can see that, to some extent, the HN-related technologies have been led by the de facto standards, and in order to achieve a better interworking, some of the forums/consortia are also working on the interoperability/implementation standards, such as DLNA and UPnP. However, for the purpose nowadays, we find that those interoperability/implementation standardizations are not comprehensive.

Because of the rapid development of the HN-related technologies, standardization work is progressing fast. However, there are still some issues which need further study or perfection, such as the gap analysis of the inside home networking and public networking (including the automatic configuration and management, neighbour interference and information leakage in the wireless environment, and so on), as well as the innovation of the HN-related technologies and services.

Based on the above facts and in order to avoid the isolation of the different forums/consortia, there is a need to harmonize the related standards which can make the products more implementable and interoperable. Therefore, as HN technologies and different de facto standard systems evolve, this Supplement proposes that the Standards Organizations can undertake the responsibilities of harmonization of the different de facto standards, while taking into consideration the standard progress.

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